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# REGIONE TOSCANA DIREZIONE DIFESA DEL SUOLO E PROTEZIONE CIVILE

**PROGETTAZIONE ESECUTIVA E COORDINAMENTO SICUREZZA IN  
FASE DI PROGETTAZIONE PER IL "RIPRISTINO FUNZIONALE DEL  
MURO D'ARGINE SUL FIUME ARNO A VALLE DEL TORRINO SANTA  
ROSA IN FIRENZE".**

**CIG: A025B3483B - CUP: D18H23001960002**

REGIONE TOSCANA  
DIREZIONE DIFESA DEL SUOLO E  
PROTEZIONE CIVILE

Sede Legale: Via San Gallo nc 34/A - 50129 Firenze

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Cod. Fiscale: NCH SFN 86P09 D612A

RELAZIONE STRUTTURE

N. REVISIONE	DESCRIZIONE	DATA	DIS.
1	RELAZIONE STRUTTURE	Dicembre 2023	
RIF.			

ELABORATO

R.03

SCALA

Progetto: TORRINO SANTA ROSA  
Ditta:  
Comune: FIRENZE  
Progettista: ING STEFANO ANICHINI  
Direttore dei Lavori: ING STEFANO ANICHINI  
Impresa:

## Normative di riferimento

- Legge nr. 1086 del 05/11/1971.  
Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica.
- Legge nr. 64 del 02/02/1974.  
Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.
- D.M. LL.PP. del 11/03/1988.  
Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.
- D.M. LL.PP. del 14/02/1992.  
Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.
- D.M. 9 Gennaio 1996  
Norme Tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato normale e precompresso e per le strutture metalliche
- D.M. 16 Gennaio 1996  
Norme Tecniche relative ai 'Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi'
- D.M. 16 Gennaio 1996  
Norme Tecniche per le costruzioni in zone sismiche
- Circolare Ministero LL.PP. 15 Ottobre 1996 N. 252 AA.GG./S.T.C.  
Istruzioni per l'applicazione delle Norme Tecniche di cui al D.M. 9 Gennaio 1996
- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.  
Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 16 Gennaio 1996
- Norme Tecniche per le Costruzioni 2018 (D.M. 17 Gennaio 2018)
- Circolare C.S.LL.PP. 21/01/2019 n.7 - Istruzioni per l'applicazione dell'Aggiornamento delle Norme tecniche per le costruzioni di cui al D.M. 17 gennaio 2018

## Richiami teorici

Il calcolo dei muri di sostegno viene eseguito secondo le seguenti fasi:

- Calcolo della spinta del terreno
- Verifica a ribaltamento
- Verifica a scorrimento del muro sul piano di posa
- Verifica della stabilità complesso fondazione terreno (carico limite)
- Verifica della stabilità globale

Se il muro è in calcestruzzo armato: Calcolo delle sollecitazioni sia del muro che della fondazione, progetto delle armature e relative verifiche dei materiali.

Se il muro è a gravità: Calcolo delle sollecitazioni sia del muro che della fondazione e verifica in diverse sezioni al ribaltamento, allo scorrimento ed allo schiacciamento.

## Calcolo della spinta sul muro

### Valori caratteristici e valori di calcolo

Effettuando il calcolo tramite gli Eurocodici è necessario fare la distinzione fra i parametri caratteristici ed i valori di calcolo (o di progetto) sia delle azioni che delle resistenze.

I valori di calcolo si ottengono dai valori caratteristici mediante l'applicazione di opportuni coefficienti di sicurezza parziali  $\gamma$ . In particolare si distinguono combinazioni di carico di tipo **A1-M1** nelle quali vengono incrementati i carichi e lasciati inalterati i parametri di resistenza del terreno e combinazioni di carico di tipo **A2-M2** nelle quali vengono ridotti i parametri di resistenza del terreno e incrementati i soli carichi variabili.

### Metodo di Culmann

Il metodo di Culmann adotta le stesse ipotesi di base del metodo di Coulomb. La differenza sostanziale è che mentre Coulomb considera un terrapieno con superficie a pendenza costante e carico uniformemente distribuito (il che permette di ottenere una espressione in forma chiusa per il coefficiente di spinta) il metodo di Culmann consente di analizzare situazioni con profilo di forma generica e carichi sia concentrati che distribuiti comunque disposti. Inoltre, rispetto al metodo di Coulomb, risulta più immediato e lineare tener conto della coesione del masso spingente. Il metodo di Culmann, nato come metodo essenzialmente grafico, si è evoluto per essere trattato mediante analisi numerica (noto in questa forma come metodo del cuneo di tentativo). Come il metodo di Coulomb anche questo metodo considera una superficie di rottura rettilinea.

I passi del procedimento risolutivo sono i seguenti:

- si impone una superficie di rottura (angolo di inclinazione  $\rho$  rispetto all'orizzontale) e si considera il cuneo di spinta delimitato dalla superficie di rottura stessa, dalla parete su cui si calcola la spinta e dal profilo del terreno;
- si valutano tutte le forze agenti sul cuneo di spinta e cioè peso proprio ( $W$ ), carichi sul terrapieno, resistenza per attrito e per coesione lungo la superficie di rottura ( $R$  e  $C$ ) e resistenza per coesione lungo la parete ( $A$ );
- dalle equazioni di equilibrio si ricava il valore della spinta  $S$  sulla parete.

Questo processo viene iterato fino a trovare l'angolo di rottura per cui la spinta risulta massima.

La convergenza non si raggiunge se il terrapieno risulta inclinato di un angolo maggiore dell'angolo d'attrito del terreno.

Nei casi in cui è applicabile il metodo di Coulomb (profilo a monte rettilineo e carico uniformemente distribuito) i risultati ottenuti col metodo di Culmann coincidono con quelli del metodo di Coulomb.

Le pressioni sulla parete di spinta si ricavano derivando l'espressione della spinta  $S$  rispetto all'ordinata  $z$ . Noto il diagramma delle pressioni è possibile ricavare il punto di applicazione della spinta.

### Spinta in presenza di falda

Nel caso in cui a monte della parete sia presente la falda il diagramma delle pressioni risulta modificato a causa della sottospinta che l'acqua esercita sul terreno. Il peso di volume del terreno al di sopra della linea di falda non subisce variazioni. Viceversa, al di sotto del livello di falda va considerato il peso di volume efficace

$$\gamma' = \gamma_{\text{sat}} - \gamma_w$$

dove  $\gamma_{\text{sat}}$  è il peso di volume saturo del terreno (dipendente dall'indice dei pori) e  $\gamma_w$  è il peso specifico dell'acqua. Quindi il diagramma delle pressioni al di sotto della linea di falda ha una pendenza minore. Al diagramma così ottenuto va sommato il diagramma triangolare legato alla pressione esercitata dall'acqua.

### Spinta in presenza di sisma

Per tener conto dell'incremento di spinta dovuta al sisma si fa riferimento al metodo di Mononobe-Okabe (cui fa riferimento la Normativa Italiana).

La Normativa Italiana suggerisce di tener conto di un incremento di spinta dovuto al sisma nel modo seguente.

Detta  $\varepsilon$  l'inclinazione del terrapieno rispetto all'orizzontale e  $\beta$  l'inclinazione della parete rispetto alla verticale, si calcola la spinta  $S'$  considerando un'inclinazione del terrapieno e della parte pari a

$$\varepsilon' = \varepsilon + \theta \quad \beta' = \beta + \theta$$

dove  $\theta = \arctg(k_h/(1 \pm k_v))$  essendo  $k_h$  il coefficiente sismico orizzontale e  $k_v$  il coefficiente sismico verticale, definito in funzione di  $k_h$ . In presenza di falda a monte,  $\theta$  assume le seguenti espressioni:

Terreno a bassa permeabilità

$$\theta = \arctan\left(\frac{\gamma_{sat}}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v}\right)$$

Terreno a permeabilità elevata

$$\theta = \arctan\left(\frac{\gamma}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v}\right)$$

Detta  $S$  la spinta calcolata in condizioni statiche l'incremento di spinta da applicare è espresso da

$$\Delta S = AS' - S$$

dove il coefficiente  $A$  vale

$$A = \frac{\cos^2(\beta + \theta)}{\cos^2 \beta \cos \theta}$$

In presenza di falda a monte, nel coefficiente  $A$  si tiene conto dell'influenza dei pesi di volume nel calcolo di  $\theta$ .

Adottando il metodo di Mononobe-Okabe per il calcolo della spinta, il coefficiente  $A$  viene posto pari a 1.

Tale incremento di spinta è applicato a metà altezza della parete di spinta nel caso di forma rettangolare del diagramma di incremento sismico, allo stesso punto di applicazione della spinta statica nel caso in cui la forma del diagramma di incremento sismico è uguale a quella del diagramma statico.

Oltre a questo incremento bisogna tener conto delle forze d'inerzia orizzontali e verticali che si destano per effetto del sisma. Tali forze vengono valutate come

$$F_{IH} = k_h W \quad F_{IV} = \pm k_v W$$

dove  $W$  è il peso del muro, del terreno soprastante la mensola di monte ed i relativi sovraccarichi e va applicata nel baricentro dei pesi.

Il metodo di Culmann tiene conto automaticamente dell'incremento di spinta. Basta inserire nell'equazione risolutiva la forza d'inerzia del cuneo di spinta. La superficie di rottura nel caso di sisma risulta meno inclinata della corrispondente superficie in assenza di sisma.

### Verifica alla stabilità globale

La verifica alla stabilità globale del complesso muro+terreno deve fornire un coefficiente di sicurezza non inferiore a  $\eta_g$ .

Viene usata la tecnica della suddivisione a strisce della superficie di scorrimento da analizzare. La superficie di scorrimento viene supposta circolare e determinata in modo tale da non avere intersezione con il profilo del muro. In presenza di pali, per ogni centro vengono analizzate 3 famiglie di superfici di scorrimento: la prima famiglia di superfici passa per tacco della fondazione, la seconda per il punto centrale della lunghezza dei pali, la terza per il piede dei pali. Si determina il minimo coefficiente di sicurezza su una maglia di centri di dimensioni 10x10 posta in prossimità della sommità del muro. Il numero di strisce è pari a 25.

Si adotta per la verifica di stabilità globale il metodo di Bishop.

Il coefficiente di sicurezza nel metodo di Bishop si esprime secondo la seguente formula:

$$\eta = \frac{\sum_{i=0}^n \left[ \frac{c_i b_i + (W_i - u_i b_i) \tan \varphi_i}{m} \right]}{\sum_{i=0}^n W_i \sin \alpha_i}$$

dove il termine  $m$  è espresso da

$$m = \left( 1 + \frac{\tan \varphi_i \tan \alpha_i}{\eta} \right) \cos \alpha_i$$

In questa espressione  $n$  è il numero delle strisce considerate,  $b_i$  e  $\alpha_i$  sono la larghezza e l'inclinazione della base della striscia  $i$ -esima rispetto all'orizzontale,  $W_i$  è il peso della striscia  $i$ -esima,  $c_i$  e  $\varphi_i$  sono le caratteristiche del terreno (coesione ed angolo di attrito) lungo la base della striscia ed  $u_i$  è la pressione neutra lungo la base della striscia.

L'espressione del coefficiente di sicurezza di Bishop contiene al secondo membro il termine  $m$  che è funzione di  $\eta$ . Quindi essa è risolta per successive approssimazioni assumendo un valore iniziale per  $\eta$  da inserire nell'espressione di  $m$  ed iterare fin quando il valore calcolato coincide con il valore assunto.

### Analisi dei pali

Per l'analisi della capacità portante dei pali occorre determinare alcune caratteristiche del terreno in cui si va ad operare. In particolare bisogna conoscere l'angolo d'attrito  $\phi$  e la coesione  $c$ . Per pali soggetti a carichi trasversali è necessario conoscere il modulo di reazione laterale o il modulo elastico laterale.

La capacità portante di un palo solitamente viene valutata come somma di due contributi: portata di base (o di punta) e portata per attrito laterale lungo il fusto. Cioè si assume valida l'espressione:

$$Q_t = Q_p + Q_l - W_p$$

dove:

$Q_T$       portata totale del palo  
 $Q_P$       portata di base del palo  
 $Q_L$       portata per attrito laterale del palo  
 $W_P$       peso proprio del palo

e le due componenti  $Q_P$  e  $Q_L$  sono calcolate in modo indipendente fra loro.

Dalla capacità portante del palo si ricava il carico ammissibile del palo  $Q_A$  applicando il coefficiente di sicurezza della portata alla punta  $\eta_p$  ed il coefficiente di sicurezza della portata per attrito laterale  $\eta_l$ .

Palo compresso:

$$Q_d = \frac{Q_p}{\eta_p} + \frac{Q_l}{\eta_l} - W_p$$

Palo teso:

$$Q_d = \frac{Q_l}{\eta_l} - W_p$$

#### Capacità portante di punta

In generale la capacità portante di punta viene calcolata tramite l'espressione:

$$Q_p = A_p \left( cN'_c + qN'_q + \frac{1}{2} B\gamma N'_\gamma \right)$$

dove:

$A_p$       è l'area portante efficace della punta del palo  
 $c$       è la coesione  
 $q$       è la pressione geostatica alla quota della punta del palo  
 $\gamma$       è il peso specifico del terreno  
 $D$       è il diametro del palo

$N'_c$ ,  $N'_q$ ,  $N'_\gamma$  sono i coefficienti di capacità portante corretti per tener conto degli effetti di forma e di profondità.

#### Capacità portante per resistenza laterale

La resistenza laterale è data dall'integrale esteso a tutta la superficie laterale del palo delle tensioni tangenziali palo-terreno in condizioni limite:

$$Q_l = \int_S \tau_a dS$$

dove  $\tau_a$  è dato dalla nota relazione di Coulomb

$$\tau_a = c_a + \sigma_h \tan \delta$$

dove:

$c_a$       è l'adesione palo-terreno  
 $\delta$       è l'angolo di attrito palo-terreno  
 $\gamma$       è il peso specifico del terreno  
 $z$       è la generica quota a partire dalla testa del palo  
 $L$       è la lunghezza del palo  
 $P$       è il perimetro del palo

$K_s$       è il coefficiente di spinta che dipende dalle caratteristiche meccaniche e fisiche del terreno dal suo stato di addensamento e dalle modalità di realizzazione del palo.

#### Portanza trasversale dei pali - Analisi ad elementi finiti

Nel modello di terreno alla Winkler il terreno viene schematizzato come una serie di molle elastiche indipendenti fra di loro. Le molle che schematizzano il terreno vengono caratterizzate tramite una costante elastica  $K$  espressa in  $\text{Kg/cm}^2/\text{cm}$  che rappresenta la pressione (in  $\text{Kg/cm}^2$ ) che bisogna applicare per ottenere l'abbassamento di 1 cm.

Nel metodo degli elementi finiti occorre discretizzare il particolare problema. Nel caso specifico il palo viene suddiviso in un certo numero di elementi di eguale lunghezza. Ogni elemento è caratterizzato da una sezione avente area ed inerzia coincidente con quella del palo.

Il terreno viene schematizzato come una serie di molle orizzontali che reagiscono agli spostamenti nei due versi. La rigidezza assiale della singola molla è proporzionale alla costante di Winkler orizzontale del terreno, al diametro del palo ed alla lunghezza dell'elemento. La molla, però, non viene vista come un elemento infinitamente elastico ma come un elemento con comportamento del tipo elastoplastico perfetto (diagramma sforzi-deformazioni di tipo bilatero). Essa presenta una resistenza crescente al crescere degli spostamenti fino a che l'entità degli spostamenti si mantiene al di sotto di un certo spostamento limite,  $X_{\text{max}}$  oppure fino a quando non si raggiunge il valore della pressione limite. Superato tale limite non si ha un incremento di resistenza. E' evidente che assumendo un comportamento di questo tipo ci si addentra in un tipico problema non lineare che può essere risolto solo mediante una analisi al passo. Questa modellazione presenta il notevole vantaggio di poter schematizzare tutti quei comportamenti individuati da Broms e che sarebbe impossibile trattare in un modello numerico. In particolare risulta automatico analizzare casi in cui si ha insufficiente portanza non per rottura del palo ma per rottura del terreno (vedi il caso di un palo molto rigido in un terreno molle).

#### Determinazione degli scarichi sul palo.

Gli scarichi sui pali vengono determinati mediante il metodo delle rigidezze.

La piastra di fondazione viene considerata infinitamente rigida (3 gradi di libertà) ed i pali vengono considerati incastrati o incernierati (la scelta del vincolo viene fatta dall'Utente nella tabella CARATTERISTICHE del sottomenu PALI) a tale piastra.

Viene effettuata una prima analisi di ogni palo di ciascuna fila (i pali di ogni fila hanno le stesse caratteristiche) per costruire una curva carichi-spostamenti del palo. Questa curva viene costruita considerando il palo elastico. Si tratta, in definitiva, della matrice di rigidezza del palo  $K_e$ , costruita imponendo traslazioni e rotazioni unitarie per determinare le corrispondenti sollecitazioni in testa al palo.

Nota la matrice di rigidezza di ogni palo si assembla la matrice globale (di dimensioni  $3 \times 3$ ) della palificata,  $K$ .

A questo punto, note le forze agenti in fondazione ( $N$ ,  $T$ ,  $M$ ) si possono ricavare gli spostamenti della piastra (abbassamento, traslazione e rotazione) e le forze che si scaricano su ciascun palo. Infatti indicando con  $p$  il vettore dei carichi e con  $u$  il vettore degli spostamenti della piastra abbiamo:

$$u = K^{-1}p$$

Noti gli spostamenti della piastra, e quindi della testa dei pali, abbiamo gli scarichi su ciascun palo. Allora per ciascun palo viene effettuata un'analisi elastoplastica incrementale (tramite il metodo degli elementi finiti) che, tenendo conto della plasticizzazione del terreno, calcola le sollecitazioni in tutte le sezioni del palo.

Se, le caratteristiche del terreno (rappresentate da  $K_h$ ) sono tali che se non è possibile raggiungere l'equilibrio si ha collasso per 'rottura' del terreno.

## Dati

### Materiali

#### Simbologia adottata

n°	Indice materiale
Descr	Descrizione del materiale
<b>Calcestruzzo armato</b>	
C	Classe di resistenza del cls
A	Classe di resistenza dell'acciaio
$\gamma$	Peso specifico, espresso in [kg/mc]
R <sub>ck</sub>	Resistenza caratteristica a compressione, espressa in [kg/cm <sup>2</sup> ]
E	Modulo elastico, espresso in [kg/cm <sup>2</sup> ]
$\nu$	Coeff. di Poisson
n	Coeff. di omogenizzazione acciaio/cls
ntc	Coeff. di omogenizzazione cls tesoro/compresso

#### Calcestruzzo armato

n°	Descr	C	A	$\gamma$	R <sub>ck</sub>	E	$\nu$	n	ntc
				[kg/mc]	[kg/cm <sup>2</sup> ]	[kg/cm <sup>2</sup> ]			
1	Cls Armato	Rck 250	B450C	2500.00	250.00	306659	0.30	15.00	0.50

#### Acciai

Descr	f <sub>yk</sub>	f <sub>uk</sub>
	[kg/cm <sup>2</sup> ]	[kg/cm <sup>2</sup> ]
B450C	4588.65	5506.38

### Tipologie pali

#### Simbologia adottata

n°	Indice tipologia palo
Descr	Descrizione tipologia palo
P	Contributo portanza palo (laterale e/o punta)
T	Tecnologia costruttiva (trivellato, infisso o elica continua)
V	Vincolo palo-fondazione: Cerniera o Incastro (libero o impedito di ruotare in testa)
Imat	Indice materiale che lo costituisce
BD	usa metodo di Bustamante-Doix
PN	Portanza nota
Pp, Pl	Portanza di punta e laterale caratteristica, espressa in [kg]

n°	Descr	P	T	V	Imat	BD	PN	Pp	Pl
1	Tipologia palo	Laterale + Punta	Trivellato	Incastro	1	NO	NO	--	--

### Geometria profilo terreno a monte del muro

#### Simbologia adottata

(Sistema di riferimento con origine in testa al muro, ascissa X positiva verso monte, ordinata Y positiva verso l'alto)

n°	numero ordine del punto
X	ascissa del punto espressa in [m]
Y	ordinata del punto espressa in [m]
A	inclinazione del tratto espressa in [°]

n°	X	Y	A
	[m]	[m]	[°]
1	0.00	0.00	0.000
2	0.48	0.00	0.000
3	0.48	-3.31	-90.000
4	10.79	-3.32	-0.056
5	18.26	-8.87	-36.611

Inclinazione terreno a valle del muro rispetto all'orizzontale 0.000 [°]

### Geometria muro

#### Geometria paramento e fondazione

Lunghezza muro 25.00 [m]

#### Paramento

Materiale Cls Armato



Altezza paramento	1.35	[m]
Altezza paramento libero	1.10	[m]
Spessore in sommità	0.25	[m]
Spessore all'attacco con la fondazione	0.25	[m]
Inclinazione paramento esterno	0.00	[°]
Inclinazione paramento interno	0.00	[°]

**Fondazione**

Materiale	Cls Armato	
Lunghezza mensola di valle	0.80	[m]
Lunghezza mensola di monte	0.00	[m]
Lunghezza totale	1.05	[m]
Inclinazione piano di posa	0.00	[°]
Spessore	0.25	[m]
Spessore magrone	0.00	[m]

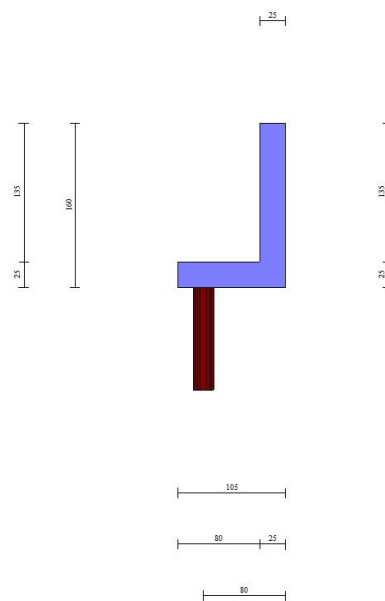


Fig. 1 - Sezione quotata del muro

**Descrizione pali di fondazione****Simbologia adottata**

n°	numero d'ordine della fila
X	ascissa della fila misurata dallo spigolo di monte della fondazione espressa in [m]
I	interasse tra i pali, espressa in [m]
f	franco laterale (distanza minima dal bordo laterale), espressa in [m]
Np	Numero di pali della fila
D	diametro dei pali della fila espresso in [cm]
L	lunghezza dei pali della fila espressa in [m]
α	inclinazione dei pali della fila rispetto alla verticale espressa in [°]
ALL	allineamento dei pali della fila rispetto al baricentro della fondazione (CENTRATI o SFALSATI)

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
1	Tipologia palo	0.80	2.00	0.50	11	20.00	9.00	0.00	Centrati

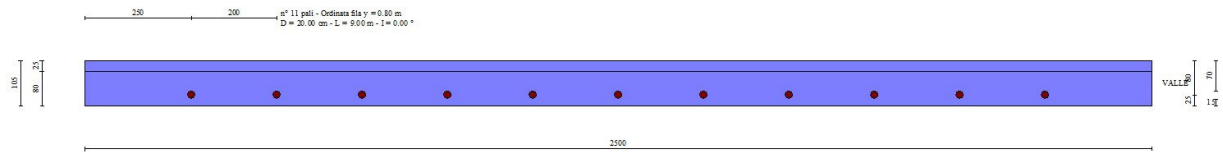


Fig. 2 - Pianta pali

## Descrizione terreni

### Parametri di resistenza

#### Simbologia adottata

n°	Indice del terreno
Descr	Descrizione terreno
$\gamma$	Peso di volume del terreno espresso in [kg/mc]
$\gamma_s$	Peso di volume saturo del terreno espresso in [kg/mc]
$\phi$	Angolo d'attrito interno espresso in [°]
$\delta$	Angolo d'attrito terra-muro espresso in [°]
c	Coesione espressa in [kg/cm <sup>2</sup> ]
ca	Adesione terra-muro espressa in [kg/cm <sup>2</sup> ]
Per calcolo portanza con il metodo di Bustamante-Doix	
Cesp	Coeff. di espansione laterale (solo per il metodo di Bustamante-Doix)
$\tau_l$	Tensione tangenziale limite, espressa in [kg/cm <sup>2</sup> ]

n°	Descr	$\gamma$ [kg/mc]	$\gamma_{sat}$ [kg/mc]	$\phi$ [°]	$\delta$ [°]	c [kg/cm <sup>2</sup> ]	ca [kg/cm <sup>2</sup> ]	Cesp	$\tau_l$ [kg/cm <sup>2</sup> ]	
1	Terreno riporto	1860.00	1890.00	26.000	16.000	1.00	0.00	0.690	0.00	(CAR)
				26.000	16.000	1.00	0.00			(MIN)
				26.000	16.000	1.00	0.00			(MED)
2	GHIAIE SCARSAMENTE ADDENSATE	1890.00	1910.00	30.600	20.400	2.34	1.17	1.450	0.00	(CAR)
				30.600	20.400	2.34	1.17			(MIN)
				30.600	20.400	2.34	1.17			(MED)
3	GHIAIA SABBIOSA LIMOSA	1890.00	1910.00	30.400	20.270	2.31	1.16	1.800	0.00	(CAR)
				30.400	20.270	2.31	1.16			(MIN)
				30.400	20.270	2.31	1.16			(MED)

## Stratigrafia

#### Simbologia adottata

n°	Indice dello strato
H	Spessore dello strato espresso in [m]
$\alpha$	Inclinazione espressa in [°]
Terreno	Terreno dello strato
Kwn, Kwt	Costante di Winkler normale e tangenziale alla superficie espressa in Kg/cm <sup>2</sup> /cm
Per calcolo pali (solo se presenti)	
Kw	Costante di Winkler orizzontale espressa in Kg/cm <sup>2</sup> /cm
Ks	Coefficiente di spinta
Cesp	Coefficiente di espansione laterale (per tutti i metodi tranne il metodo di Bustamante-Doix)

Per calcolo della spinta con coeff. di spinta definiti (usati solo se attiva l'opzione 'Usa coeff. di spinta da strato')

Kststa, Kstsis Coeff. di spinta statico e sismico

n°	H [m]	$\alpha$ [°]	Terreno	Kwn [Kg/cm <sup>2</sup> ]	Kwt [Kg/cm <sup>2</sup> ]	Kw [Kg/cm <sup>2</sup> ]	Ks	Cesp	Kststa	Kstsis
1	10.00	0.000	Terreno riporto	0.000	0.000	20.740	0.000	1.000	---	---
2	1.20	0.000	GHIAIE SCARSAMENTE ADDENSATE	0.127	0.000	0.000	0.000	1.000	---	---
3	5.00	0.000	GHIAIA SABBIOSA LIMOSA	0.065	0.038	30.000	0.000	1.000	---	---

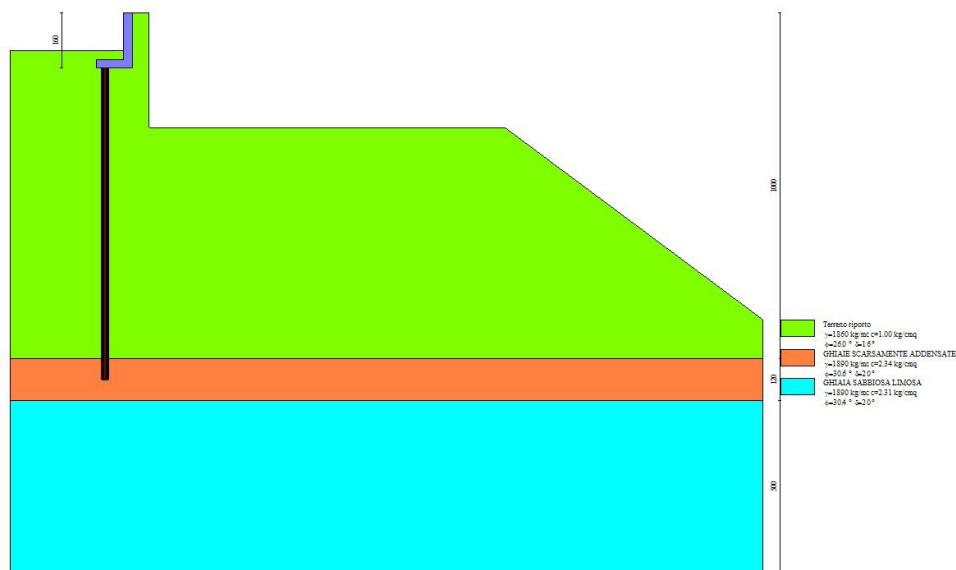


Fig. 3 - Stratigrafia

### Condizioni di carico

#### Simbologia adottata

Carichi verticali positivi verso il basso.

Carichi orizzontali positivi verso sinistra.

Momento positivo senso antiorario.

X	Ascissa del punto di applicazione del carico concentrato espressa in [m]
F <sub>x</sub>	Componente orizzontale del carico concentrato espressa in [kg]
F <sub>y</sub>	Componente verticale del carico concentrato espressa in [kg]
M	Momento espresso in [kgm]
X <sub>i</sub>	Ascissa del punto iniziale del carico ripartito espressa in [m]
X <sub>f</sub>	Ascissa del punto finale del carico ripartito espressa in [m]
Q <sub>i</sub>	Intensità del carico per x=X <sub>i</sub> espressa in [kg]
Q <sub>f</sub>	Intensità del carico per x=X <sub>f</sub> espressa in [kg]

#### Condizione n° 1 (SPINTA PARAPETTO) - VARIABILE

Coeff. di combinazione  $\Psi_0=0.00 - \Psi_1=0.00 - \Psi_2=0.00$

#### Carichi sul muro

n°	Tipo	Dest	X; Y [m]	F <sub>x</sub> [kg]	F <sub>y</sub> [kg]	M [kgm]	X <sub>i</sub> [m]	X <sub>f</sub> [m]	Q <sub>i</sub> [kg]	Q <sub>f</sub> [kg]
1	Distribuito	Paramento					-1.35	0.00	-100.00	-100.00

#### Condizione n° 2 (SPINTA ACQUA) - VARIABILE

Coeff. di combinazione  $\Psi_0=0.60 - \Psi_1=0.20 - \Psi_2=0.00$

Indice di raggruppamento 2

#### Carichi sul muro

n°	Tipo	Dest	X; Y [m]	F <sub>x</sub> [kg]	F <sub>y</sub> [kg]	M [kgm]	X <sub>i</sub> [m]	X <sub>f</sub> [m]	Q <sub>i</sub> [kg]	Q <sub>f</sub> [kg]
1	Distribuito	Paramento					-1.35	0.00	720.00	720.00

#### Condizione n° 3 (Condizione 3) - VARIABILE

Coeff. di combinazione  $\Psi_0=1.00 - \Psi_1=1.00 - \Psi_2=1.00$

#### Condizione n° 4 (Condizione 4) - VARIABILE

Coeff. di combinazione  $\Psi_0=1.00 - \Psi_1=1.00 - \Psi_2=1.00$

#### Condizione n° 5 (Condizione 5) - VARIABILE

Coeff. di combinazione  $\Psi_0=1.00 - \Psi_1=1.00 - \Psi_2=1.00$

#### Condizione n° 6 (Condizione 6) - VARIABILE

Coeff. di combinazione  $\Psi_0=1.00 - \Psi_1=1.00 - \Psi_2=1.00$

## Normativa

Normativa usata: **Norme Tecniche sulle Costruzioni 2018 (D.M. 17.01.2018) + Circolare C.S.LL.PP. 21/01/2019 n.7**

Coeff. parziali per le azioni o per l'effetto delle azioni

Carichi	Effetto		Combinazioni statiche				Combinazioni sismiche		
			UPL	EQU	A1	A2	EQU	A1	A2
Permanenti strutturali	Favorevoli	$\gamma_{G1,fav}$	0.90	1.00	1.00	1.00	1.00	1.00	1.00
Permanenti strutturali	Sfavorevoli	$\gamma_{G1,sfav}$	1.10	1.30	1.30	1.00	1.00	1.00	1.00
Permanenti non strutturali	Favorevoli	$\gamma_{G2,fav}$	0.80	0.80	0.80	0.80	0.00	0.00	0.00
Permanenti non strutturali	Sfavorevoli	$\gamma_{G2,sfav}$	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili	Favorevoli	$\gamma_{Q,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili	Sfavorevoli	$\gamma_{Q,sfav}$	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili da traffico	Favorevoli	$\gamma_{QT,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili da traffico	Sfavorevoli	$\gamma_{QT,sfav}$	1.50	1.35	1.35	1.15	1.00	1.00	1.00

Coeff. parziali per i parametri geotecnici del terreno

Parametro		Combinazioni statiche		Combinazioni sismiche	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	$\gamma_{\tan(\phi)}$	1.00	1.25	1.00	1.00
Coesione efficace	$\gamma_c$	1.00	1.25	1.00	1.00
Resistenza non drenata	$\gamma_{cu}$	1.00	1.40	1.00	1.00
Peso nell'unità di volume	$\gamma_f$	1.00	1.00	1.00	1.00

Coeff. parziali  $\gamma_R$  per le verifiche agli stati limite ultimi STR e GEO

Verifica	Combinazioni statiche			Combinazioni sismiche		
	R1	R2	R3	R1	R2	R3
Capacità portante	--	--	1.40	--	--	1.20
Scorrimento	--	--	1.10	--	--	1.00
Resistenza terreno a valle	--	--	1.40	--	--	1.20
Ribaltamento	--	--	1.15	--	--	1.00
Stabilità fronte di scavo	--	1.10	--	--	1.20	--

Carichi verticali. Coeff. parziali  $\gamma_R$  da applicare alle resistenze caratteristiche

Resistenza		Pali infissi			Pali trivellati			Pali ad elica continua		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
Punta	$\gamma_b$	--	--	1.15	--	--	1.35	--	--	1.30
Laterale compressione	$\gamma_s$	--	--	1.15	--	--	1.15	--	--	1.15
Totale compressione	$\gamma_t$	--	--	1.15	--	--	1.30	--	--	1.25
Laterale trazione	$\gamma_{st}$	--	--	1.25	--	--	1.25	--	--	1.25

Carichi trasversali. Coeff. parziali  $\gamma_R$  da applicare alle resistenze caratteristiche

		R1	R2	R3
Trasversale	$\gamma_t$	--	--	1.30

Coefficienti di riduzione  $\zeta$  per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1

$\zeta_3=1.70$   $\zeta_4=1.70$

## Descrizione combinazioni di carico

Con riferimento alle azioni elementari prima determinate, si sono considerate le seguenti combinazioni di carico:

- Combinazione fondamentale, impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1} G_1 + \gamma_{G2} G_2 + \gamma_{Q1} Q_{k1} + \gamma_{Q2} Q_{k2} + \gamma_{Q3} Q_{k3} + \dots$$

- Combinazione caratteristica, cosiddetta rara, impiegata per gli stati limite di esercizio (SLE) irreversibili:

$$G_1 + G_2 + Q_{k1} + \Psi_{0,2} Q_{k2} + \Psi_{0,3} Q_{k3} + \dots$$

- Combinazione frequente, impiegata per gli stati limite di esercizio (SLE) reversibili:

$$G_1 + G_2 + \Psi_{1,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione quasi permanente, impiegata per gli effetti di lungo periodo:

$$G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione sismica, impiegata per gli stati limite ultimi connessi all'azione sismica E:

$$E + G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

I valori dei coeff.  $\Psi_{0,j}$ ,  $\Psi_{1,j}$ ,  $\Psi_{2,j}$  sono definiti nelle singole condizioni variabili.

I valori dei coeff.  $\gamma_G$  e  $\gamma_Q$ , sono definiti nella tabella normativa.

In particolare si sono considerate le seguenti combinazioni:

#### Simbologia adottata

$\gamma$  Coefficiente di partecipazione della condizione  
 $\Psi$  Coefficiente di combinazione della condizione

#### Combinazione n° 1 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA PARAPETTO	1.50	1.00	Sfavorevole
SPINTA ACQUA	1.50	0.60	Sfavorevole

#### Combinazione n° 2 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA ACQUA	1.50	1.00	Sfavorevole

#### Combinazione n° 3 - STR (A1-M1-R3) H + V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole

#### Combinazione n° 4 - STR (A1-M1-R3) H - V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

#### Combinazione n° 5 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.30	--	Sfavorevole
Peso terrapieno	1.30	--	Sfavorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA PARAPETTO	1.50	1.00	Sfavorevole
SPINTA ACQUA	1.50	0.60	Sfavorevole

#### Combinazione n° 6 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.30	--	Sfavorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA PARAPETTO	1.50	1.00	Sfavorevole
SPINTA ACQUA	1.50	0.60	Sfavorevole

#### Combinazione n° 7 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.30	--	Sfavorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA PARAPETTO	1.50	1.00	Sfavorevole
SPINTA ACQUA	1.50	0.60	Sfavorevole

#### Combinazione n° 8 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.30	--	Sfavorevole
Peso terrapieno	1.30	--	Sfavorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA ACQUA	1.50	1.00	Sfavorevole

#### Combinazione n° 9 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.30	--	Sfavorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA ACQUA	1.50	1.00	Sfavorevole

#### Combinazione n° 10 - STR (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.30	--	Sfavorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA ACQUA	1.50	1.00	Sfavorevole

Combinazione n° 11 - GEO (A2-M2-R2)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
SPINTA PARAPETTO	1.30	1.00	Sfavorevole
SPINTA ACQUA	1.30	0.60	Sfavorevole

Combinazione n° 12 - GEO (A2-M2-R2)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
SPINTA ACQUA	1.30	1.00	Sfavorevole

Combinazione n° 13 - GEO (A2-M2-R2) H + V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 14 - GEO (A2-M2-R2) H - V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 15 - EQU (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA PARAPETTO	1.50	1.00	Sfavorevole
SPINTA ACQUA	1.50	0.60	Sfavorevole

Combinazione n° 16 - EQU (A1-M1-R3)

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
SPINTA ACQUA	1.50	1.00	Sfavorevole

Combinazione n° 17 - EQU (A1-M1-R3) H + V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 18 - EQU (A1-M1-R3) H - V

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 19 - SLER

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
SPINTA PARAPETTO	1.00	1.00	Sfavorevole
SPINTA ACQUA	1.00	0.60	Sfavorevole

Combinazione n° 20 - SLEF

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 21 - SLEQ

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Combinazione n° 22 - SLER

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
SPINTA ACQUA	1.00	1.00	Sfavorevole

Combinazione n° 23 - SLEF

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
SPINTA ACQUA	1.00	0.20	Sfavorevole

Combinazione n° 24 - SLEQ

Condizione	$\gamma$	$\Psi$	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole

Dati sismici

Comune	Firenze
Provincia	Firenze
Regione	Toscana
Latitudine	43.768732
Longitudine	11.256901
Indice punti di interpolazione	20059 - 19837 - 19836 - 20058
Vita nominale	50 anni
Classe d'uso	II
Tipo costruzione	Normali affollamenti
Vita di riferimento	50 anni

	Simbolo	U.M.		SLU	SLE
Accelerazione al suolo	$a_g$	[m/s <sup>2</sup> ]		1.281	0.549
Accelerazione al suolo	$a_g/g$	[%]		0.131	0.056
Massimo fattore amplificazione spettro orizzontale	F0			2.404	2.589
Periodo inizio tratto spettro a velocità costante	Tc*			0.302	0.267
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		A	1.000	1.000
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000	

Stato limite ...	Coeff. di riduzione $\beta_m$	kh [%]	kv [%]
Ultimo	1.000	13.055	6.527
Ultimo - Ribaltamento	1.000	13.055	6.527
Esercizio	1.000	5.598	2.799

Forma diagramma incremento sismico **Stessa forma del diagramma statico**

## Opzioni di calcolo

### Spinta

Metodo di calcolo della spinta	Culmann
Tipo di spinta	Spinta attiva
Terreno a bassa permeabilità	NO
Superficie di spinta limitata	NO

### Stabilità globale

Metodo di calcolo della stabilità globale	Bishop
-------------------------------------------	--------

### Altro

Partecipazione spinta passiva terreno antistante	0.00
Partecipazione resistenza passiva dente di fondazione	50.00
Componente verticale della spinta nel calcolo delle sollecitazioni	NO
Considera terreno sulla fondazione di valle	SI
Considera spinta e peso acqua fondazione di valle	SI

### Spostamenti

Modello a blocchi	
Non è stato richiesto il calcolo degli spostamenti	
Spostamento limite	5.00 [cm]

### Opzioni calcolo pali

#### Portanza verticale

Metodo di calcolo della portanza alla punta	Terzaghi
Metodo di calcolo della portanza alla laterale	Integrazione delle tensioni tangenziali ( $k_s \sigma_v \tan(\delta) + c_a$ )
Correzione angolo di attrito in funzione del tipo di palo (infisso/trivellato)	Attiva
Andamento pressione verticale nel calcolo della portanza alla punta $\sigma_v$ con la profondità	Pressione geostatica
Andamento pressione verticale nel calcolo della portanza laterale	Pressione geostatica

#### Portanza trasversale

Costante di Winkler: da strato	
Criterio rottura palo-terreno	
- Spostamento limite	Non attivo
- Pressione limite	Pressione passiva con moltiplicatore $M=3.00$
- Palo infinitamente elastico	Non attivo

#### Cedimenti

Metodo di calcolo	Metodo agli elementi finiti
Spostamento limite alla punta	1.00 [cm]
Spostamento limite laterale	0.50 [cm]

### Specifiche per le verifiche nelle combinazioni allo Stato Limite Ultimo (SLU)

	SLU	Eccezionale
Coefficiente di sicurezza calcestruzzo a compressione	1.50	1.00
Coefficiente di sicurezza acciaio	1.15	1.00
Fattore di riduzione da resistenza cubica a cilindrica	0.83	0.83
Fattore di riduzione per carichi di lungo periodo	0.85	0.85
Coefficiente di sicurezza per la sezione	1.00	1.00

### Specifiche per le verifiche nelle combinazioni allo Stato Limite di Esercizio (SLE)

#### Paramento e fondazione muro

Condizioni ambientali	Ordinarie
Armatura ad aderenza migliorata	SI

#### Verifica a fessurazione

Sensibilità armatura	Poco sensibile
Metodo di calcolo aperture delle fessure	NTC 2018 - CIRCOLARE 21 gennaio 2019, n. 7 C.S.LL.PP.
Calcolo momento fessurazione	Apertura
Resistenza a trazione per	Flessione
Valori limite aperture delle fessure:	$w_1=0.20$
	$w_2=0.30$
	$w_3=0.40$

#### Verifica delle tensioni

Valori limite delle tensioni nei materiali:

Combinazione	Calcestruzzo	Acciaio
Rara	$0.60 f_{ck}$	$0.80 f_{yk}$
Frequente	$1.00 f_{ck}$	$1.00 f_{yk}$
Quasi permanente	$0.45 f_{ck}$	$1.00 f_{yk}$



## Risultati per combinazione

### Spinta e forze

#### Simbologia adottata

Ic	Indice della combinazione
A	Tipo azione
I	Inclinazione della spinta, espressa in [°]
V	Valore dell'azione, espressa in [kg]
Cx, Cy	Componente in direzione X ed Y dell'azione, espressa in [kg]
Px, Py	Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kg]	I [°]	Cx [kg]	Cy [kg]	Px [m]	Py [m]
1	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			672	0	--	--
	Resistenza pali			-4574			
2	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			1458	0	--	--
	Resistenza pali			-2153			
3	Spinta statica	5	16.00	5	1	0.00	-1.47
	Incremento di spinta sismica		101	97	28	0.00	-1.07
	Peso/Inerzia muro			196	1500/98	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			49	372	-0.65	-1.23
	Resistenza pali			-688			
4	Spinta statica	5	16.00	5	1	0.00	-1.47
	Incremento di spinta sismica		95	91	26	0.00	-1.07
	Peso/Inerzia muro			196	1500/-98	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			49	372	-0.65	-1.23
	Resistenza pali			-784			
5	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1950/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	484	-0.65	-1.23
	Risultante forze sul muro			672	0	--	--
	Resistenza pali			-2250			
6	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	484	-0.65	-1.23
	Risultante forze sul muro			672	0	--	--
	Resistenza pali			-4709			
7	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1950/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			672	0	--	--
	Resistenza pali			-2342			
8	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1950/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	484	-0.65	-1.23
	Risultante forze sul muro			1458	0	--	--
	Resistenza pali			-2594			
9	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	484	-0.65	-1.23
	Risultante forze sul muro			1458	0	--	--
	Resistenza pali			-2179			
10	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1950/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			1458	0	--	--
	Resistenza pali			-2559			
19	Spinta statica	5	16.00	5	1	0.00	-1.47
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			448	0	--	--
	Resistenza pali			-2075			
20	Spinta statica	5	16.00	5	1	0.00	-1.47
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Resistenza pali			-11			
21	Spinta statica	5	16.00	5	1	0.00	-1.47
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Resistenza pali			-11			
22	Spinta statica	5	16.00	5	1	0.00	-1.47

Ic	A	V [kg]	I [°]	Cx [kg]	Cy [kg]	Px [m]	Py [m]
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			972	0	--	--
	Resistenza pali			-3837			
23	Spinta statica	5	16.00	5	1	0.00	-1.47
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			194	0	--	--
	Resistenza pali			-571			
24	Spinta statica	5	16.00	5	1	0.00	-1.47
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Resistenza pali			-11			

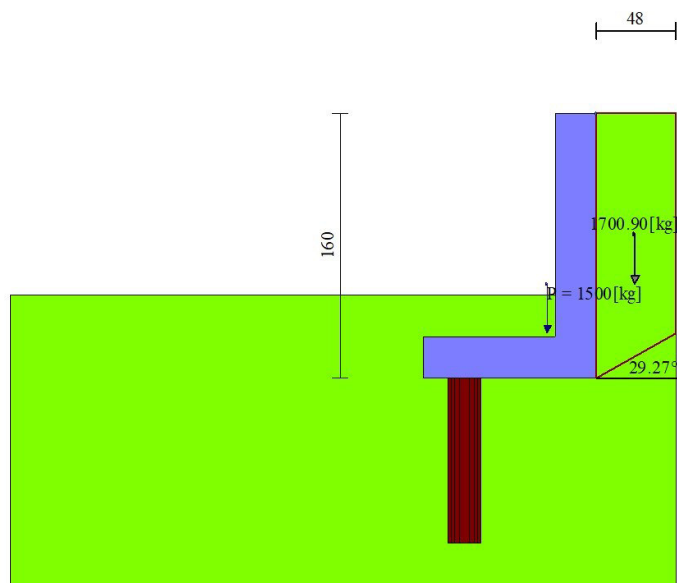


Fig. 4 - Cuneo di spinta (combinazione statica) (Combinazione n° 1)

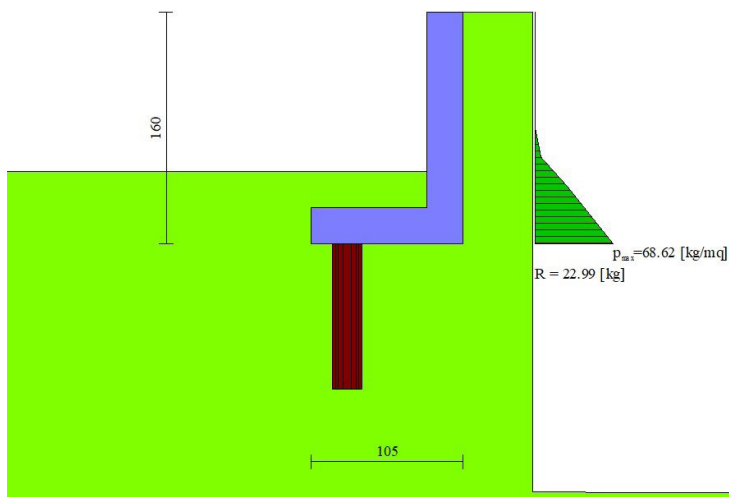


Fig. 5 - Diagramma delle pressioni (combinazione statica) (Combinazione n° 1)

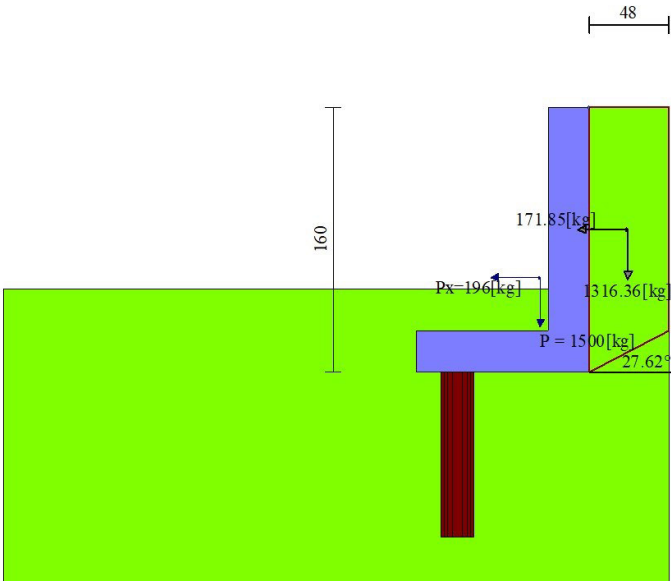


Fig. 6 - Cuneo di spinta (combinazione sismica) (Combinazione n° 3)

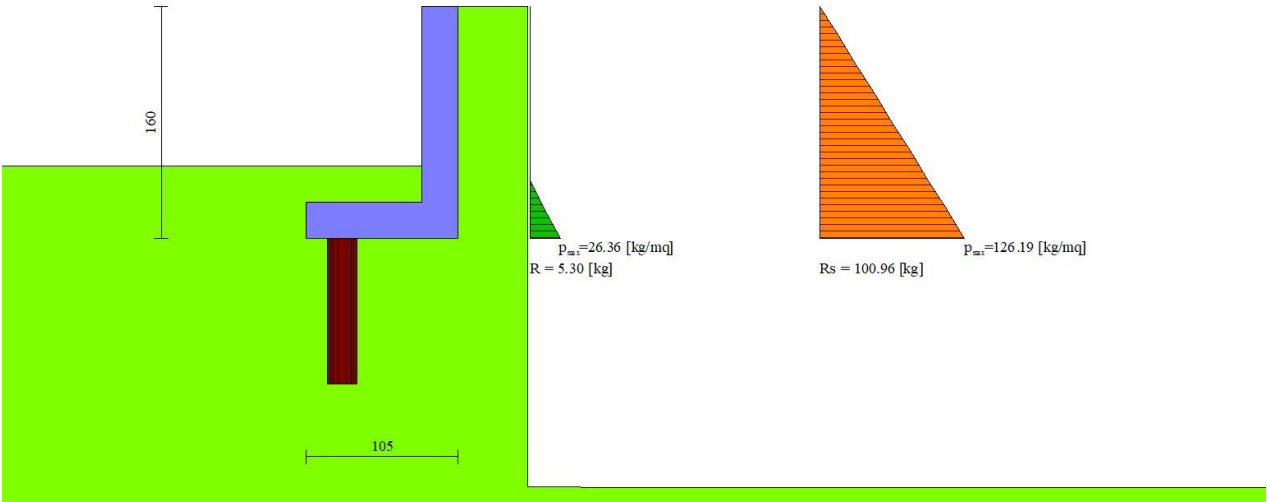


Fig. 7 - Diagramma delle pressioni (combinazione sismica) (Combinazione n° 3)

Scarichi in testa ai pali

Simbologia adottata  
Cmb      Indice/Tipo combinazione  
Ip        Indice palo  
N        Sforzo normale, espresso in [kg]  
M        Momento, espresso in [kgm]  
T        Taglio, espresso in [kg]

Cmb	Ip	N [kg]	M [kgm]	T [kg]
1 - STR (A1-M1-R3)	1	4269	-418	-1578
2 - STR (A1-M1-R3)	1	4269	1234	-3364

Cmb	Ip	N [kg]	M [kgm]	T [kg]
3 - STR (A1-M1-R3) H + V	1	4544	-1579	-788
4 - STR (A1-M1-R3) H - V	1	4095	-1361	-774
5 - STR (A1-M1-R3)	1	5545	-968	-1578
6 - STR (A1-M1-R3)	1	4523	-456	-1578
7 - STR (A1-M1-R3)	1	5292	-929	-1578
8 - STR (A1-M1-R3)	1	5545	684	-3364
9 - STR (A1-M1-R3)	1	4523	1196	-3364
10 - STR (A1-M1-R3)	1	5292	722	-3364
19 - SLER	1	4258	-890	-1030
20 - SLEF	1	4258	-1832	-12
21 - SLEQ	1	4258	-1832	-12
22 - SLER	1	4258	211	-2221
23 - SLEF	1	4258	-1424	-453
24 - SLEQ	1	4258	-1832	-12

## Verifiche geotecniche

### Quadro riassuntivo coeff. di sicurezza calcolati

#### Simbologia adottata

Cmb	Indice/Tipo combinazione
S	Sisma (H: componente orizzontale, V: componente verticale)
FS <sub>SCO</sub>	Coeff. di sicurezza allo scorrimento
FS <sub>RIB</sub>	Coeff. di sicurezza al ribaltamento
FS <sub>QLIM</sub>	Coeff. di sicurezza a carico limite
FS <sub>STAB</sub>	Coeff. di sicurezza a stabilità globale
FS <sub>HYD</sub>	Coeff. di sicurezza a sifonamento
FS <sub>SUPL</sub>	Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS <sub>SCO</sub>	FS <sub>RIB</sub>	FS <sub>QLIM</sub>	FS <sub>STAB</sub>	FS <sub>HYD</sub>	FS <sub>SUPL</sub>
1 - STR (A1-M1-R3)		6.587					
2 - STR (A1-M1-R3)		1.454					
3 - STR (A1-M1-R3) H + V	H + V	1.985					
4 - STR (A1-M1-R3) H - V	H - V	2.303					
5 - STR (A1-M1-R3)		3.240					
6 - STR (A1-M1-R3)		6.781					
7 - STR (A1-M1-R3)		3.372					
8 - STR (A1-M1-R3)		1.752					
9 - STR (A1-M1-R3)		1.472					
10 - STR (A1-M1-R3)		1.729					
11 - GEO (A2-M2-R2)					83.508		
12 - GEO (A2-M2-R2)					83.508		
13 - GEO (A2-M2-R2) H + V	H + V				41.311		
14 - GEO (A2-M2-R2) H - V	H - V				42.163		
15 - EQU (A1-M1-R3)			20.521				
16 - EQU (A1-M1-R3)			9.503				
17 - EQU (A1-M1-R3) H + V	H + V		70.734				
18 - EQU (A1-M1-R3) H - V	H - V		50.839				

### Verifiche portanza trasversale (scorrimento)

#### Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
T	Carico orizzontale agente alla testa del palo, espresso in [kg]
Td	Portanza trasversale di progetto, espresso in [kg]
FS <sub>o</sub>	Fattore di sicurezza (Td/T)

Ic	Ip	T [kg]	Td [kg]	FS <sub>o</sub>
1 - STR (A1-M1-R3)	1	-1578	10395	6.587
2 - STR (A1-M1-R3)	1	-3364	4892	1.454
3 - STR (A1-M1-R3) H + V	1	-788	1563	1.985
4 - STR (A1-M1-R3) H - V	1	-774	1782	2.303
5 - STR (A1-M1-R3)	1	-1578	5113	3.240
6 - STR (A1-M1-R3)	1	-1578	10702	6.781

Ic	Ip	T [kg]	Td [kg]	FS <sub>o</sub>
7 - STR (A1-M1-R3)	1	-1578	5322	3.372
8 - STR (A1-M1-R3)	1	-3364	5895	1.752
9 - STR (A1-M1-R3)	1	-3364	4953	1.472
10 - STR (A1-M1-R3)	1	-3364	5815	1.729

### Verifiche portanza verticale

#### Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
N	Carico verticale agente alla testa del palo, espresso in [kg]
Pd	Portanza di progetto, espresso in [kg]
FS <sub>v</sub>	Fattore di sicurezza (Pd/N)

Ic	Ip	N [kg]	Pd [kg]	FS <sub>v</sub>
1 - STR (A1-M1-R3)	1	4269	15118	3.541
2 - STR (A1-M1-R3)	1	4269	15118	3.541
3 - STR (A1-M1-R3) H + V	1	4544	15118	3.327
4 - STR (A1-M1-R3) H - V	1	4095	15118	3.692
5 - STR (A1-M1-R3)	1	5545	15118	2.726
6 - STR (A1-M1-R3)	1	4523	15118	3.343
7 - STR (A1-M1-R3)	1	5292	15118	2.857
8 - STR (A1-M1-R3)	1	5545	15118	2.726
9 - STR (A1-M1-R3)	1	4523	15118	3.343
10 - STR (A1-M1-R3)	1	5292	15118	2.857

### Dettagli calcolo portanza verticale

#### Simbologia adottata

n°	Indice palo
Nc, Nq	Coeff. di capacità portante
N'c, N'q	Coeff. di capacità portante corretti
Zc	Massima profondità andamento pressione geostatica, espressa in [m]
Pp, Pl	Portanza di punta e laterale caratteristica, espresse in [kg]
A	Attrito negativo, espresso in [kg]
Wp	Peso palo, espresso in [kg]

n°	Nc	N'c	Nq	N'q	Zc [m]	Pp [kg]	Pl [kg]	A [kg]	Wp [kg]
1	30.633	30.633	17.014	17.014	--	31448 31448	4407 4407	0	839

### Verifica a ribaltamento

#### Simbologia adottata

n°	Indice combinazione
Ms	Momento stabilizzante, espresso in [kgm]
Mr	Momento ribaltante, espresso in [kgm]
FS	Fattore di sicurezza (rapporto tra momento stabilizzante e momento ribaltante)

La verifica viene eseguita rispetto allo spigolo inferiore esterno della fondazione

n°	Ms [kgm]	Mr [kgm]	FS
15 - EQU (A1-M1-R3)	12864	627	20.521
16 - EQU (A1-M1-R3)	12864	1354	9.503
17 - EQU (A1-M1-R3) H + V	12962	183	70.734
18 - EQU (A1-M1-R3) H - V	12887	253	50.839

### Verifica stabilità globale muro + terreno

#### Simbologia adottata

Ic	Indice/Tipo combinazione
C	Centro superficie di scorrimento, espresso in [m]
R	Raggio, espresso in [m]
FS	Fattore di sicurezza

Ic	C	R	FS
----	---	---	----

		[m]	[m]	
11 - GEO (A2-M2-R2)		-2.50; 0.00	2.98	83.508
12 - GEO (A2-M2-R2)		-2.50; 0.00	2.98	83.508
13 - GEO (A2-M2-R2)	H + V	-4.50; 0.50	4.98	41.311
14 - GEO (A2-M2-R2)	H - V	-4.50; 0.50	4.98	42.163

## Dettagli strisce verifiche stabilità

### Simbologia adottata

Le ascisse X sono considerate positive verso monte

Le ordinate Y sono considerate positive verso l'alto

Origine in testa al muro (spigolo contro terra)

W peso della striscia espresso in [kg]

Qy carico sulla striscia espresso in [kg]

Qf carico acqua sulla striscia espresso in [kg]

$\alpha$  angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario)

$\phi$  angolo d'attrito del terreno lungo la base della striscia

c coesione del terreno lungo la base della striscia espressa in [kg/cm<sup>2</sup>]

b larghezza della striscia espressa in [m]

u pressione neutra lungo la base della striscia espressa in [kg/cm<sup>2</sup>]

Tx; Ty Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kg/cm<sup>2</sup>]

### Combinazione n° 11 - GEO (A2-M2-R2)

n°	W [kg]	Qy [kg]	Qf [kg]	b [m]	$\alpha$ [°]	$\phi$ [°]	c [kg/cm <sup>2</sup> ]	u [kg/cm <sup>2</sup> ]	Tx; Ty [kg]
1	246	0	0	0.48 - 0.23	78.661	21.315	0.80	0.000	
2	587	0	0	0.23	62.517	21.315	0.80	0.000	
3	1007	0	0	0.23	53.945	21.315	0.80	0.000	
4	475	0	0	0.23	46.934	21.315	0.80	0.000	
5	531	0	0	0.23	40.763	21.315	0.80	0.000	
6	608	0	0	0.23	35.128	21.315	0.80	0.000	
7	657	0	0	0.23	29.864	21.315	0.80	0.000	
8	685	0	0	0.23	24.867	21.315	0.80	0.000	
9	726	0	0	0.23	20.066	21.315	0.80	0.000	
10	758	0	0	0.23	15.409	21.315	0.80	0.000	
11	781	0	0	0.23	10.855	21.315	0.80	0.000	
12	796	0	0	0.23	6.370	21.315	0.80	0.000	
13	803	0	0	0.23	1.924	21.315	0.80	0.000	
14	802	0	0	0.23	-2.510	21.315	0.80	0.000	
15	794	0	0	0.23	-6.960	21.315	0.80	0.000	
16	778	0	0	0.23	-11.452	21.315	0.80	0.000	
17	754	0	0	0.23	-16.018	21.315	0.80	0.000	
18	721	0	0	0.23	-20.691	21.315	0.80	0.000	
19	679	0	0	0.23	-25.515	21.315	0.80	0.000	
20	626	0	0	0.23	-30.542	21.315	0.80	0.000	
21	562	0	0	0.23	-35.849	21.315	0.80	0.000	
22	482	0	0	0.23	-41.543	21.315	0.80	0.000	
23	384	0	0	0.23	-47.803	21.315	0.80	0.000	
24	259	0	0	0.23	-54.963	21.315	0.80	0.000	
25	89	0	0	-5.28 - 0.23	-62.466	21.315	0.80	0.000	

Resistenza al taglio pali 40502 [kg]

### Combinazione n° 12 - GEO (A2-M2-R2)

n°	W [kg]	Qy [kg]	Qf [kg]	b [m]	$\alpha$ [°]	$\phi$ [°]	c [kg/cm <sup>2</sup> ]	u [kg/cm <sup>2</sup> ]	Tx; Ty [kg]
1	246	0	0	0.48 - 0.23	78.661	21.315	0.80	0.000	
2	587	0	0	0.23	62.517	21.315	0.80	0.000	
3	1007	0	0	0.23	53.945	21.315	0.80	0.000	
4	475	0	0	0.23	46.934	21.315	0.80	0.000	
5	531	0	0	0.23	40.763	21.315	0.80	0.000	
6	608	0	0	0.23	35.128	21.315	0.80	0.000	
7	657	0	0	0.23	29.864	21.315	0.80	0.000	
8	685	0	0	0.23	24.867	21.315	0.80	0.000	
9	726	0	0	0.23	20.066	21.315	0.80	0.000	
10	758	0	0	0.23	15.409	21.315	0.80	0.000	
11	781	0	0	0.23	10.855	21.315	0.80	0.000	
12	796	0	0	0.23	6.370	21.315	0.80	0.000	
13	803	0	0	0.23	1.924	21.315	0.80	0.000	
14	802	0	0	0.23	-2.510	21.315	0.80	0.000	
15	794	0	0	0.23	-6.960	21.315	0.80	0.000	
16	778	0	0	0.23	-11.452	21.315	0.80	0.000	
17	754	0	0	0.23	-16.018	21.315	0.80	0.000	
18	721	0	0	0.23	-20.691	21.315	0.80	0.000	
19	679	0	0	0.23	-25.515	21.315	0.80	0.000	
20	626	0	0	0.23	-30.542	21.315	0.80	0.000	
21	562	0	0	0.23	-35.849	21.315	0.80	0.000	
22	482	0	0	0.23	-41.543	21.315	0.80	0.000	
23	384	0	0	0.23	-47.803	21.315	0.80	0.000	
24	259	0	0	0.23	-54.963	21.315	0.80	0.000	
25	89	0	0	-5.28 - 0.23	-62.466	21.315	0.80	0.000	

Resistenza al taglio pali 40502 [kg]

### Combinazione n° 13 - GEO (A2-M2-R2) H + V

n°	W	Qy	Qf	b	$\alpha$	$\phi$	c	u	Tx; Ty
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	[kg]	[kg]	[kg]	[m]	[°]	[°]	[kg/cm²]	[kg/cm²]	[kg]
1	526	0	0	0.46 - 0.39	75.147	26.000	1.00	0.000	
2	1450	0	0	0.39	62.038	26.000	1.00	0.000	
3	1036	0	0	0.39	53.525	26.000	1.00	0.000	
4	1365	0	0	0.39	46.529	26.000	1.00	0.000	
5	1575	0	0	0.39	40.359	26.000	1.00	0.000	
6	1790	0	0	0.39	34.718	26.000	1.00	0.000	
7	1966	0	0	0.39	29.443	26.000	1.00	0.000	
8	2108	0	0	0.39	24.433	26.000	1.00	0.000	
9	2221	0	0	0.39	19.615	26.000	1.00	0.000	
10	2308	0	0	0.39	14.939	26.000	1.00	0.000	
11	2370	0	0	0.39	10.364	26.000	1.00	0.000	
12	2410	0	0	0.39	5.855	26.000	1.00	0.000	
13	2428	0	0	0.39	1.382	26.000	1.00	0.000	
14	2424	0	0	0.39	-3.082	26.000	1.00	0.000	
15	2398	0	0	0.39	-7.565	26.000	1.00	0.000	
16	2349	0	0	0.39	-12.096	26.000	1.00	0.000	
17	2278	0	0	0.39	-16.705	26.000	1.00	0.000	
18	2181	0	0	0.39	-21.430	26.000	1.00	0.000	
19	2057	0	0	0.39	-26.314	26.000	1.00	0.000	
20	1903	0	0	0.39	-31.415	26.000	1.00	0.000	
21	1714	0	0	0.39	-36.815	26.000	1.00	0.000	
22	1481	0	0	0.39	-42.633	26.000	1.00	0.000	
23	1191	0	0	0.39	-49.070	26.000	1.00	0.000	
24	820	0	0	0.39	-56.521	26.000	1.00	0.000	
25	295	0	0	-9.22 - 0.39	-65.384	26.000	1.00	0.000	

Resistenza al taglio pali 40502 [kg]

Combinazione n° 14 - GEO (A2-M2-R2) H - V

n°	W [kg]	Qy [kg]	Qf [kg]	b [m]	α [°]	φ [°]	c [kg/cm²]	u [kg/cm²]	Tx; Ty [kg]
1	526	0	0	0.46 - 0.39	75.147	26.000	1.00	0.000	
2	1450	0	0	0.39	62.038	26.000	1.00	0.000	
3	1036	0	0	0.39	53.525	26.000	1.00	0.000	
4	1365	0	0	0.39	46.529	26.000	1.00	0.000	
5	1575	0	0	0.39	40.359	26.000	1.00	0.000	
6	1790	0	0	0.39	34.718	26.000	1.00	0.000	
7	1966	0	0	0.39	29.443	26.000	1.00	0.000	
8	2108	0	0	0.39	24.433	26.000	1.00	0.000	
9	2221	0	0	0.39	19.615	26.000	1.00	0.000	
10	2308	0	0	0.39	14.939	26.000	1.00	0.000	
11	2370	0	0	0.39	10.364	26.000	1.00	0.000	
12	2410	0	0	0.39	5.855	26.000	1.00	0.000	
13	2428	0	0	0.39	1.382	26.000	1.00	0.000	
14	2424	0	0	0.39	-3.082	26.000	1.00	0.000	
15	2398	0	0	0.39	-7.565	26.000	1.00	0.000	
16	2349	0	0	0.39	-12.096	26.000	1.00	0.000	
17	2278	0	0	0.39	-16.705	26.000	1.00	0.000	
18	2181	0	0	0.39	-21.430	26.000	1.00	0.000	
19	2057	0	0	0.39	-26.314	26.000	1.00	0.000	
20	1903	0	0	0.39	-31.415	26.000	1.00	0.000	
21	1714	0	0	0.39	-36.815	26.000	1.00	0.000	
22	1481	0	0	0.39	-42.633	26.000	1.00	0.000	
23	1191	0	0	0.39	-49.070	26.000	1.00	0.000	
24	820	0	0	0.39	-56.521	26.000	1.00	0.000	
25	295	0	0	-9.22 - 0.39	-65.384	26.000	1.00	0.000	

Resistenza al taglio pali 40502 [kg]

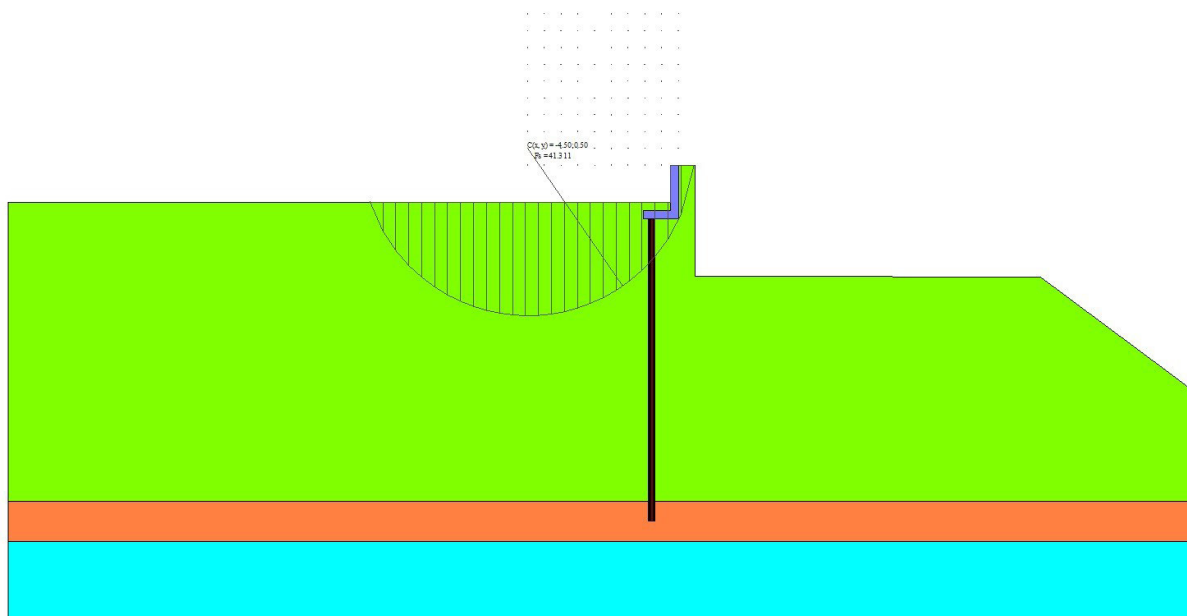


Fig. 8 - Stabilità fronte di scavo - Cerchio critico (Combinazione n° 13)

### Cedimenti pali

#### Simbologia adottata

Ic      Indice combinazione  
Ip      Indice palo  
w      Cedimento, espresso in [cm]

Ic	Ip	w [cm]
19	1	0.1216
20	1	0.1216
21	1	0.1216
22	1	0.1216
23	1	0.1216
24	1	0.1216

### Spostamenti

#### Simbologia adottata

Cmb      Tipo combinazione  
Modello a blocchi  
X      Spostamento in direzione X (positivo verso monte), espresso in [cm]  
Y      Spostamento in direzione Y (positivo verso l'alto), espresso in [cm]  
Phi      Rotazione (positiva antioraria), espresso in [°]

#### Spostamenti ottenuti con il modello a blocchi

Cmb	X [cm]	Y [cm]	Phi [°]
1 - STR (A1-M1-R3)	-0.08599	-0.10224	0.02260
2 - STR (A1-M1-R3)	-0.56302	0.11364	0.26998
3 - STR (A1-M1-R3) H + V	0.19965	-0.24396	-0.13081
4 - STR (A1-M1-R3) H - V	0.16239	-0.21188	-0.10874
5 - STR (A1-M1-R3)	0.01124	-0.18840	-0.03435
6 - STR (A1-M1-R3)	-0.07925	-0.11293	0.01866
7 - STR (A1-M1-R3)	0.00450	-0.17772	-0.03040
8 - STR (A1-M1-R3)	-0.46206	0.02613	0.21149
9 - STR (A1-M1-R3)	-0.55570	0.10273	0.26579
10 - STR (A1-M1-R3)	-0.46880	0.03681	0.21543
15 - EQU (A1-M1-R3)	-0.08599	-0.10224	0.02260
16 - EQU (A1-M1-R3)	-0.56302	0.11364	0.26998
17 - EQU (A1-M1-R3) H + V	0.19965	-0.24396	-0.13081
18 - EQU (A1-M1-R3) H - V	0.16239	-0.21188	-0.10874
19 - SLER	0.05310	-0.16461	-0.04923
20 - SLEF	0.32309	-0.28699	-0.18947



Cmb	X [cm]	Y [cm]	Phi [°]
21 - SLEQ	0.32309	-0.28699	-0.18947
22 - SLER	-0.26243	-0.02159	0.11466
23 - SLEF	0.20599	-0.23391	-0.12864
24 - SLEQ	0.32309	-0.28699	-0.18947

## Sollecitazioni

### Elementi calcolati a trave

#### Simbologia adottata

n° Indice della sezione  
 X Posizione della sezione, espresso in [m]  
 N Sforzo normale, espresso in [kg]. Positivo se di compressione.  
 T Taglio, espresso in [kg]. Positivo se diretto da monte verso valle  
 M Momento, espresso in [kgm]. Positivo se tende le fibre contro terra (a monte)  
 La posizione delle sezioni di verifica fanno riferimento al sistema di riferimento globale la cui origine è nello spigolo in alto a destra del paramento.

### Elementi calcolati a piastra

#### Simbologia adottata

Mx, My Momenti flettenti, espresso in [kgm]  
 Mxy Momento torcente, espresso in [kgm]. Positivo se diretto da monte verso valle  
 Tx, Ty Tagli, espresso in [kg]. Positivo se tende le fibre contro terra (a monte)  
 I momenti flettenti sono positivi se tendono le fibre inferiori (intradosso fondazione, paramento esterno)

## Paramento

### Combinazione n° 1 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	48	2
3	-0.19	121	96	9
4	-0.29	181	144	21
5	-0.39	241	192	37
6	-0.48	301	240	58
7	-0.58	362	288	83
8	-0.68	422	336	113
9	-0.77	482	384	148
10	-0.87	542	432	188
11	-0.96	603	480	232
12	-1.06	663	529	280
13	-1.16	723	579	334
14	-1.25	783	629	392
15	-1.35	844	681	455

### Combinazione n° 2 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	104	5
3	-0.19	121	208	20
4	-0.29	181	312	45
5	-0.39	241	417	80
6	-0.48	301	521	126
7	-0.58	362	625	181
8	-0.68	422	729	246
9	-0.77	482	833	321
10	-0.87	542	937	407
11	-0.96	603	1042	502
12	-1.06	663	1146	608
13	-1.16	723	1252	723
14	-1.25	783	1359	849
15	-1.35	844	1467	985

### Combinazione n° 3 - STR (A1-M1-R3) H + V

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	64	8	0
3	-0.19	128	17	2
4	-0.29	193	27	4
5	-0.39	257	37	7
6	-0.48	321	48	11
7	-0.58	385	60	16
8	-0.68	449	73	23
9	-0.77	514	86	30
10	-0.87	578	100	39
11	-0.96	642	114	49
12	-1.06	706	130	61
13	-1.16	770	146	74
14	-1.25	835	163	89
15	-1.35	899	181	106

Combinazione n° 4 - STR (A1-M1-R3) H - V

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	56	8	0
3	-0.19	113	17	2
4	-0.29	169	27	4
5	-0.39	225	37	7
6	-0.48	282	48	11
7	-0.58	338	59	16
8	-0.68	394	72	22
9	-0.77	451	85	30
10	-0.87	507	98	39
11	-0.96	563	113	49
12	-1.06	620	128	60
13	-1.16	676	143	74
14	-1.25	732	160	88
15	-1.35	789	178	104

Combinazione n° 5 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	78	48	2
3	-0.19	157	96	9
4	-0.29	235	144	21
5	-0.39	313	192	37
6	-0.48	392	240	58
7	-0.58	470	288	83
8	-0.68	548	336	113
9	-0.77	627	384	148
10	-0.87	705	432	188
11	-0.96	783	480	232
12	-1.06	862	529	280
13	-1.16	940	579	334
14	-1.25	1019	629	392
15	-1.35	1097	681	455

Combinazione n° 6 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	48	2
3	-0.19	121	96	9
4	-0.29	181	144	21
5	-0.39	241	192	37
6	-0.48	301	240	58
7	-0.58	362	288	83
8	-0.68	422	336	113
9	-0.77	482	384	148
10	-0.87	542	432	188
11	-0.96	603	480	232
12	-1.06	663	529	280
13	-1.16	723	579	334
14	-1.25	783	629	392
15	-1.35	844	681	455

Combinazione n° 7 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	78	48	2
3	-0.19	157	96	9
4	-0.29	235	144	21
5	-0.39	313	192	37
6	-0.48	392	240	58
7	-0.58	470	288	83
8	-0.68	548	336	113
9	-0.77	627	384	148
10	-0.87	705	432	188
11	-0.96	783	480	232
12	-1.06	862	529	280
13	-1.16	940	579	334
14	-1.25	1019	629	392
15	-1.35	1097	681	455

Combinazione n° 8 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	78	104	5
3	-0.19	157	208	20
4	-0.29	235	312	45
5	-0.39	313	417	80

n°	X [m]	N [kg]	T [kg]	M [kgm]
6	-0.48	392	521	126
7	-0.58	470	625	181
8	-0.68	548	729	246
9	-0.77	627	833	321
10	-0.87	705	937	407
11	-0.96	783	1042	502
12	-1.06	862	1146	608
13	-1.16	940	1252	723
14	-1.25	1019	1359	849
15	-1.35	1097	1467	985

Combinazione n° 9 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	104	5
3	-0.19	121	208	20
4	-0.29	181	312	45
5	-0.39	241	417	80
6	-0.48	301	521	126
7	-0.58	362	625	181
8	-0.68	422	729	246
9	-0.77	482	833	321
10	-0.87	542	937	407
11	-0.96	603	1042	502
12	-1.06	663	1146	608
13	-1.16	723	1252	723
14	-1.25	783	1359	849
15	-1.35	844	1467	985

Combinazione n° 10 - STR (A1-M1-R3)

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	78	104	5
3	-0.19	157	208	20
4	-0.29	235	312	45
5	-0.39	313	417	80
6	-0.48	392	521	126
7	-0.58	470	625	181
8	-0.68	548	729	246
9	-0.77	627	833	321
10	-0.87	705	937	407
11	-0.96	783	1042	502
12	-1.06	862	1146	608
13	-1.16	940	1252	723
14	-1.25	1019	1359	849
15	-1.35	1097	1467	985

Combinazione n° 19 - SLER

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	32	2
3	-0.19	121	64	6
4	-0.29	181	96	14
5	-0.39	241	128	25
6	-0.48	301	160	39
7	-0.58	362	192	56
8	-0.68	422	224	76
9	-0.77	482	256	99
10	-0.87	542	288	125
11	-0.96	603	320	154
12	-1.06	663	352	187
13	-1.16	723	384	222
14	-1.25	783	416	261
15	-1.35	844	449	303

Combinazione n° 20 - SLEF

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	0	0
3	-0.19	121	0	0
4	-0.29	181	0	0
5	-0.39	241	0	0
6	-0.48	301	0	0
7	-0.58	362	0	0
8	-0.68	422	0	0
9	-0.77	482	0	0
10	-0.87	542	0	0
11	-0.96	603	0	0
12	-1.06	663	0	0
13	-1.16	723	0	0
14	-1.25	783	0	0

n°	X [m]	N [kg]	T [kg]	M [kgm]
15	-1.35	844	1	0

Combinazione n° 21 - SLEQ

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	0	0
3	-0.19	121	0	0
4	-0.29	181	0	0
5	-0.39	241	0	0
6	-0.48	301	0	0
7	-0.58	362	0	0
8	-0.68	422	0	0
9	-0.77	482	0	0
10	-0.87	542	0	0
11	-0.96	603	0	0
12	-1.06	663	0	0
13	-1.16	723	0	0
14	-1.25	783	0	0
15	-1.35	844	1	0

Combinazione n° 22 - SLER

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	69	3
3	-0.19	121	139	13
4	-0.29	181	208	30
5	-0.39	241	278	54
6	-0.48	301	347	84
7	-0.58	362	417	121
8	-0.68	422	486	164
9	-0.77	482	555	214
10	-0.87	542	625	271
11	-0.96	603	694	335
12	-1.06	663	764	405
13	-1.16	723	833	482
14	-1.25	783	903	566
15	-1.35	844	973	656

Combinazione n° 23 - SLEF

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	14	1
3	-0.19	121	28	3
4	-0.29	181	42	6
5	-0.39	241	56	11
6	-0.48	301	69	17
7	-0.58	362	83	24
8	-0.68	422	97	33
9	-0.77	482	111	43
10	-0.87	542	125	54
11	-0.96	603	139	67
12	-1.06	663	153	81
13	-1.16	723	167	96
14	-1.25	783	181	113
15	-1.35	844	195	131

Combinazione n° 24 - SLEQ

n°	X [m]	N [kg]	T [kg]	M [kgm]
1	0.00	0	0	0
2	-0.10	60	0	0
3	-0.19	121	0	0
4	-0.29	181	0	0
5	-0.39	241	0	0
6	-0.48	301	0	0
7	-0.58	362	0	0
8	-0.68	422	0	0
9	-0.77	482	0	0
10	-0.87	542	0	0
11	-0.96	603	0	0
12	-1.06	663	0	0
13	-1.16	723	0	0
14	-1.25	783	0	0
15	-1.35	844	1	0

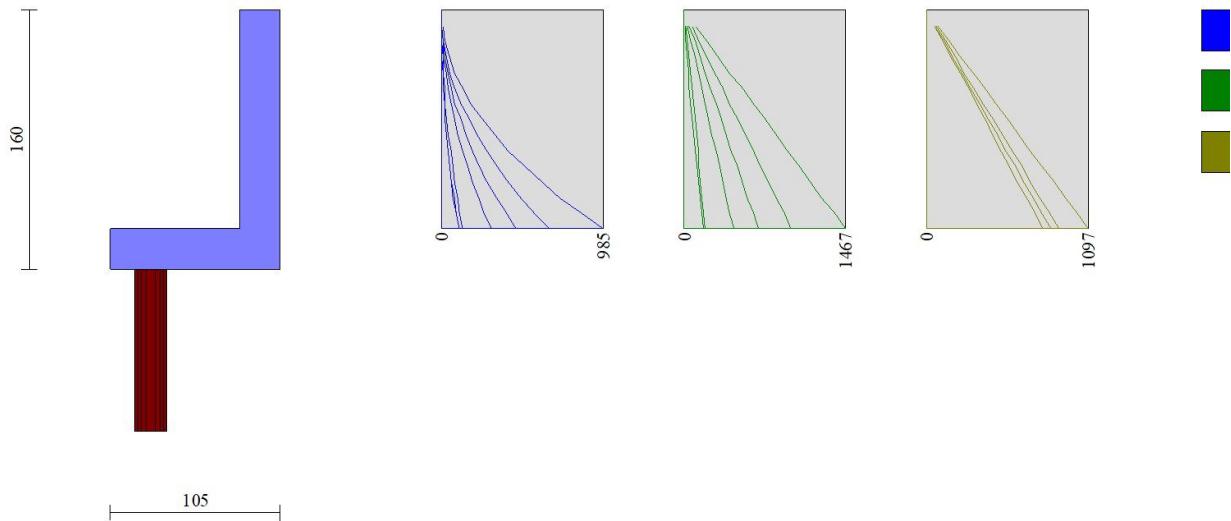


Fig. 9 - Paramento (Inviluppo)

*Piastra fondazione*Combinazione n° 1 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
1	8	7	6	-27	186	
2	22	1	6	7	112	
3	9	-30	8	-41	237	
4	2	-31	10	-34	353	
5	40	6	13	80	122	
6	18	-24	15	-66	266	
7	-9	-100	7	7	504	
8	-4	-108	13	16	595	
9	-13	-93	13	-33	547	
10	59	9	23	171	101	
11	32	-15	27	-114	247	
12	-4	-79	26	-93	532	
13	-41	-215	0	92	809	
14	3	-217	-7	163	669	
15	-58	-213	8	-23	818	
16	-52	-195	16	-101	809	
17	89	13	38	308	66	
18	56	-2	46	-173	209	
19	15	-53	44	-149	494	
20	-36	-159	29	-178	782	
21	-118	-394	-3	0	973	
22	-110	-366	-29	0	668	
23	-116	-387	4	0	954	
24	-110	-366	8	0	946	
25	-98	-326	15	0	928	
26	125	17	60	528	16	
27	89	16	72	-219	142	
28	45	-15	71	-201	411	
29	-10	-101	49	-276	707	
30	-76	-255	26	0	861	
31	-76	-255	26	0	861	
32	-76	-255	26	0	861	
33	-76	-255	26	0	861	
34	-76	-255	26	0	861	
35	-76	-255	26	0	861	
36	-76	-255	26	0	861	
37	156	19	85	855	-45	
38	124	34	103	-201	37	
39	85	34	106	-204	240	
40	30	-11	79	-389	513	
41	-39	-128	43	0	665	
42	-39	-128	43	0	665	
43	140	3	108	1284	-99	
44	140	41	126	17	-104	
45	123	81	143	-81	-89	
46	86	113	118	-425	53	
47	25	84	68	0	176	
48	25	84	68	0	176	
49	32	9	85	1511	-40	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
50	85	-3	142	614	-320
51	125	87	169	635	-688
52	112	247	157	-205	-862
53	129	430	95	0	-947
54	129	430	95	0	-947
55	-434	-255	16	694	553
56	-2	-116	-16	3353	295
57	-160	-56	148	1405	-1287
58	39	388	138	68	-2672
59	265	883	84	0	-2735
60	265	883	84	0	-2735
61	-366	365	13	83	1238
62	-1496	-1336	16	-80	-5207
63	-560	-297	14	-65	-8273
64	-29	483	9	-62	-4338
65	340	1134	4	0	-3781
66	340	1134	4	0	-3781
67	-397	-249	14	-491	516
68	26	-100	52	-3525	262
69	-139	-30	-114	-1547	-1303
70	53	420	-117	-210	-2663
71	273	912	-74	0	-2711
72	273	912	-74	0	-2711
73	110	20	-43	-1193	-121
74	145	30	-92	-819	-398
75	171	145	-121	-809	-739
76	145	319	-127	9	-862
77	150	500	-80	0	-920
78	150	500	-80	0	-920
79	261	19	-46	-754	-236
80	238	94	-53	-253	-250
81	202	180	-71	-133	-220
82	147	247	-68	141	-13
83	68	227	-42	0	149
84	68	227	-42	0	149
85	311	38	1	1	-243
86	259	106	1	-7	-216
87	205	183	1	-6	-60
88	132	213	0	-4	259
89	42	140	0	0	449
90	42	140	0	0	449
91	265	20	48	759	-239
92	241	95	55	235	-251
93	204	182	72	119	-217
94	147	248	69	-150	-6
95	68	227	43	0	158
96	68	227	43	0	158
97	120	22	47	1208	-128
98	152	34	96	790	-402
99	175	150	125	787	-734
100	147	324	128	-27	-847
101	150	501	80	0	-901
102	150	501	80	0	-901
103	-378	-246	-8	530	500
104	40	-93	-44	3477	252
105	-130	-19	122	1508	-1297
106	58	430	121	177	-2639
107	275	916	76	0	-2679
108	275	916	76	0	-2679
109	-332	370	0	-1	1209
110	-1472	-1323	0	0	-5228
111	-544	-277	0	0	-8270
112	-19	504	0	0	-4305
113	344	1148	0	0	-3735
114	344	1148	0	0	-3735
115	-378	-246	7	-531	500
116	40	-93	43	-3477	252
117	-130	-19	-122	-1508	-1296
118	58	430	-122	-176	-2638
119	275	916	-76	0	-2678
120	275	916	-76	0	-2678
121	121	22	-47	-1210	-129
122	152	34	-96	-792	-401
123	175	150	-125	-788	-733
124	147	323	-129	27	-845
125	150	501	-80	0	-899
126	150	501	-80	0	-899
127	266	20	-48	-760	-239
128	242	96	-55	-238	-251
129	204	183	-72	-121	-215
130	147	248	-69	149	-3
131	68	226	-43	0	162
132	68	226	-43	0	162
133	314	38	0	0	-245
134	260	107	0	0	-216
135	206	184	0	0	-56
136	132	213	0	0	266
137	42	139	0	0	456
138	42	139	0	0	456
139	266	20	48	760	-239
140	242	96	55	238	-251
141	204	183	72	121	-215
142	147	248	69	-149	-3

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
143	68	226	43	0	162
144	68	226	43	0	162
145	121	22	46	1209	-129
146	152	34	96	792	-401
147	175	150	125	788	-733
148	147	323	129	-27	-845
149	150	500	80	0	-899
150	150	500	80	0	-899
151	-378	-246	-7	531	500
152	40	-93	-43	3477	253
153	-130	-19	122	1509	-1296
154	58	429	122	177	-2638
155	275	916	76	0	-2678
156	275	916	76	0	-2678
157	-332	370	0	0	1209
158	-1472	-1323	0	0	-5228
159	-544	-277	0	0	-8269
160	-19	504	0	0	-4305
161	344	1148	0	0	-3735
162	344	1148	0	0	-3735
163	-378	-246	7	-531	500
164	40	-93	43	-3477	253
165	-130	-19	-122	-1509	-1296
166	58	429	-122	-177	-2638
167	275	916	-76	0	-2678
168	275	916	-76	0	-2678
169	121	22	-46	-1209	-129
170	152	34	-96	-792	-401
171	175	150	-125	-788	-733
172	147	323	-129	27	-845
173	150	500	-80	0	-899
174	150	500	-80	0	-899
175	266	20	-48	-760	-239
176	242	96	-55	-238	-251
177	204	183	-72	-121	-215
178	147	248	-69	149	-3
179	68	226	-43	0	162
180	68	226	-43	0	162
181	314	38	0	0	-245
182	260	107	0	0	-216
183	206	184	0	0	-56
184	132	213	0	0	266
185	42	139	0	0	456
186	42	139	0	0	456
187	266	20	48	760	-239
188	242	96	55	238	-251
189	204	183	72	121	-215
190	147	248	69	-149	-3
191	68	226	43	0	162
192	68	226	43	0	162
193	121	22	46	1209	-129
194	152	34	96	792	-401
195	175	150	125	788	-733
196	147	323	129	-27	-845
197	150	500	80	0	-899
198	150	500	80	0	-899
199	-378	-246	-7	531	500
200	40	-93	-43	3477	253
201	-130	-19	122	1509	-1296
202	58	429	122	177	-2638
203	275	916	76	0	-2678
204	275	916	76	0	-2678
205	-332	370	0	0	1209
206	-1472	-1323	0	0	-5228
207	-544	-277	0	0	-8269
208	-19	504	0	0	-4305
209	344	1148	0	0	-3735
210	344	1148	0	0	-3735
211	-378	-246	7	-531	500
212	40	-93	43	-3477	253
213	-130	-19	-122	-1509	-1296
214	58	429	-122	-177	-2638
215	275	916	-76	0	-2678
216	275	916	-76	0	-2678
217	121	22	-46	-1209	-129
218	152	34	-96	-792	-401
219	175	150	-125	-788	-733
220	147	323	-129	27	-845
221	150	500	-80	0	-899
222	150	500	-80	0	-899
223	266	20	-48	-760	-239
224	242	96	-55	-238	-251
225	204	183	-72	-121	-215
226	147	248	-69	149	-3
227	68	226	-43	0	162
228	68	226	-43	0	162
229	314	38	0	0	-245
230	260	107	0	0	-216
231	206	184	0	0	-56
232	132	213	0	0	266
233	42	139	0	0	456
234	42	139	0	0	456
235	266	20	48	760	-239

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
236	242	96	55	238	-251
237	204	183	72	121	-215
238	147	248	69	-149	-3
239	68	226	43	0	162
240	68	226	43	0	162
241	121	22	46	1209	-129
242	152	34	96	792	-401
243	175	150	125	788	-733
244	147	323	129	-27	-845
245	150	500	80	0	-899
246	150	500	80	0	-899
247	-378	-246	-7	531	500
248	40	-93	-43	3477	253
249	-130	-19	122	1509	-1296
250	58	429	122	177	-2638
251	275	916	76	0	-2678
252	275	916	76	0	-2678
253	-332	370	0	0	1209
254	-1472	-1323	0	0	-5228
255	-544	-277	0	0	-8269
256	-19	504	0	0	-4305
257	344	1148	0	0	-3735
258	344	1148	0	0	-3735
259	-378	-246	7	-531	500
260	40	-93	43	-3477	253
261	-130	-19	-122	-1509	-1296
262	58	429	-122	-177	-2638
263	275	916	-76	0	-2678
264	275	916	-76	0	-2678
265	121	22	-46	-1209	-129
266	152	34	-96	-792	-401
267	175	150	-125	-788	-733
268	147	323	-129	27	-845
269	150	500	-80	0	-899
270	150	500	-80	0	-899
271	266	20	-48	-760	-239
272	242	96	-55	-238	-251
273	204	183	-72	-121	-215
274	147	248	-69	149	-3
275	68	226	-43	0	162
276	68	226	-43	0	162
277	314	38	0	0	-245
278	260	107	0	0	-216
279	206	184	0	0	-56
280	132	213	0	0	266
281	42	139	0	0	456
282	42	139	0	0	456
283	266	20	48	760	-239
284	242	96	55	238	-251
285	204	183	72	121	-215
286	147	248	69	-149	-3
287	68	226	43	0	162
288	68	226	43	0	162
289	121	22	46	1209	-129
290	152	34	96	792	-401
291	175	150	125	788	-733
292	147	323	129	-27	-845
293	150	500	80	0	-899
294	150	500	80	0	-899
295	-378	-246	-7	531	500
296	40	-93	-43	3477	253
297	-130	-19	122	1509	-1296
298	58	429	122	177	-2638
299	275	916	76	0	-2678
300	275	916	76	0	-2678
301	-332	370	0	0	1209
302	-1472	-1323	0	0	-5228
303	-544	-277	0	0	-8269
304	-19	504	0	0	-4305
305	344	1148	0	0	-3735
306	344	1148	0	0	-3735
307	-378	-246	7	-531	500
308	40	-93	43	-3477	253
309	-130	-19	-122	-1509	-1296
310	58	429	-122	-177	-2638
311	275	916	-76	0	-2678
312	275	916	-76	0	-2678
313	121	22	-46	-1209	-129
314	152	34	-96	-792	-401
315	175	150	-125	-788	-733
316	147	323	-129	27	-845
317	150	500	-80	0	-899
318	150	500	-80	0	-899
319	266	20	-48	-760	-239
320	242	96	-55	-238	-251
321	204	183	-72	-121	-215
322	147	248	-69	149	-3
323	68	226	-43	0	162
324	68	226	-43	0	162
325	314	38	0	0	-245
326	260	107	0	0	-216
327	206	184	0	0	-56
328	132	213	0	0	266



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
329	42	139	0	0	456
330	42	139	0	0	456
331	266	20	48	760	-239
332	242	96	55	238	-251
333	204	183	72	121	-215
334	147	248	69	-149	-3
335	68	226	43	0	162
336	68	226	43	0	162
337	121	22	46	1209	-129
338	152	34	96	792	-401
339	175	150	125	788	-733
340	147	323	129	-27	-845
341	150	500	80	0	-899
342	150	500	80	0	-899
343	-378	-246	-7	531	500
344	40	-93	-43	3477	253
345	-130	-19	122	1509	-1296
346	58	429	122	177	-2638
347	275	916	76	0	-2678
348	275	916	76	0	-2678
349	-332	370	0	0	1209
350	-1472	-1323	0	0	-5228
351	-544	-277	0	0	-8269
352	-19	504	0	0	-4305
353	344	1148	0	0	-3735
354	344	1148	0	0	-3735
355	-378	-246	7	-531	500
356	40	-93	43	-3477	253
357	-130	-19	-122	-1509	-1296
358	58	429	-122	-177	-2638
359	275	916	-76	0	-2678
360	275	916	-76	0	-2678
361	121	22	-46	-1209	-129
362	152	34	-96	-792	-401
363	175	150	-125	-788	-733
364	147	323	-129	27	-845
365	150	500	-80	0	-899
366	150	500	-80	0	-899
367	266	20	-48	-760	-239
368	242	96	-55	-238	-251
369	204	183	-72	-121	-215
370	147	248	-69	149	-3
371	68	226	-43	0	162
372	68	226	-43	0	162
373	314	38	0	0	-245
374	260	107	0	0	-216
375	206	184	0	0	-56
376	132	213	0	0	266
377	42	139	0	0	456
378	42	139	0	0	456
379	266	20	48	760	-239
380	242	96	55	238	-251
381	204	183	72	121	-215
382	147	248	69	-149	-3
383	68	226	43	0	162
384	68	226	43	0	162
385	121	22	46	1209	-129
386	152	34	96	792	-401
387	175	150	125	788	-733
388	147	323	129	-27	-845
389	150	500	80	0	-899
390	150	500	80	0	-899
391	-378	-246	-7	531	500
392	40	-93	-43	3477	253
393	-130	-19	122	1509	-1296
394	58	429	122	177	-2638
395	275	916	76	0	-2678
396	275	916	76	0	-2678
397	-332	370	0	0	1209
398	-1472	-1323	0	0	-5228
399	-544	-277	0	0	-8269
400	-19	504	0	0	-4305
401	344	1148	0	0	-3735
402	344	1148	0	0	-3735
403	-378	-246	7	-531	500
404	40	-93	43	-3477	253
405	-130	-19	-122	-1509	-1296
406	58	429	-122	-177	-2638
407	275	916	-76	0	-2678
408	275	916	-76	0	-2678
409	121	22	-46	-1209	-129
410	152	34	-96	-792	-401
411	175	150	-125	-788	-733
412	147	323	-129	27	-845
413	150	500	-80	0	-899
414	150	500	-80	0	-899
415	266	20	-48	-760	-239
416	242	96	-55	-238	-251
417	204	183	-72	-121	-215
418	147	248	-69	149	-3
419	68	226	-43	0	162
420	68	226	-43	0	162
421	314	38	0	0	-245

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
422	260	107	0	0	-216	
423	206	184	0	0	-56	
424	132	213	0	0	266	
425	42	139	0	0	456	
426	42	139	0	0	456	
427	266	20	48	760	-239	
428	242	96	55	238	-251	
429	204	183	72	121	-215	
430	147	248	69	-149	-3	
431	68	226	43	0	162	
432	68	226	43	0	162	
433	121	22	46	1209	-129	
434	152	34	96	792	-401	
435	175	150	125	788	-733	
436	147	323	129	-27	-845	
437	150	500	80	0	-899	
438	150	500	80	0	-899	
439	-378	-246	-7	531	500	
440	40	-93	-43	3477	252	
441	-130	-19	122	1509	-1296	
442	58	429	122	177	-2638	
443	275	916	76	0	-2678	
444	275	916	76	0	-2678	
445	-332	370	0	0	1209	
446	-1472	-1323	0	0	-5228	
447	-544	-277	0	0	-8269	
448	-19	504	0	0	-4305	
449	344	1148	0	0	-3735	
450	344	1148	0	0	-3735	
451	-378	-246	7	-531	500	
452	40	-93	43	-3477	252	
453	-130	-19	-122	-1509	-1296	
454	58	429	-122	-177	-2638	
455	275	916	-76	0	-2678	
456	275	916	-76	0	-2678	
457	121	22	-46	-1209	-129	
458	152	34	-96	-792	-401	
459	175	150	-125	-788	-733	
460	147	323	-129	27	-845	
461	150	500	-80	0	-899	
462	150	500	-80	0	-899	
463	266	20	-48	-760	-239	
464	242	96	-55	-238	-251	
465	204	183	-72	-121	-215	
466	147	248	-69	149	-3	
467	68	226	-43	0	162	
468	68	226	-43	0	162	
469	314	38	0	0	-245	
470	260	107	0	0	-216	
471	206	184	0	0	-56	
472	132	213	0	0	266	
473	42	139	0	0	456	
474	42	139	0	0	456	
475	266	20	48	760	-239	
476	242	96	55	238	-251	
477	204	183	72	121	-215	
478	147	248	69	-149	-3	
479	68	226	43	0	162	
480	68	226	43	0	162	
481	121	22	47	1210	-129	
482	152	34	96	792	-401	
483	175	150	125	788	-733	
484	147	323	129	-27	-845	
485	150	501	80	0	-899	
486	150	501	80	0	-899	
487	-378	-246	-7	531	500	
488	40	-93	-43	3477	252	
489	-130	-19	122	1508	-1296	
490	58	430	122	176	-2638	
491	275	916	76	0	-2678	
492	275	916	76	0	-2678	
493	-332	370	0	1	1209	
494	-1472	-1323	0	0	-5228	
495	-544	-277	0	0	-8270	
496	-19	504	0	0	-4305	
497	344	1148	0	0	-3735	
498	344	1148	0	0	-3735	
499	-378	-246	8	-530	500	
500	40	-93	44	-3477	252	
501	-130	-19	-122	-1508	-1297	
502	58	430	-121	-177	-2639	
503	275	916	-76	0	-2679	
504	275	916	-76	0	-2679	
505	120	22	-47	-1208	-128	
506	152	34	-96	-790	-402	
507	175	150	-125	-787	-734	
508	147	324	-128	27	-847	
509	150	501	-80	0	-901	
510	150	501	-80	0	-901	
511	265	20	-48	-759	-239	
512	241	95	-55	-235	-251	
513	204	182	-72	-119	-217	
514	147	248	-69	150	-6	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
515	68	227	-43	0	158
516	68	227	-43	0	158
517	311	38	-1	-1	-243
518	259	106	-1	7	-216
519	205	183	-1	6	-60
520	132	213	0	4	259
521	42	140	0	0	449
522	42	140	0	0	449
523	261	19	46	754	-236
524	238	94	53	253	-250
525	202	180	71	133	-220
526	147	247	68	-141	-13
527	68	227	42	0	149
528	68	227	42	0	149
529	110	20	43	1193	-121
530	145	30	92	819	-398
531	171	145	121	809	-739
532	145	319	127	-9	-862
533	150	500	80	0	-920
534	150	500	80	0	-920
535	-397	-249	-14	491	516
536	26	-100	-52	3525	262
537	-139	-30	114	1547	-1303
538	53	420	117	210	-2663
539	273	912	74	0	-2711
540	273	912	74	0	-2711
541	-366	365	-13	-83	1238
542	-1496	-1336	-16	80	-5207
543	-560	-297	-14	65	-8273
544	-29	483	-9	62	-4338
545	340	1134	-4	0	-3781
546	340	1134	-4	0	-3781
547	-434	-255	-16	-694	553
548	-2	-116	16	-3353	295
549	-160	-56	-148	-1405	-1287
550	39	388	-138	-68	-2672
551	265	883	-84	0	-2735
552	265	883	-84	0	-2735
553	32	9	-85	-1511	-40
554	85	-3	-142	-614	-320
555	125	87	-169	-635	-688
556	112	247	-157	205	-862
557	129	430	-95	0	-947
558	129	430	-95	0	-947
559	140	3	-108	-1284	-99
560	140	41	-126	-17	-104
561	123	81	-143	81	-89
562	86	113	-118	425	53
563	25	84	-68	0	176
564	25	84	-68	0	176
565	156	19	-85	-855	-45
566	124	34	-103	201	37
567	85	34	-106	204	240
568	30	-11	-79	389	513
569	-39	-128	-43	0	665
570	-39	-128	-43	0	665
571	125	17	-60	-528	16
572	89	16	-72	219	142
573	45	-15	-71	201	411
574	-10	-101	-49	276	707
575	-76	-255	-26	0	861
576	-76	-255	-26	0	861
577	89	13	-38	-308	66
578	56	-2	-46	173	209
579	15	-53	-44	149	494
580	-36	-159	-29	178	782
581	-98	-326	-15	0	928
582	-98	-326	-15	0	928
583	59	9	-23	-171	101
584	32	-15	-27	114	247
585	-4	-79	-26	93	532
586	-52	-195	-16	101	809
587	-110	-366	-8	0	946
588	-110	-366	-8	0	946
589	40	6	-13	-80	122
590	18	-24	-15	66	266
591	-13	-93	-13	33	547
592	-58	-213	-8	23	818
593	-116	-387	-4	0	954
594	-116	-387	-4	0	954
595	22	1	-6	-7	112
596	9	-30	-8	41	237
597	-9	-100	-7	-7	504
598	-41	-215	0	-92	809
599	-118	-394	3	0	973
600	-118	-394	3	0	973
601	8	7	-6	27	186
602	2	-31	-10	34	353
603	-4	-108	-13	-16	595
604	3	-217	7	-163	669
605	-110	-366	29	0	668
606	-110	-366	29	0	668

## Combinazione n° 2 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	186
2	44	6	17	47	112
3	22	-15	22	-41	237
4	4	-16	18	-34	393
5	85	14	33	215	122
6	50	-2	40	-66	266
7	-2	-78	21	7	504
8	-4	-89	24	16	709
9	9	-57	38	-33	547
10	136	21	58	449	101
11	89	20	69	-114	247
12	37	-19	65	-93	532
13	-38	-195	11	92	839
14	3	-205	2	163	845
15	-43	-172	24	-23	837
16	-21	-122	42	-101	810
17	204	31	96	814	66
18	142	53	113	-173	209
19	82	43	108	-149	494
20	15	-35	70	-178	782
21	-115	-384	4	0	1022
22	-110	-366	-21	0	874
23	-105	-351	12	0	988
24	-88	-295	20	0	973
25	-59	-197	35	0	928
26	283	43	150	1398	16
27	207	98	175	-219	142
28	139	135	168	-201	411
29	69	101	112	-276	707
30	-8	-28	57	0	861
31	-8	-28	57	0	861
32	-8	-28	57	0	861
33	-8	-28	57	0	861
34	-8	-28	57	0	861
35	-8	-28	57	0	861
36	-8	-28	57	0	861
37	349	52	222	2313	-45
38	265	155	253	-201	37
39	200	259	246	-204	240
40	139	302	166	-389	513
41	74	246	87	0	665
42	74	246	87	0	665
43	353	65	304	3593	-99
44	273	216	349	17	-104
45	231	410	327	-81	-89
46	211	573	224	-425	53
47	196	654	117	0	176
48	196	654	117	0	176
49	162	26	401	6133	-40
50	136	279	364	614	-320
51	193	609	390	635	-688
52	251	898	249	-205	-862
53	353	1178	131	0	-947
54	353	1178	131	0	-947
55	-434	-51	294	6819	553
56	-2	349	649	3353	295
57	-77	644	402	1405	-1287
58	288	1285	225	68	-2430
59	503	1675	93	0	-2183
60	503	1675	93	0	-2183
61	-366	365	35	244	13302
62	-1496	-479	41	-80	7836
63	243	2119	38	-65	919
64	376	1631	23	-62	-1328
65	574	1913	11	0	-2125
66	574	1913	11	0	-2125
67	-397	-38	14	-491	516
68	26	387	52	-3525	262
69	-28	710	-114	263	-1303
70	323	1366	-117	310	-2434
71	527	1755	-68	0	-2158
72	527	1755	-68	0	-2158
73	337	52	-43	-1193	-121
74	270	359	-92	-735	-398
75	297	752	-121	-183	-739
76	330	1082	-127	387	-862
77	411	1368	-80	0	-920
78	411	1368	-80	0	-920
79	620	105	-46	-754	-236
80	481	347	-53	-231	-250
81	399	653	-71	-133	-220
82	347	901	-68	237	-13
83	305	1018	-42	0	149
84	305	1018	-42	0	149
85	691	103	2	8	-243
86	535	345	3	-7	-216
87	432	630	2	-6	-60
88	348	834	1	-4	259
89	266	886	0	0	449
90	266	886	0	0	449

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
91	632	107	155	2195	-239
92	489	351	175	235	-251
93	404	659	160	153	-217
94	349	907	112	-150	-6
95	306	1020	60	0	158
96	306	1020	60	0	158
97	364	56	304	5315	-128
98	288	369	251	790	-402
99	310	767	282	787	-734
100	336	1096	178	-27	-847
101	413	1376	96	0	-901
102	413	1376	96	0	-901
103	-378	-30	235	6360	500
104	40	406	579	3477	252
105	-4	740	336	1508	-1297
106	337	1397	183	177	-2385
107	533	1775	76	0	-2090
108	533	1775	76	0	-2090
109	-332	370	0	-1	13223
110	-1472	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035
115	-378	-30	7	-531	500
116	40	406	43	-3424	252
117	-4	740	-122	359	-1296
118	337	1397	-122	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	-47	-1210	-129
122	289	370	-96	-664	-401
123	310	767	-125	-127	-733
124	336	1096	-129	436	-845
125	412	1375	-80	0	-899
126	412	1375	-80	0	-899
127	636	108	-48	-760	-239
128	492	352	-55	-191	-251
129	405	661	-72	-121	-215
130	350	907	-69	262	-3
131	306	1019	-43	0	162
132	306	1019	-43	0	162
133	699	104	0	0	-245
134	541	348	0	0	-216
135	435	634	0	0	-56
136	349	836	0	0	266
137	265	885	0	0	456
138	265	885	0	0	456
139	636	108	154	2194	-239
140	492	352	174	238	-251
141	405	660	159	161	-215
142	350	907	112	-149	-3
143	306	1019	59	0	162
144	306	1019	59	0	162
145	365	56	304	5316	-129
146	289	370	250	792	-401
147	310	767	282	788	-733
148	336	1096	178	-27	-845
149	412	1375	96	0	-899
150	412	1375	96	0	-899
151	-378	-30	235	6362	500
152	40	406	579	3477	253
153	-4	740	336	1509	-1296
154	337	1396	184	177	-2383
155	532	1774	76	0	-2087
156	532	1774	76	0	-2087
157	-332	370	0	0	13223
158	-1472	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-378	-30	7	-531	500
164	40	406	43	-3424	253
165	-4	740	-122	359	-1296
166	337	1396	-122	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087
169	365	56	-46	-1209	-129
170	289	370	-96	-664	-401
171	310	767	-125	-127	-733
172	336	1096	-129	436	-845
173	412	1375	-80	0	-899
174	412	1375	-80	0	-899
175	636	108	-48	-760	-239
176	492	352	-55	-191	-251
177	405	660	-72	-121	-215
178	350	907	-69	262	-3
179	306	1019	-43	0	162
180	306	1019	-43	0	162
181	699	104	0	0	-245
182	541	348	0	0	-216
183	435	634	0	0	-56

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
184	349	836	0	0	266
185	265	885	0	0	456
186	265	885	0	0	456
187	636	108	154	2194	-239
188	492	352	174	238	-251
189	405	660	159	161	-215
190	350	907	112	-149	-3
191	306	1019	59	0	162
192	306	1019	59	0	162
193	365	56	304	5316	-129
194	289	370	250	792	-401
195	310	767	282	788	-733
196	336	1096	178	-27	-845
197	412	1375	96	0	-899
198	412	1375	96	0	-899
199	-378	-30	235	6362	500
200	40	406	579	3477	253
201	-4	740	336	1509	-1296
202	337	1396	184	177	-2383
203	532	1774	76	0	-2087
204	532	1774	76	0	-2087
205	-332	370	0	0	13223
206	-1472	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-378	-30	7	-531	500
212	40	406	43	-3424	253
213	-4	740	-122	359	-1296
214	337	1396	-122	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	-46	-1209	-129
218	289	370	-96	-664	-401
219	310	767	-125	-127	-733
220	336	1096	-129	436	-845
221	412	1375	-80	0	-899
222	412	1375	-80	0	-899
223	636	108	-48	-760	-239
224	492	352	-55	-191	-251
225	405	660	-72	-121	-215
226	350	907	-69	262	-3
227	306	1019	-43	0	162
228	306	1019	-43	0	162
229	699	104	0	0	-245
230	541	348	0	0	-216
231	435	634	0	0	-56
232	349	836	0	0	266
233	265	885	0	0	456
234	265	885	0	0	456
235	636	108	154	2194	-239
236	492	352	174	238	-251
237	405	660	159	161	-215
238	350	907	112	-149	-3
239	306	1019	59	0	162
240	306	1019	59	0	162
241	365	56	304	5316	-129
242	289	370	250	792	-401
243	310	767	282	788	-733
244	336	1096	178	-27	-845
245	412	1375	96	0	-899
246	412	1375	96	0	-899
247	-378	-30	235	6362	500
248	40	406	579	3477	253
249	-4	740	336	1509	-1296
250	337	1396	184	177	-2383
251	532	1774	76	0	-2087
252	532	1774	76	0	-2087
253	-332	370	0	0	13223
254	-1472	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-378	-30	7	-531	500
260	40	406	43	-3424	253
261	-4	740	-122	359	-1296
262	337	1396	-122	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	-46	-1209	-129
266	289	370	-96	-664	-401
267	310	767	-125	-127	-733
268	336	1096	-129	436	-845
269	412	1375	-80	0	-899
270	412	1375	-80	0	-899
271	636	108	-48	-760	-239
272	492	352	-55	-191	-251
273	405	660	-72	-121	-215
274	350	907	-69	262	-3
275	306	1019	-43	0	162
276	306	1019	-43	0	162

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
277	699	104	0	0	-245	
278	541	348	0	0	-216	
279	435	634	0	0	-56	
280	349	836	0	0	266	
281	265	885	0	0	456	
282	265	885	0	0	456	
283	636	108	154	2194	-239	
284	492	352	174	238	-251	
285	405	660	159	161	-215	
286	350	907	112	-149	-3	
287	306	1019	59	0	162	
288	306	1019	59	0	162	
289	365	56	304	5316	-129	
290	289	370	250	792	-401	
291	310	767	282	788	-733	
292	336	1096	178	-27	-845	
293	412	1375	96	0	-899	
294	412	1375	96	0	-899	
295	-378	-30	235	6362	500	
296	40	406	579	3477	253	
297	-4	740	336	1509	-1296	
298	337	1396	184	177	-2383	
299	532	1774	76	0	-2087	
300	532	1774	76	0	-2087	
301	-332	370	0	0	13223	
302	-1472	-445	0	0	7774	
303	285	2174	0	0	911	
304	403	1691	0	0	-1268	
305	588	1959	0	0	-2033	
306	588	1959	0	0	-2033	
307	-378	-30	7	-531	500	
308	40	406	43	-3424	253	
309	-4	740	-122	359	-1296	
310	337	1396	-122	400	-2383	
311	532	1774	-73	0	-2087	
312	532	1774	-73	0	-2087	
313	365	56	-46	-1209	-129	
314	289	370	-96	-664	-401	
315	310	767	-125	-127	-733	
316	336	1096	-129	436	-845	
317	412	1375	-80	0	-899	
318	412	1375	-80	0	-899	
319	636	108	-48	-760	-239	
320	492	352	-55	-191	-251	
321	405	660	-72	-121	-215	
322	350	907	-69	262	-3	
323	306	1019	-43	0	162	
324	306	1019	-43	0	162	
325	699	104	0	0	-245	
326	541	348	0	0	-216	
327	435	634	0	0	-56	
328	349	836	0	0	266	
329	265	885	0	0	456	
330	265	885	0	0	456	
331	636	108	154	2194	-239	
332	492	352	174	238	-251	
333	405	660	159	161	-215	
334	350	907	112	-149	-3	
335	306	1019	59	0	162	
336	306	1019	59	0	162	
337	365	56	304	5316	-129	
338	289	370	250	792	-401	
339	310	767	282	788	-733	
340	336	1096	178	-27	-845	
341	412	1375	96	0	-899	
342	412	1375	96	0	-899	
343	-378	-30	235	6362	500	
344	40	406	579	3477	253	
345	-4	740	336	1509	-1296	
346	337	1396	184	177	-2383	
347	532	1774	76	0	-2087	
348	532	1774	76	0	-2087	
349	-332	370	0	0	13223	
350	-1472	-445	0	0	7774	
351	285	2174	0	0	911	
352	403	1691	0	0	-1268	
353	588	1959	0	0	-2033	
354	588	1959	0	0	-2033	
355	-378	-30	7	-531	500	
356	40	406	43	-3424	253	
357	-4	740	-122	359	-1296	
358	337	1396	-122	400	-2383	
359	532	1774	-73	0	-2087	
360	532	1774	-73	0	-2087	
361	365	56	-46	-1209	-129	
362	289	370	-96	-664	-401	
363	310	767	-125	-127	-733	
364	336	1096	-129	436	-845	
365	412	1375	-80	0	-899	
366	412	1375	-80	0	-899	
367	636	108	-48	-760	-239	
368	492	352	-55	-191	-251	
369	405	660	-72	-121	-215	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
370	350	907	-69	262	-3
371	306	1019	-43	0	162
372	306	1019	-43	0	162
373	699	104	0	0	-245
374	541	348	0	0	-216
375	435	634	0	0	-56
376	349	836	0	0	266
377	265	885	0	0	456
378	265	885	0	0	456
379	636	108	154	2194	-239
380	492	352	174	238	-251
381	405	660	159	161	-215
382	350	907	112	-149	-3
383	306	1019	59	0	162
384	306	1019	59	0	162
385	365	56	304	5316	-129
386	289	370	250	792	-401
387	310	767	282	788	-733
388	336	1096	178	-27	-845
389	412	1375	96	0	-899
390	412	1375	96	0	-899
391	-378	-30	235	6362	500
392	40	406	579	3477	253
393	-4	740	336	1509	-1296
394	337	1396	184	177	-2383
395	532	1774	76	0	-2087
396	532	1774	76	0	-2087
397	-332	370	0	0	13223
398	-1472	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-378	-30	7	-531	500
404	40	406	43	-3424	253
405	-4	740	-122	359	-1296
406	337	1396	-122	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087
409	365	56	-46	-1209	-129
410	289	370	-96	-664	-401
411	310	767	-125	-127	-733
412	336	1096	-129	436	-845
413	412	1375	-80	0	-899
414	412	1375	-80	0	-899
415	636	108	-48	-760	-239
416	492	352	-55	-191	-251
417	405	660	-72	-121	-215
418	350	907	-69	262	-3
419	306	1019	-43	0	162
420	306	1019	-43	0	162
421	699	104	0	0	-245
422	541	348	0	0	-216
423	435	634	0	0	-56
424	349	836	0	0	266
425	265	885	0	0	456
426	265	885	0	0	456
427	636	108	154	2194	-239
428	492	352	174	238	-251
429	405	660	159	161	-215
430	350	907	112	-149	-3
431	306	1019	59	0	162
432	306	1019	59	0	162
433	365	56	304	5316	-129
434	289	370	250	792	-401
435	310	767	282	788	-733
436	336	1096	178	-27	-845
437	412	1375	96	0	-899
438	412	1375	96	0	-899
439	-378	-30	235	6362	500
440	40	406	579	3477	253
441	-4	740	336	1509	-1296
442	337	1396	184	177	-2383
443	532	1774	76	0	-2087
444	532	1774	76	0	-2087
445	-332	370	0	0	13223
446	-1472	-445	0	0	7774
447	285	2174	0	0	911
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-378	-30	7	-531	500
452	40	406	43	-3424	253
453	-4	740	-122	359	-1296
454	337	1396	-122	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	-46	-1209	-129
458	289	370	-96	-664	-401
459	310	767	-125	-127	-733
460	336	1096	-129	436	-845
461	412	1375	-80	0	-899
462	412	1375	-80	0	-899



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
463	636	108	-48	-760	-239
464	492	352	-55	-191	-251
465	405	660	-72	-121	-215
466	350	907	-69	261	-3
467	306	1019	-43	0	162
468	306	1019	-43	0	162
469	699	104	0	0	-245
470	541	348	0	0	-216
471	435	634	0	0	-56
472	349	836	0	0	266
473	265	885	0	0	456
474	265	885	0	0	456
475	636	108	154	2194	-239
476	492	352	174	238	-251
477	405	661	159	161	-215
478	350	907	112	-149	-3
479	306	1019	59	0	162
480	306	1019	59	0	162
481	365	56	304	5316	-129
482	289	370	251	792	-401
483	310	767	282	788	-733
484	336	1096	178	-27	-845
485	412	1375	96	0	-899
486	412	1375	96	0	-899
487	-378	-30	235	6363	500
488	40	406	579	3477	252
489	-4	740	336	1508	-1296
490	337	1397	184	176	-2383
491	532	1775	76	0	-2088
492	532	1775	76	0	-2088
493	-332	370	0	1	13223
494	-1472	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	588	1960	0	0	-2035
498	588	1960	0	0	-2035
499	-378	-30	8	-530	500
500	40	406	44	-3422	252
501	-4	740	-122	361	-1297
502	337	1397	-121	400	-2385
503	533	1775	-73	0	-2090
504	533	1775	-73	0	-2090
505	364	56	-47	-1208	-128
506	288	369	-96	-659	-402
507	310	767	-125	-123	-734
508	336	1096	-128	438	-847
509	413	1376	-80	0	-901
510	413	1376	-80	0	-901
511	632	107	-48	-759	-239
512	489	351	-55	-180	-251
513	404	659	-72	-119	-217
514	349	907	-69	267	-6
515	306	1020	-43	0	158
516	306	1020	-43	0	158
517	691	103	-1	-1	-243
518	535	345	-1	21	-216
519	432	630	-1	16	-60
520	348	834	0	12	259
521	266	886	0	0	449
522	266	886	0	0	449
523	620	105	149	2169	-236
524	481	347	168	253	-250
525	399	653	154	192	-220
526	347	901	109	-141	-13
527	305	1018	58	0	149
528	305	1018	58	0	149
529	337	52	294	5258	-121
530	270	359	238	819	-398
531	297	752	271	809	-739
532	330	1082	172	-9	-862
533	411	1368	94	0	-920
534	411	1368	94	0	-920
535	-397	-38	215	6238	516
536	26	387	556	3543	262
537	-28	710	316	1547	-1303
538	323	1366	171	210	-2434
539	527	1755	74	0	-2158
540	527	1755	74	0	-2158
541	-366	365	-13	-83	13302
542	-1496	-479	-16	191	7836
543	243	2119	-14	156	919
544	376	1631	-9	157	-1328
545	574	1913	-4	0	-2125
546	574	1913	-4	0	-2125
547	-434	-51	-16	-694	553
548	-2	349	16	-3135	295
549	-77	644	-148	598	-1287
550	288	1285	-138	659	-2430
551	503	1675	-84	0	-2183
552	503	1675	-84	0	-2183
553	162	26	-85	-1511	-40
554	136	279	-142	-262	-320
555	193	609	-169	211	-688

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
556	251	898	-157	841	-862
557	353	1178	-95	0	-947
558	353	1178	-95	0	-947
559	353	65	-108	-1284	-99
560	273	216	-126	311	-104
561	231	410	-143	266	-89
562	211	573	-118	849	53
563	196	654	-68	0	176
564	196	654	-68	0	176
565	349	52	-85	-855	-45
566	265	155	-103	523	37
567	200	259	-106	455	240
568	139	302	-79	754	513
569	74	246	-43	0	665
570	74	246	-43	0	665
571	283	43	-60	-528	16
572	207	98	-72	501	142
573	139	135	-71	427	411
574	69	101	-49	588	707
575	-8	-28	-26	0	861
576	-8	-28	-26	0	861
577	204	31	-38	-308	66
578	142	53	-46	401	209
579	82	43	-44	337	494
580	15	-35	-29	406	782
581	-59	-197	-15	0	928
582	-59	-197	-15	0	928
583	136	21	-23	-171	101
584	89	20	-27	284	247
585	37	-19	-26	234	532
586	-21	-122	-16	259	810
587	-88	-295	-8	0	973
588	-88	-295	-8	0	973
589	85	14	-13	-80	122
590	50	-2	-15	187	266
591	9	-57	-13	133	547
592	-43	-172	-8	130	837
593	-105	-351	-4	0	988
594	-105	-351	-4	0	988
595	44	6	-6	-7	112
596	22	-15	-8	115	237
597	-2	-78	-7	50	504
598	-38	-195	0	-32	839
599	-115	-384	3	0	1022
600	-115	-384	3	0	1022
601	18	16	-6	27	186
602	4	-16	-10	84	393
603	-4	-89	-13	18	709
604	3	-205	7	-128	845
605	-110	-366	29	0	874
606	-110	-366	29	0	874

Combinazione n° 3 - STR (A1-M1-R3) H + V

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	186
2	44	6	17	47	125
3	22	-15	22	5	237
4	4	-16	18	-2	393
5	85	14	33	215	139
6	50	-2	40	9	266
7	-2	-78	21	40	504
8	-4	-89	24	35	709
9	9	-57	38	27	547
10	136	21	58	449	140
11	89	20	69	-7	267
12	37	-19	65	-4	532
13	-38	-195	11	116	839
14	4	-200	2	165	845
15	-43	-172	24	40	837
16	-21	-122	42	-1	810
17	204	31	96	814	139
18	142	53	113	-29	266
19	82	43	108	-31	503
20	15	-35	70	-33	782
21	-107	-356	4	0	1022
22	-95	-317	-21	0	874
23	-105	-351	12	0	988
24	-88	-295	20	0	973
25	-59	-197	35	0	928
26	283	43	150	1398	139
27	207	98	175	-40	260
28	139	135	168	-59	487
29	69	101	112	-80	713
30	-8	-28	57	0	861
31	-8	-28	57	0	861
32	-8	-28	57	0	861
33	-8	-28	57	0	861
34	-8	-28	57	0	861
35	-8	-28	57	0	861
36	-8	-28	57	0	861

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
37	349	52	222	2313	153
38	265	155	253	7	241
39	200	259	246	-45	425
40	139	302	166	-163	637
41	74	246	87	0	753
42	74	246	87	0	753
43	353	65	304	3593	242
44	273	216	349	244	260
45	231	410	327	42	228
46	211	573	224	-161	300
47	196	654	117	0	422
48	196	654	117	0	422
49	162	26	401	6133	336
50	136	279	364	895	66
51	193	609	390	1256	-241
52	251	898	249	218	-553
53	353	1178	131	0	-828
54	353	1178	131	0	-828
55	-253	-51	294	6819	3377
56	46	349	649	3718	3293
57	-77	644	402	2870	181
58	288	1285	225	573	-2430
59	503	1675	93	0	-2183
60	503	1675	93	0	-2183
61	443	904	35	244	13302
62	-1496	-479	41	-8	7836
63	243	2119	38	-7	919
64	376	1631	23	-1	-1328
65	574	1913	11	0	-2125
66	574	1913	11	0	-2125
67	-246	-38	173	3424	3376
68	52	387	472	-3525	3296
69	-28	710	17	263	192
70	323	1366	-88	310	-2434
71	527	1755	-68	0	-2158
72	527	1755	-68	0	-2158
73	337	52	126	1522	334
74	270	359	3	-735	70
75	297	752	-27	-183	-223
76	330	1082	-103	387	-517
77	411	1368	-75	0	-782
78	411	1368	-75	0	-782
79	620	105	22	169	241
80	481	347	23	-231	259
81	399	653	-18	-100	235
82	347	901	-44	237	333
83	305	1018	-34	0	474
84	305	1018	-34	0	474
85	691	103	2	8	165
86	535	345	3	2	222
87	432	630	2	1	371
88	348	834	1	2	596
89	266	886	0	0	729
90	266	886	0	0	729
91	632	107	155	2195	242
92	489	351	175	288	261
93	404	659	160	153	236
94	349	907	112	-80	334
95	306	1020	60	0	475
96	306	1020	60	0	475
97	364	56	304	5315	336
98	288	369	251	932	73
99	310	767	282	1293	-219
100	336	1096	178	254	-513
101	413	1376	96	0	-778
102	413	1376	96	0	-778
103	-247	-30	235	6360	3379
104	51	406	579	3738	3300
105	-4	740	336	2889	199
106	337	1397	183	584	-2385
107	533	1775	83	0	-2090
108	533	1775	83	0	-2090
109	445	904	0	0	13223
110	-1472	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035
115	-247	-30	174	3440	3379
116	51	406	473	-3424	3300
117	-4	740	18	359	199
118	337	1397	-87	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	127	1533	336
122	289	370	4	-664	73
123	310	767	-26	-127	-219
124	336	1096	-103	436	-513
125	412	1375	-75	0	-778
126	412	1375	-75	0	-778
127	636	108	22	176	242
128	492	352	24	-191	261
129	405	661	-17	-102	237

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
130	350	907	-44	262	334
131	306	1019	-34	0	475
132	306	1019	-34	0	475
133	699	104	0	0	166
134	541	348	0	0	223
135	435	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729
139	636	108	154	2194	242
140	492	352	174	286	261
141	405	660	159	161	237
142	350	907	112	-81	334
143	306	1019	59	0	475
144	306	1019	59	0	475
145	365	56	304	5316	336
146	289	370	250	931	73
147	310	767	282	1292	-219
148	336	1096	178	253	-513
149	412	1375	96	0	-778
150	412	1375	96	0	-778
151	-247	-30	235	6362	3379
152	51	406	579	3738	3300
153	-4	740	336	2888	199
154	337	1396	184	584	-2383
155	532	1774	83	0	-2087
156	532	1774	83	0	-2087
157	445	904	0	0	13223
158	-1472	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-247	-30	174	3440	3379
164	51	406	474	-3424	3300
165	-4	740	18	359	199
166	337	1396	-87	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087
169	365	56	127	1533	336
170	289	370	4	-664	73
171	310	767	-26	-127	-219
172	336	1096	-103	436	-513
173	412	1375	-75	0	-778
174	412	1375	-75	0	-778
175	636	108	22	176	242
176	492	352	24	-191	261
177	405	660	-17	-102	237
178	350	907	-44	262	334
179	306	1019	-34	0	475
180	306	1019	-34	0	475
181	699	104	0	0	166
182	541	348	0	0	223
183	435	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	492	352	174	286	261
189	405	660	159	161	237
190	350	907	112	-81	334
191	306	1019	59	0	475
192	306	1019	59	0	475
193	365	56	304	5316	336
194	289	370	250	931	73
195	310	767	282	1292	-219
196	336	1096	178	253	-513
197	412	1375	96	0	-778
198	412	1375	96	0	-778
199	-247	-30	235	6362	3379
200	51	406	579	3738	3300
201	-4	740	336	2888	199
202	337	1396	184	584	-2383
203	532	1774	83	0	-2087
204	532	1774	83	0	-2087
205	445	904	0	0	13223
206	-1472	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-247	-30	174	3440	3379
212	51	406	474	-3424	3300
213	-4	740	18	359	199
214	337	1396	-87	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	127	1533	336
218	289	370	4	-664	73
219	310	767	-26	-127	-219
220	336	1096	-103	436	-513
221	412	1375	-75	0	-778
222	412	1375	-75	0	-778

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
223	636	108	22	176	242
224	492	352	24	-191	261
225	405	660	-17	-102	237
226	350	907	-44	262	334
227	306	1019	-34	0	475
228	306	1019	-34	0	475
229	699	104	0	0	166
230	541	348	0	0	223
231	435	634	0	0	372
232	349	836	0	0	597
233	265	885	0	0	729
234	265	885	0	0	729
235	636	108	154	2194	242
236	492	352	174	286	261
237	405	660	159	161	237
238	350	907	112	-81	334
239	306	1019	59	0	475
240	306	1019	59	0	475
241	365	56	304	5316	336
242	289	370	250	931	73
243	310	767	282	1292	-219
244	336	1096	178	253	-513
245	412	1375	96	0	-778
246	412	1375	96	0	-778
247	-247	-30	235	6362	3379
248	51	406	579	3738	3300
249	-4	740	336	2888	199
250	337	1396	184	584	-2383
251	532	1774	83	0	-2087
252	532	1774	83	0	-2087
253	445	904	0	0	13223
254	-1472	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-247	-30	174	3440	3379
260	51	406	474	-3424	3300
261	-4	740	18	359	199
262	337	1396	-87	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	127	1533	336
266	289	370	4	-664	73
267	310	767	-26	-127	-219
268	336	1096	-103	436	-513
269	412	1375	-75	0	-778
270	412	1375	-75	0	-778
271	636	108	22	176	242
272	492	352	24	-191	261
273	405	660	-17	-102	237
274	350	907	-44	262	334
275	306	1019	-34	0	475
276	306	1019	-34	0	475
277	699	104	0	0	166
278	541	348	0	0	223
279	435	634	0	0	372
280	349	836	0	0	597
281	265	885	0	0	729
282	265	885	0	0	729
283	636	108	154	2194	242
284	492	352	174	286	261
285	405	660	159	161	237
286	350	907	112	-81	334
287	306	1019	59	0	475
288	306	1019	59	0	475
289	365	56	304	5316	336
290	289	370	250	931	73
291	310	767	282	1292	-219
292	336	1096	178	253	-513
293	412	1375	96	0	-778
294	412	1375	96	0	-778
295	-247	-30	235	6362	3379
296	51	406	579	3738	3300
297	-4	740	336	2888	199
298	337	1396	184	584	-2383
299	532	1774	83	0	-2087
300	532	1774	83	0	-2087
301	445	904	0	0	13223
302	-1472	-445	0	0	7774
303	285	2174	0	0	911
304	403	1691	0	0	-1268
305	588	1959	0	0	-2033
306	588	1959	0	0	-2033
307	-247	-30	174	3440	3379
308	51	406	474	-3424	3300
309	-4	740	18	359	199
310	337	1396	-87	400	-2383
311	532	1774	-73	0	-2087
312	532	1774	-73	0	-2087
313	365	56	127	1533	336
314	289	370	4	-664	73
315	310	767	-26	-127	-219

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
316	336	1096	-103	436	-513
317	412	1375	-75	0	-778
318	412	1375	-75	0	-778
319	636	108	22	176	242
320	492	352	24	-191	261
321	405	660	-17	-102	237
322	350	907	-44	262	334
323	306	1019	-34	0	475
324	306	1019	-34	0	475
325	699	104	0	0	166
326	541	348	0	0	223
327	435	634	0	0	372
328	349	836	0	0	597
329	265	885	0	0	729
330	265	885	0	0	729
331	636	108	154	2194	242
332	492	352	174	286	261
333	405	660	159	161	237
334	350	907	112	-81	334
335	306	1019	59	0	475
336	306	1019	59	0	475
337	365	56	304	5316	336
338	289	370	250	931	73
339	310	767	282	1292	-219
340	336	1096	178	253	-513
341	412	1375	96	0	-778
342	412	1375	96	0	-778
343	-247	-30	235	6362	3379
344	51	406	579	3738	3300
345	-4	740	336	2888	199
346	337	1396	184	584	-2383
347	532	1774	83	0	-2087
348	532	1774	83	0	-2087
349	445	904	0	0	13223
350	-1472	-445	0	0	7774
351	285	2174	0	0	911
352	403	1691	0	0	-1268
353	588	1959	0	0	-2033
354	588	1959	0	0	-2033
355	-247	-30	174	3440	3379
356	51	406	474	-3424	3300
357	-4	740	18	359	199
358	337	1396	-87	400	-2383
359	532	1774	-73	0	-2087
360	532	1774	-73	0	-2087
361	365	56	127	1533	336
362	289	370	4	-664	73
363	310	767	-26	-127	-219
364	336	1096	-103	436	-513
365	412	1375	-75	0	-778
366	412	1375	-75	0	-778
367	636	108	22	176	242
368	492	352	24	-191	261
369	405	660	-17	-102	237
370	350	907	-44	262	334
371	306	1019	-34	0	475
372	306	1019	-34	0	475
373	699	104	0	0	166
374	541	348	0	0	223
375	435	634	0	0	372
376	349	836	0	0	597
377	265	885	0	0	729
378	265	885	0	0	729
379	636	108	154	2194	242
380	492	352	174	286	261
381	405	660	159	161	237
382	350	907	112	-81	334
383	306	1019	59	0	475
384	306	1019	59	0	475
385	365	56	304	5316	336
386	289	370	250	931	73
387	310	767	282	1292	-219
388	336	1096	178	253	-513
389	412	1375	96	0	-778
390	412	1375	96	0	-778
391	-247	-30	235	6362	3379
392	51	406	579	3738	3300
393	-4	740	336	2888	199
394	337	1396	184	584	-2383
395	532	1774	83	0	-2087
396	532	1774	83	0	-2087
397	445	904	0	0	13223
398	-1472	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-247	-30	174	3440	3379
404	51	406	474	-3424	3300
405	-4	740	18	359	199
406	337	1396	-87	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
409	365	56	127	1533	336
410	289	370	4	-664	73
411	310	767	-26	-127	-219
412	336	1096	-103	436	-513
413	412	1375	-75	0	-778
414	412	1375	-75	0	-778
415	636	108	22	176	242
416	492	352	24	-191	261
417	405	660	-17	-102	237
418	350	907	-44	262	334
419	306	1019	-34	0	475
420	306	1019	-34	0	475
421	699	104	0	0	166
422	541	348	0	0	223
423	435	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	492	352	174	286	261
429	405	660	159	161	237
430	350	907	112	-81	334
431	306	1019	59	0	475
432	306	1019	59	0	475
433	365	56	304	5316	336
434	289	370	250	931	73
435	310	767	282	1292	-219
436	336	1096	178	253	-513
437	412	1375	96	0	-778
438	412	1375	96	0	-778
439	-247	-30	235	6362	3379
440	51	406	579	3737	3300
441	-4	740	336	2888	199
442	337	1396	184	584	-2383
443	532	1774	83	0	-2087
444	532	1774	83	0	-2087
445	445	904	0	0	13223
446	-1472	-445	0	0	7774
447	285	2174	0	0	910
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-247	-30	174	3440	3379
452	51	406	474	-3424	3300
453	-4	740	18	359	199
454	337	1396	-87	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	127	1533	336
458	289	370	4	-664	73
459	310	767	-26	-127	-219
460	336	1096	-103	436	-513
461	412	1375	-75	0	-778
462	412	1375	-75	0	-778
463	636	108	22	176	242
464	492	352	24	-191	261
465	405	660	-17	-102	237
466	350	907	-44	261	334
467	306	1019	-34	0	475
468	306	1019	-34	0	475
469	699	104	0	0	166
470	541	348	0	0	223
471	435	634	0	0	372
472	349	836	0	0	597
473	265	885	0	0	729
474	265	885	0	0	729
475	636	108	154	2194	242
476	492	352	174	286	261
477	405	661	159	161	237
478	350	907	112	-81	334
479	306	1019	59	0	475
480	306	1019	59	0	475
481	365	56	304	5316	336
482	289	370	251	931	73
483	310	767	282	1292	-219
484	336	1096	178	253	-513
485	412	1375	96	0	-778
486	412	1375	96	0	-778
487	-247	-30	235	6363	3379
488	51	406	579	3737	3300
489	-4	740	336	2888	199
490	337	1397	184	584	-2383
491	532	1775	83	0	-2088
492	532	1775	83	0	-2088
493	445	904	0	1	13223
494	-1472	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	588	1960	0	0	-2035
498	588	1960	0	0	-2035
499	-247	-30	174	3440	3379
500	51	406	474	-3422	3300
501	-4	740	18	361	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
502	337	1397	-87	400	-2385
503	533	1775	-73	0	-2090
504	533	1775	-73	0	-2090
505	364	56	127	1534	336
506	288	369	5	-659	73
507	310	767	-25	-123	-219
508	336	1096	-102	438	-513
509	413	1376	-75	0	-778
510	413	1376	-75	0	-778
511	632	107	23	178	242
512	489	351	24	-180	261
513	404	659	-17	-103	236
514	349	907	-43	267	334
515	306	1020	-34	0	475
516	306	1020	-34	0	475
517	691	103	0	4	165
518	535	345	1	21	222
519	432	630	1	16	371
520	348	834	0	12	596
521	266	886	0	0	729
522	266	886	0	0	729
523	620	105	149	2169	241
524	481	347	168	285	259
525	399	653	154	192	235
526	347	901	109	-84	333
527	305	1018	58	0	474
528	305	1018	58	0	474
529	337	52	294	5258	334
530	270	359	238	930	70
531	297	752	271	1291	-223
532	330	1082	172	250	-517
533	411	1368	94	0	-782
534	411	1368	94	0	-782
535	-246	-38	215	6238	3376
536	52	387	556	3740	3296
537	-28	710	316	2889	192
538	323	1366	171	581	-2434
539	527	1755	83	0	-2158
540	527	1755	83	0	-2158
541	443	904	1	22	13302
542	-1496	-479	1	191	7836
543	243	2119	1	156	919
544	376	1631	1	157	-1328
545	574	1913	1	0	-2125
546	574	1913	1	0	-2125
547	-253	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	288	1285	-87	659	-2430
551	503	1675	-83	0	-2183
552	503	1675	-83	0	-2183
553	162	26	127	1567	336
554	136	279	2	-262	66
555	193	609	-29	211	-241
556	251	898	-105	841	-553
557	353	1178	-76	0	-828
558	353	1178	-76	0	-828
559	353	65	21	219	242
560	273	216	19	311	260
561	231	410	-26	266	228
562	211	573	-53	849	300
563	196	654	-39	0	422
564	196	654	-39	0	422
565	349	52	4	92	153
566	265	155	-7	523	241
567	200	259	-17	455	425
568	139	302	-24	754	637
569	74	246	-15	0	753
570	74	246	-15	0	753
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	427	487
574	69	101	-9	588	713
575	-8	-28	-5	0	861
576	-8	-28	-5	0	861
577	204	31	-1	23	139
578	142	53	-3	401	266
579	82	43	-3	337	503
580	15	-35	-3	406	782
581	-59	-197	-2	0	928
582	-59	-197	-2	0	928
583	136	21	0	12	140
584	89	20	0	284	267
585	37	-19	0	234	532
586	-21	-122	0	259	810
587	-88	-295	0	0	973
588	-88	-295	0	0	973
589	85	14	1	8	139
590	50	-2	2	187	266
591	9	-57	2	133	547
592	-43	-172	3	130	837
593	-105	-351	1	0	988
594	-105	-351	1	0	988



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
595	44	6	0	18	125
596	22	-15	1	115	237
597	-2	-78	3	50	504
598	-38	-195	7	-32	839
599	-107	-356	7	0	1022
600	-107	-356	7	0	1022
601	18	16	-2	27	186
602	4	-16	-4	84	393
603	-4	-89	-6	18	709
604	4	-200	12	-128	845
605	-95	-317	30	0	874
606	-95	-317	30	0	874

## Combinazione n° 4 - STR (A1-M1-R3) H - V

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	186
2	44	6	17	47	125
3	22	-15	22	5	237
4	4	-16	18	-2	393
5	85	14	33	215	139
6	50	-2	40	9	266
7	-2	-78	21	40	504
8	-4	-89	24	35	709
9	9	-57	38	27	547
10	136	21	58	449	140
11	89	20	69	-7	267
12	37	-19	65	-4	532
13	-38	-195	11	116	839
14	4	-199	2	165	845
15	-43	-172	24	40	837
16	-21	-122	42	-1	810
17	204	31	96	814	139
18	142	53	113	-29	266
19	82	43	108	-31	503
20	15	-35	70	-33	782
21	-107	-355	4	0	1022
22	-95	-317	-21	0	874
23	-105	-351	12	0	988
24	-88	-295	20	0	973
25	-59	-197	35	0	928
26	283	43	150	1398	139
27	207	98	175	-40	260
28	139	135	168	-59	487
29	69	101	112	-80	713
30	-8	-28	57	0	861
31	-8	-28	57	0	861
32	-8	-28	57	0	861
33	-8	-28	57	0	861
34	-8	-28	57	0	861
35	-8	-28	57	0	861
36	-8	-28	57	0	861
37	349	52	222	2313	153
38	265	155	253	7	241
39	200	259	246	-45	425
40	139	302	166	-161	637
41	74	246	87	0	753
42	74	246	87	0	753
43	353	65	304	3593	242
44	273	216	349	244	260
45	231	410	327	42	229
46	211	573	224	-161	316
47	196	654	117	0	435
48	196	654	117	0	435
49	162	26	401	6133	336
50	136	279	364	895	66
51	193	609	390	1256	-203
52	251	898	249	218	-459
53	353	1178	131	0	-688
54	353	1178	131	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	3718	3293
57	-77	644	402	2870	181
58	288	1285	225	573	-2430
59	503	1675	93	0	-2183
60	503	1675	93	0	-2183
61	443	904	35	244	13302
62	-1387	-479	41	-8	7836
63	243	2119	38	-7	919
64	376	1631	23	-1	-1328
65	574	1913	11	0	-2125
66	574	1913	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192
70	323	1366	-81	310	-2434
71	527	1755	-68	0	-2158
72	527	1755	-68	0	-2158
73	337	52	126	1522	334
74	270	359	3	-735	70
75	297	752	-27	-183	-191

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
76	330	1082	-95	387	-429
77	411	1368	-68	0	-648
78	411	1368	-68	0	-648
79	620	105	22	169	241
80	481	347	23	-231	259
81	399	653	-18	-93	235
82	347	901	-41	237	340
83	305	1018	-31	0	477
84	305	1018	-31	0	477
85	691	103	2	8	165
86	535	345	3	2	222
87	432	630	2	1	371
88	348	834	1	2	596
89	266	886	0	0	729
90	266	886	0	0	729
91	632	107	155	2195	242
92	489	351	175	288	261
93	404	659	160	153	236
94	349	907	112	-76	341
95	306	1020	60	0	479
96	306	1020	60	0	479
97	364	56	304	5315	336
98	288	369	251	932	73
99	310	767	282	1293	-187
100	336	1096	178	254	-424
101	413	1376	96	0	-643
102	413	1376	96	0	-643
103	-231	-30	235	6360	3379
104	51	406	579	3738	3300
105	-4	740	336	2889	199
106	337	1397	183	584	-2385
107	533	1775	83	0	-2090
108	533	1775	83	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	911
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035
115	-231	-30	174	3440	3379
116	51	406	473	-3366	3300
117	-4	740	18	359	199
118	337	1397	-81	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	127	1533	336
122	289	370	4	-664	73
123	310	767	-26	-127	-187
124	336	1096	-94	436	-424
125	412	1375	-68	0	-643
126	412	1375	-68	0	-643
127	636	108	22	176	242
128	492	352	24	-191	261
129	405	661	-17	-93	237
130	350	907	-41	262	342
131	306	1019	-31	0	479
132	306	1019	-31	0	479
133	699	104	0	0	166
134	541	348	0	0	223
135	435	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729
139	636	108	154	2194	242
140	492	352	174	286	261
141	405	660	159	161	237
142	350	907	112	-77	342
143	306	1019	59	0	479
144	306	1019	59	0	479
145	365	56	304	5316	336
146	289	370	250	931	73
147	310	767	282	1292	-187
148	336	1096	178	253	-424
149	412	1375	96	0	-643
150	412	1375	96	0	-643
151	-231	-30	235	6362	3379
152	51	406	579	3738	3300
153	-4	740	336	2888	199
154	337	1396	184	584	-2383
155	532	1774	83	0	-2087
156	532	1774	83	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-231	-30	174	3440	3379
164	51	406	474	-3366	3300
165	-4	740	18	359	199
166	337	1396	-81	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
169	365	56	127	1533	336
170	289	370	4	-664	73
171	310	767	-26	-127	-187
172	336	1096	-94	436	-425
173	412	1375	-68	0	-643
174	412	1375	-68	0	-643
175	636	108	22	176	242
176	492	352	24	-191	261
177	405	660	-17	-93	237
178	350	907	-41	262	342
179	306	1019	-31	0	479
180	306	1019	-31	0	479
181	699	104	0	0	166
182	541	348	0	0	223
183	435	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	492	352	174	286	261
189	405	660	159	161	237
190	350	907	112	-77	342
191	306	1019	59	0	479
192	306	1019	59	0	479
193	365	56	304	5316	336
194	289	370	250	931	73
195	310	767	282	1292	-187
196	336	1096	178	253	-425
197	412	1375	96	0	-643
198	412	1375	96	0	-643
199	-231	-30	235	6362	3379
200	51	406	579	3738	3300
201	-4	740	336	2888	199
202	337	1396	184	584	-2383
203	532	1774	83	0	-2087
204	532	1774	83	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-231	-30	174	3440	3379
212	51	406	474	-3366	3300
213	-4	740	18	359	199
214	337	1396	-81	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	127	1533	336
218	289	370	4	-664	73
219	310	767	-26	-127	-187
220	336	1096	-94	436	-425
221	412	1375	-68	0	-643
222	412	1375	-68	0	-643
223	636	108	22	176	242
224	492	352	24	-191	261
225	405	660	-17	-93	237
226	350	907	-41	262	342
227	306	1019	-31	0	479
228	306	1019	-31	0	479
229	699	104	0	0	166
230	541	348	0	0	223
231	435	634	0	0	372
232	349	836	0	0	597
233	265	885	0	0	729
234	265	885	0	0	729
235	636	108	154	2194	242
236	492	352	174	286	261
237	405	660	159	161	237
238	350	907	112	-77	342
239	306	1019	59	0	479
240	306	1019	59	0	479
241	365	56	304	5316	336
242	289	370	250	931	73
243	310	767	282	1292	-187
244	336	1096	178	253	-425
245	412	1375	96	0	-643
246	412	1375	96	0	-643
247	-231	-30	235	6362	3379
248	51	406	579	3738	3300
249	-4	740	336	2888	199
250	337	1396	184	584	-2383
251	532	1774	83	0	-2087
252	532	1774	83	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-231	-30	174	3440	3379
260	51	406	474	-3366	3300
261	-4	740	18	359	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
262	337	1396	-81	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	127	1533	336
266	289	370	4	-664	73
267	310	767	-26	-127	-187
268	336	1096	-94	436	-425
269	412	1375	-68	0	-643
270	412	1375	-68	0	-643
271	636	108	22	176	242
272	492	352	24	-191	261
273	405	660	-17	-93	237
274	350	907	-41	262	342
275	306	1019	-31	0	479
276	306	1019	-31	0	479
277	699	104	0	0	166
278	541	348	0	0	223
279	435	634	0	0	372
280	349	836	0	0	597
281	265	885	0	0	729
282	265	885	0	0	729
283	636	108	154	2194	242
284	492	352	174	286	261
285	405	660	159	161	237
286	350	907	112	-77	342
287	306	1019	59	0	479
288	306	1019	59	0	479
289	365	56	304	5316	336
290	289	370	250	931	73
291	310	767	282	1292	-187
292	336	1096	178	253	-425
293	412	1375	96	0	-643
294	412	1375	96	0	-643
295	-231	-30	235	6362	3379
296	51	406	579	3738	3300
297	-4	740	336	2888	199
298	337	1396	184	584	-2383
299	532	1774	83	0	-2087
300	532	1774	83	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1691	0	0	-1268
305	588	1959	0	0	-2033
306	588	1959	0	0	-2033
307	-231	-30	174	3440	3379
308	51	406	474	-3366	3300
309	-4	740	18	359	199
310	337	1396	-81	400	-2383
311	532	1774	-73	0	-2087
312	532	1774	-73	0	-2087
313	365	56	127	1533	336
314	289	370	4	-664	73
315	310	767	-26	-127	-187
316	336	1096	-94	436	-425
317	412	1375	-68	0	-643
318	412	1375	-68	0	-643
319	636	108	22	176	242
320	492	352	24	-191	261
321	405	660	-17	-93	237
322	350	907	-41	262	342
323	306	1019	-31	0	479
324	306	1019	-31	0	479
325	699	104	0	0	166
326	541	348	0	0	223
327	435	634	0	0	372
328	349	836	0	0	597
329	265	885	0	0	729
330	265	885	0	0	729
331	636	108	154	2194	242
332	492	352	174	286	261
333	405	660	159	161	237
334	350	907	112	-77	342
335	306	1019	59	0	479
336	306	1019	59	0	479
337	365	56	304	5316	336
338	289	370	250	931	73
339	310	767	282	1292	-187
340	336	1096	178	253	-425
341	412	1375	96	0	-643
342	412	1375	96	0	-643
343	-231	-30	235	6362	3379
344	51	406	579	3738	3300
345	-4	740	336	2888	199
346	337	1396	184	584	-2383
347	532	1774	83	0	-2087
348	532	1774	83	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1691	0	0	-1268
353	588	1959	0	0	-2033
354	588	1959	0	0	-2033

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
355	-231	-30	174	3440	3379
356	51	406	474	-3366	3300
357	-4	740	18	359	199
358	337	1396	-81	400	-2383
359	532	1774	-73	0	-2087
360	532	1774	-73	0	-2087
361	365	56	127	1533	336
362	289	370	4	-664	73
363	310	767	-26	-127	-187
364	336	1096	-94	436	-425
365	412	1375	-68	0	-643
366	412	1375	-68	0	-643
367	636	108	22	176	242
368	492	352	24	-191	261
369	405	660	-17	-93	237
370	350	907	-41	262	342
371	306	1019	-31	0	479
372	306	1019	-31	0	479
373	699	104	0	0	166
374	541	348	0	0	223
375	435	634	0	0	372
376	349	836	0	0	597
377	265	885	0	0	729
378	265	885	0	0	729
379	636	108	154	2194	242
380	492	352	174	286	261
381	405	660	159	161	237
382	350	907	112	-77	342
383	306	1019	59	0	479
384	306	1019	59	0	479
385	365	56	304	5316	336
386	289	370	250	931	73
387	310	767	282	1292	-187
388	336	1096	178	253	-425
389	412	1375	96	0	-643
390	412	1375	96	0	-643
391	-231	-30	235	6362	3379
392	51	406	579	3738	3300
393	-4	740	336	2888	199
394	337	1396	184	584	-2383
395	532	1774	83	0	-2087
396	532	1774	83	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-231	-30	174	3440	3379
404	51	406	474	-3366	3300
405	-4	740	18	359	199
406	337	1396	-81	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087
409	365	56	127	1533	336
410	289	370	4	-664	73
411	310	767	-26	-127	-187
412	336	1096	-94	436	-425
413	412	1375	-68	0	-643
414	412	1375	-68	0	-643
415	636	108	22	176	242
416	492	352	24	-191	261
417	405	660	-17	-93	237
418	350	907	-41	262	342
419	306	1019	-31	0	479
420	306	1019	-31	0	479
421	699	104	0	0	166
422	541	348	0	0	223
423	435	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	492	352	174	286	261
429	405	660	159	161	237
430	350	907	112	-77	342
431	306	1019	59	0	479
432	306	1019	59	0	479
433	365	56	304	5316	336
434	289	370	250	931	73
435	310	767	282	1292	-187
436	336	1096	178	253	-425
437	412	1375	96	0	-643
438	412	1375	96	0	-643
439	-231	-30	235	6362	3379
440	51	406	579	3738	3300
441	-4	740	336	2888	199
442	337	1396	184	584	-2383
443	532	1774	83	0	-2087
444	532	1774	83	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-231	-30	174	3440	3379
452	51	406	474	-3366	3300
453	-4	740	18	359	199
454	337	1396	-81	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	127	1533	336
458	289	370	4	-664	73
459	310	767	-26	-127	-187
460	336	1096	-94	436	-424
461	412	1375	-68	0	-643
462	412	1375	-68	0	-643
463	636	108	22	176	242
464	492	352	24	-191	261
465	405	660	-17	-93	237
466	350	907	-41	261	342
467	306	1019	-31	0	479
468	306	1019	-31	0	479
469	699	104	0	0	166
470	541	348	0	0	223
471	435	634	0	0	372
472	349	836	0	0	597
473	265	885	0	0	729
474	265	885	0	0	729
475	636	108	154	2194	242
476	492	352	174	286	261
477	405	661	159	161	237
478	350	907	112	-77	342
479	306	1019	59	0	479
480	306	1019	59	0	479
481	365	56	304	5316	336
482	289	370	251	931	73
483	310	767	282	1292	-187
484	336	1096	178	253	-424
485	412	1375	96	0	-643
486	412	1375	96	0	-643
487	-231	-30	235	6363	3379
488	51	406	579	3737	3300
489	-4	740	336	2888	199
490	337	1397	184	584	-2383
491	532	1775	83	0	-2088
492	532	1775	83	0	-2088
493	445	904	0	1	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	588	1960	0	0	-2035
498	588	1960	0	0	-2035
499	-231	-30	174	3440	3379
500	51	406	474	-3367	3300
501	-4	740	18	361	199
502	337	1397	-80	400	-2385
503	533	1775	-73	0	-2090
504	533	1775	-73	0	-2090
505	364	56	127	1534	336
506	288	369	5	-659	73
507	310	767	-25	-123	-187
508	336	1096	-94	438	-424
509	413	1376	-68	0	-643
510	413	1376	-68	0	-643
511	632	107	23	178	242
512	489	351	24	-180	261
513	404	659	-17	-94	236
514	349	907	-41	267	341
515	306	1020	-31	0	479
516	306	1020	-31	0	479
517	691	103	0	4	165
518	535	345	1	21	222
519	432	630	1	16	371
520	348	834	0	12	596
521	266	886	0	0	729
522	266	886	0	0	729
523	620	105	149	2169	241
524	481	347	168	285	259
525	399	653	154	192	235
526	347	901	109	-79	340
527	305	1018	58	0	477
528	305	1018	58	0	477
529	337	52	294	5258	334
530	270	359	238	930	70
531	297	752	271	1291	-191
532	330	1082	172	250	-429
533	411	1368	94	0	-648
534	411	1368	94	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	3740	3296
537	-28	710	316	2889	192
538	323	1366	171	581	-2434
539	527	1755	83	0	-2158
540	527	1755	83	0	-2158

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
541	443	904	1	22	13302
542	-1387	-479	1	191	7836
543	243	2119	1	156	919
544	376	1631	1	157	-1328
545	574	1913	1	0	-2125
546	574	1913	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	288	1285	-81	659	-2430
551	503	1675	-75	0	-2183
552	503	1675	-75	0	-2183
553	162	26	127	1567	336
554	136	279	2	-262	66
555	193	609	-29	211	-203
556	251	898	-98	841	-459
557	353	1178	-70	0	-688
558	353	1178	-70	0	-688
559	353	65	21	219	242
560	273	216	19	311	260
561	231	410	-26	266	229
562	211	573	-52	849	316
563	196	654	-37	0	435
564	196	654	-37	0	435
565	349	52	4	92	153
566	265	155	-7	523	241
567	200	259	-17	455	425
568	139	302	-24	754	637
569	74	246	-15	0	753
570	74	246	-15	0	753
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	427	487
574	69	101	-9	588	713
575	-8	-28	-5	0	861
576	-8	-28	-5	0	861
577	204	31	-1	23	139
578	142	53	-3	401	266
579	82	43	-3	337	503
580	15	-35	-3	406	782
581	-59	-197	-2	0	928
582	-59	-197	-2	0	928
583	136	21	0	12	140
584	89	20	0	284	267
585	37	-19	0	234	532
586	-21	-122	0	259	810
587	-88	-295	0	0	973
588	-88	-295	0	0	973
589	85	14	1	8	139
590	50	-2	2	187	266
591	9	-57	2	133	547
592	-43	-172	3	130	837
593	-105	-351	1	0	988
594	-105	-351	1	0	988
595	44	6	0	18	125
596	22	-15	1	115	237
597	-2	-78	3	50	504
598	-38	-195	7	-32	839
599	-107	-355	7	0	1022
600	-107	-355	7	0	1022
601	18	16	-2	27	186
602	4	-16	-4	84	393
603	-4	-89	-6	18	709
604	4	-199	12	-128	845
605	-95	-317	30	0	874
606	-95	-317	30	0	874

## Combinazione n° 5 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	47	137
3	22	-15	22	5	280
4	4	-16	18	-2	401
5	85	14	33	215	149
6	50	-2	40	9	315
7	-2	-78	21	40	583
8	-4	-89	24	35	709
9	9	-57	38	27	635
10	136	21	58	449	140
11	89	20	69	-7	299
12	37	-19	65	-4	624
13	-38	-195	11	116	929
14	4	-199	2	194	845
15	-43	-172	24	40	943
16	-21	-122	42	-1	936
17	204	31	96	814	139
18	142	53	113	-29	266
19	82	43	108	-31	590
20	15	-35	70	-33	914
21	-107	-355	4	0	1115

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
22	-95	-317	-21	0	874
23	-105	-351	12	0	1097
24	-88	-295	20	0	1091
25	-59	-197	35	0	1077
26	283	43	150	1398	139
27	207	98	175	-40	260
28	139	135	168	-59	509
29	69	101	112	-80	843
30	-8	-28	57	0	1017
31	-8	-28	57	0	1017
32	-8	-28	57	0	1017
33	-8	-28	57	0	1017
34	-8	-28	57	0	1017
35	-8	-28	57	0	1017
36	-8	-28	57	0	1017
37	349	52	222	2313	153
38	265	155	253	7	241
39	200	259	246	-45	425
40	139	302	166	-161	640
41	74	246	87	0	811
42	74	246	87	0	811
43	353	65	304	3593	242
44	273	216	349	244	260
45	231	410	327	42	229
46	211	573	224	-161	316
47	196	654	117	0	435
48	196	654	117	0	435
49	162	26	401	6133	336
50	136	279	364	895	66
51	193	609	390	1256	-203
52	251	898	249	218	-459
53	353	1178	131	0	-688
54	353	1178	131	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	4411	3293
57	-77	644	402	2870	181
58	288	1285	225	573	-2430
59	503	1675	106	0	-2183
60	503	1675	106	0	-2183
61	443	904	35	244	13302
62	-1387	-479	41	-8	7836
63	243	2119	38	-7	919
64	376	1631	23	-1	-1328
65	574	1913	11	0	-2125
66	574	1913	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192
70	323	1366	-81	310	-2434
71	527	1755	-68	0	-2158
72	527	1755	-68	0	-2158
73	337	52	126	1522	334
74	270	359	3	-735	70
75	297	752	-27	-183	-191
76	330	1082	-95	387	-429
77	411	1368	-68	0	-648
78	411	1368	-68	0	-648
79	620	105	22	169	241
80	481	347	23	-231	259
81	399	653	-18	-93	235
82	347	901	-41	237	340
83	305	1018	-31	0	477
84	305	1018	-31	0	477
85	691	103	2	8	165
86	535	345	3	2	222
87	432	630	2	1	371
88	348	834	1	2	596
89	266	886	0	0	729
90	266	886	0	0	729
91	632	107	155	2195	242
92	489	351	175	319	261
93	404	659	160	153	236
94	349	907	112	-76	341
95	306	1020	60	0	479
96	306	1020	60	0	479
97	364	56	304	5315	336
98	288	369	251	1060	73
99	310	767	282	1293	-187
100	336	1096	178	254	-424
101	413	1376	100	0	-643
102	413	1376	100	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	336	2889	199
106	337	1397	183	584	-2385
107	533	1775	99	0	-2090
108	533	1775	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	337	1397	-81	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	127	1533	336
122	289	370	4	-664	73
123	310	767	-26	-127	-187
124	336	1096	-94	436	-424
125	412	1375	-68	0	-643
126	412	1375	-68	0	-643
127	636	108	22	176	242
128	492	352	24	-191	261
129	405	661	-17	-93	237
130	350	907	-41	262	342
131	306	1019	-31	0	479
132	306	1019	-31	0	479
133	699	104	0	0	166
134	541	348	0	0	223
135	435	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729
139	636	108	154	2194	242
140	492	352	174	322	261
141	405	660	159	161	237
142	350	907	112	-77	342
143	306	1019	59	0	479
144	306	1019	59	0	479
145	365	56	304	5316	336
146	289	370	250	1061	73
147	310	767	282	1292	-187
148	336	1096	178	253	-424
149	412	1375	100	0	-643
150	412	1375	100	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	336	2888	199
154	337	1396	184	584	-2383
155	532	1774	99	0	-2087
156	532	1774	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	337	1396	-81	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087
169	365	56	127	1533	336
170	289	370	4	-664	73
171	310	767	-26	-127	-187
172	336	1096	-94	436	-425
173	412	1375	-68	0	-643
174	412	1375	-68	0	-643
175	636	108	22	176	242
176	492	352	24	-191	261
177	405	660	-17	-93	237
178	350	907	-41	262	342
179	306	1019	-31	0	479
180	306	1019	-31	0	479
181	699	104	0	0	166
182	541	348	0	0	223
183	435	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	492	352	174	322	261
189	405	660	159	161	237
190	350	907	112	-77	342
191	306	1019	59	0	479
192	306	1019	59	0	479
193	365	56	304	5316	336
194	289	370	250	1061	73
195	310	767	282	1292	-187
196	336	1096	178	253	-425
197	412	1375	100	0	-643
198	412	1375	100	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	336	2888	199
202	337	1396	184	584	-2383
203	532	1774	99	0	-2087
204	532	1774	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	337	1396	-81	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	127	1533	336
218	289	370	4	-664	73
219	310	767	-26	-127	-187
220	336	1096	-94	436	-425
221	412	1375	-68	0	-643
222	412	1375	-68	0	-643
223	636	108	22	176	242
224	492	352	24	-191	261
225	405	660	-17	-93	237
226	350	907	-41	262	342
227	306	1019	-31	0	479
228	306	1019	-31	0	479
229	699	104	0	0	166
230	541	348	0	0	223
231	435	634	0	0	372
232	349	836	0	0	597
233	265	885	0	0	729
234	265	885	0	0	729
235	636	108	154	2194	242
236	492	352	174	322	261
237	405	660	159	161	237
238	350	907	112	-77	342
239	306	1019	59	0	479
240	306	1019	59	0	479
241	365	56	304	5316	336
242	289	370	250	1061	73
243	310	767	282	1292	-187
244	336	1096	178	253	-425
245	412	1375	100	0	-643
246	412	1375	100	0	-643
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	336	2888	199
250	337	1396	184	584	-2383
251	532	1774	99	0	-2087
252	532	1774	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	337	1396	-81	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	127	1533	336
266	289	370	4	-664	73
267	310	767	-26	-127	-187
268	336	1096	-94	436	-425
269	412	1375	-68	0	-643
270	412	1375	-68	0	-643
271	636	108	22	176	242
272	492	352	24	-191	261
273	405	660	-17	-93	237
274	350	907	-41	262	342
275	306	1019	-31	0	479
276	306	1019	-31	0	479
277	699	104	0	0	166
278	541	348	0	0	223
279	435	634	0	0	372
280	349	836	0	0	597
281	265	885	0	0	729
282	265	885	0	0	729
283	636	108	154	2194	242
284	492	352	174	322	261
285	405	660	159	161	237
286	350	907	112	-77	342
287	306	1019	59	0	479
288	306	1019	59	0	479
289	365	56	304	5316	336
290	289	370	250	1061	73
291	310	767	282	1292	-187
292	336	1096	178	253	-425
293	412	1375	100	0	-643
294	412	1375	100	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	336	2888	199
298	337	1396	184	584	-2383
299	532	1774	99	0	-2087
300	532	1774	99	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1691	0	0	-1268
305	588	1959	0	0	-2033
306	588	1959	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199
310	337	1396	-81	400	-2383
311	532	1774	-73	0	-2087
312	532	1774	-73	0	-2087
313	365	56	127	1533	336
314	289	370	4	-664	73
315	310	767	-26	-127	-187
316	336	1096	-94	436	-425
317	412	1375	-68	0	-643
318	412	1375	-68	0	-643
319	636	108	22	176	242
320	492	352	24	-191	261
321	405	660	-17	-93	237
322	350	907	-41	262	342
323	306	1019	-31	0	479
324	306	1019	-31	0	479
325	699	104	0	0	166
326	541	348	0	0	223
327	435	634	0	0	372
328	349	836	0	0	597
329	265	885	0	0	729
330	265	885	0	0	729
331	636	108	154	2194	242
332	492	352	174	322	261
333	405	660	159	161	237
334	350	907	112	-77	342
335	306	1019	59	0	479
336	306	1019	59	0	479
337	365	56	304	5316	336
338	289	370	250	1061	73
339	310	767	282	1292	-187
340	336	1096	178	253	-425
341	412	1375	100	0	-643
342	412	1375	100	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	336	2888	199
346	337	1396	184	584	-2383
347	532	1774	99	0	-2087
348	532	1774	99	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1691	0	0	-1268
353	588	1959	0	0	-2033
354	588	1959	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	337	1396	-81	400	-2383
359	532	1774	-73	0	-2087
360	532	1774	-73	0	-2087
361	365	56	127	1533	336
362	289	370	4	-664	73
363	310	767	-26	-127	-187
364	336	1096	-94	436	-425
365	412	1375	-68	0	-643
366	412	1375	-68	0	-643
367	636	108	22	176	242
368	492	352	24	-191	261
369	405	660	-17	-93	237
370	350	907	-41	262	342
371	306	1019	-31	0	479
372	306	1019	-31	0	479
373	699	104	0	0	166
374	541	348	0	0	223
375	435	634	0	0	372
376	349	836	0	0	597
377	265	885	0	0	729
378	265	885	0	0	729
379	636	108	154	2194	242
380	492	352	174	322	261
381	405	660	159	161	237
382	350	907	112	-77	342
383	306	1019	59	0	479
384	306	1019	59	0	479
385	365	56	304	5316	336
386	289	370	250	1061	73
387	310	767	282	1292	-187
388	336	1096	178	253	-425
389	412	1375	100	0	-643
390	412	1375	100	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	336	2888	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
394	337	1396	184	584	-2383
395	532	1774	99	0	-2087
396	532	1774	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	337	1396	-81	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087
409	365	56	127	1533	336
410	289	370	4	-664	73
411	310	767	-26	-127	-187
412	336	1096	-94	436	-425
413	412	1375	-68	0	-643
414	412	1375	-68	0	-643
415	636	108	22	176	242
416	492	352	24	-191	261
417	405	660	-17	-93	237
418	350	907	-41	262	342
419	306	1019	-31	0	479
420	306	1019	-31	0	479
421	699	104	0	0	166
422	541	348	0	0	223
423	435	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	492	352	174	322	261
429	405	660	159	161	237
430	350	907	112	-77	342
431	306	1019	59	0	479
432	306	1019	59	0	479
433	365	56	304	5316	336
434	289	370	250	1061	73
435	310	767	282	1292	-187
436	336	1096	178	253	-425
437	412	1375	100	0	-643
438	412	1375	100	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	336	2888	199
442	337	1396	184	584	-2383
443	532	1774	99	0	-2087
444	532	1774	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	337	1396	-81	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	127	1533	336
458	289	370	4	-664	73
459	310	767	-26	-127	-187
460	336	1096	-94	436	-424
461	412	1375	-68	0	-643
462	412	1375	-68	0	-643
463	636	108	22	176	242
464	492	352	24	-191	261
465	405	660	-17	-93	237
466	350	907	-41	261	342
467	306	1019	-31	0	479
468	306	1019	-31	0	479
469	699	104	0	0	166
470	541	348	0	0	223
471	435	634	0	0	372
472	349	836	0	0	597
473	265	885	0	0	729
474	265	885	0	0	729
475	636	108	154	2194	242
476	492	352	174	322	261
477	405	661	159	161	237
478	350	907	112	-77	342
479	306	1019	59	0	479
480	306	1019	59	0	479
481	365	56	304	5316	336
482	289	370	251	1061	73
483	310	767	282	1292	-187
484	336	1096	178	253	-424
485	412	1375	100	0	-643
486	412	1375	100	0	-643

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	336	2888	199
490	337	1397	184	584	-2383
491	532	1775	100	0	-2088
492	532	1775	100	0	-2088
493	445	904	0	1	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	588	1960	0	0	-2035
498	588	1960	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	337	1397	-80	400	-2385
503	533	1775	-73	0	-2090
504	533	1775	-73	0	-2090
505	364	56	127	1534	336
506	288	369	5	-659	73
507	310	767	-25	-123	-187
508	336	1096	-94	438	-424
509	413	1376	-68	0	-643
510	413	1376	-68	0	-643
511	632	107	23	178	242
512	489	351	24	-180	261
513	404	659	-17	-94	236
514	349	907	-41	267	341
515	306	1020	-31	0	479
516	306	1020	-31	0	479
517	691	103	0	4	165
518	535	345	1	21	222
519	432	630	1	16	371
520	348	834	0	12	596
521	266	886	0	0	729
522	266	886	0	0	729
523	620	105	149	2169	241
524	481	347	168	334	259
525	399	653	154	192	235
526	347	901	109	-79	340
527	305	1018	58	0	477
528	305	1018	58	0	477
529	337	52	294	5258	334
530	270	359	238	1086	70
531	297	752	271	1291	-191
532	330	1082	172	250	-429
533	411	1368	100	0	-648
534	411	1368	100	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	4574	3296
537	-28	710	316	2889	192
538	323	1366	171	581	-2434
539	527	1755	98	0	-2158
540	527	1755	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	191	7836
543	243	2119	1	156	919
544	376	1631	1	157	-1328
545	574	1913	1	0	-2125
546	574	1913	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	288	1285	-81	659	-2430
551	503	1675	-75	0	-2183
552	503	1675	-75	0	-2183
553	162	26	127	1567	336
554	136	279	2	-262	66
555	193	609	-29	211	-203
556	251	898	-98	841	-459
557	353	1178	-70	0	-688
558	353	1178	-70	0	-688
559	353	65	21	219	242
560	273	216	19	311	260
561	231	410	-26	266	229
562	211	573	-52	849	316
563	196	654	-37	0	435
564	196	654	-37	0	435
565	349	52	4	92	153
566	265	155	-7	523	241
567	200	259	-17	455	425
568	139	302	-24	754	640
569	74	246	-15	0	811
570	74	246	-15	0	811
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	427	509
574	69	101	-9	588	843
575	-8	-28	-5	0	1017
576	-8	-28	-5	0	1017
577	204	31	-1	23	139
578	142	53	-3	401	266
579	82	43	-3	337	590

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
580	15	-35	-3	406	914
581	-59	-197	-2	0	1077
582	-59	-197	-2	0	1077
583	136	21	0	12	140
584	89	20	0	284	299
585	37	-19	0	234	624
586	-21	-122	0	259	936
587	-88	-295	0	0	1091
588	-88	-295	0	0	1091
589	85	14	1	8	149
590	50	-2	2	187	315
591	9	-57	2	133	635
592	-43	-172	3	130	943
593	-105	-351	1	0	1097
594	-105	-351	1	0	1097
595	44	6	0	18	137
596	22	-15	1	115	280
597	-2	-78	3	50	583
598	-38	-195	7	-32	929
599	-107	-355	7	0	1115
600	-107	-355	7	0	1115
601	18	16	-2	32	215
602	4	-16	-4	84	401
603	-4	-89	-6	18	709
604	4	-199	12	-128	845
605	-95	-317	35	0	874
606	-95	-317	35	0	874

## Combinazione n° 6 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	47	137
3	22	-15	22	5	280
4	4	-16	18	-2	401
5	85	14	33	215	149
6	50	-2	40	9	315
7	-2	-78	21	40	583
8	-4	-89	24	35	709
9	9	-57	38	27	635
10	136	21	58	449	140
11	89	20	69	-7	299
12	37	-19	65	-4	624
13	-38	-195	11	116	929
14	4	-199	2	194	845
15	-43	-172	24	40	943
16	-21	-122	42	-1	936
17	204	31	96	814	139
18	142	53	113	-29	266
19	82	43	108	-31	590
20	15	-35	70	-33	914
21	-107	-355	4	0	1115
22	-95	-317	-21	0	874
23	-105	-351	12	0	1097
24	-88	-295	20	0	1091
25	-59	-197	35	0	1077
26	283	43	150	1398	139
27	207	98	175	-40	260
28	139	135	168	-59	509
29	69	101	112	-80	843
30	-8	-28	57	0	1017
31	-8	-28	57	0	1017
32	-8	-28	57	0	1017
33	-8	-28	57	0	1017
34	-8	-28	57	0	1017
35	-8	-28	57	0	1017
36	-8	-28	57	0	1017
37	349	52	222	2313	153
38	265	155	253	7	241
39	200	259	246	-45	425
40	139	302	166	-161	640
41	74	246	87	0	811
42	74	246	87	0	811
43	353	65	304	3593	242
44	273	216	349	244	260
45	231	410	327	42	229
46	211	573	224	-161	316
47	196	654	117	0	435
48	196	654	117	0	435
49	162	26	401	6133	336
50	136	279	364	895	66
51	193	609	390	1256	-203
52	251	898	249	218	-459
53	353	1178	131	0	-688
54	353	1178	131	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	4411	3293
57	-77	644	402	2870	181
58	288	1285	225	573	-2430
59	503	1675	106	0	-2183
60	503	1675	106	0	-2183

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
61	443	904	35	244	13302
62	-1387	-479	41	-8	7836
63	243	2119	38	-7	919
64	376	1631	23	-1	-1328
65	574	1913	11	0	-2125
66	574	1913	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192
70	323	1366	-81	310	-2434
71	527	1755	-68	0	-2158
72	527	1755	-68	0	-2158
73	337	52	126	1522	334
74	270	359	3	-735	70
75	297	752	-27	-183	-191
76	330	1082	-95	387	-429
77	411	1368	-68	0	-648
78	411	1368	-68	0	-648
79	620	105	22	169	241
80	481	347	23	-231	259
81	399	653	-18	-93	235
82	347	901	-41	237	340
83	305	1018	-31	0	477
84	305	1018	-31	0	477
85	691	103	2	8	165
86	535	345	3	2	222
87	432	630	2	1	371
88	348	834	1	2	596
89	266	886	0	0	729
90	266	886	0	0	729
91	632	107	155	2195	242
92	489	351	175	319	261
93	404	659	160	153	236
94	349	907	112	-76	341
95	306	1020	60	0	479
96	306	1020	60	0	479
97	364	56	304	5315	336
98	288	369	251	1060	73
99	310	767	282	1293	-187
100	336	1096	178	254	-424
101	413	1376	100	0	-643
102	413	1376	100	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	336	2889	199
106	337	1397	183	584	-2385
107	533	1775	99	0	-2090
108	533	1775	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	337	1397	-81	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	127	1533	336
122	289	370	4	-664	73
123	310	767	-26	-127	-187
124	336	1096	-94	436	-424
125	412	1375	-68	0	-643
126	412	1375	-68	0	-643
127	636	108	22	176	242
128	492	352	24	-191	261
129	405	661	-17	-93	237
130	350	907	-41	262	342
131	306	1019	-31	0	479
132	306	1019	-31	0	479
133	699	104	0	0	166
134	541	348	0	0	223
135	435	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729
139	636	108	154	2194	242
140	492	352	174	322	261
141	405	660	159	161	237
142	350	907	112	-77	342
143	306	1019	59	0	479
144	306	1019	59	0	479
145	365	56	304	5316	336
146	289	370	250	1061	73
147	310	767	282	1292	-187
148	336	1096	178	253	-424
149	412	1375	100	0	-643
150	412	1375	100	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	336	2888	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
154	337	1396	184	584	-2383
155	532	1774	99	0	-2087
156	532	1774	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	337	1396	-81	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087
169	365	56	127	1533	336
170	289	370	4	-664	73
171	310	767	-26	-127	-187
172	336	1096	-94	436	-425
173	412	1375	-68	0	-643
174	412	1375	-68	0	-643
175	636	108	22	176	242
176	492	352	24	-191	261
177	405	660	-17	-93	237
178	350	907	-41	262	342
179	306	1019	-31	0	479
180	306	1019	-31	0	479
181	699	104	0	0	166
182	541	348	0	0	223
183	435	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	492	352	174	322	261
189	405	660	159	161	237
190	350	907	112	-77	342
191	306	1019	59	0	479
192	306	1019	59	0	479
193	365	56	304	5316	336
194	289	370	250	1061	73
195	310	767	282	1292	-187
196	336	1096	178	253	-425
197	412	1375	100	0	-643
198	412	1375	100	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	336	2888	199
202	337	1396	184	584	-2383
203	532	1774	99	0	-2087
204	532	1774	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	337	1396	-81	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	127	1533	336
218	289	370	4	-664	73
219	310	767	-26	-127	-187
220	336	1096	-94	436	-425
221	412	1375	-68	0	-643
222	412	1375	-68	0	-643
223	636	108	22	176	242
224	492	352	24	-191	261
225	405	660	-17	-93	237
226	350	907	-41	262	342
227	306	1019	-31	0	479
228	306	1019	-31	0	479
229	699	104	0	0	166
230	541	348	0	0	223
231	435	634	0	0	372
232	349	836	0	0	597
233	265	885	0	0	729
234	265	885	0	0	729
235	636	108	154	2194	242
236	492	352	174	322	261
237	405	660	159	161	237
238	350	907	112	-77	342
239	306	1019	59	0	479
240	306	1019	59	0	479
241	365	56	304	5316	336
242	289	370	250	1061	73
243	310	767	282	1292	-187
244	336	1096	178	253	-425
245	412	1375	100	0	-643
246	412	1375	100	0	-643



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	336	2888	199
250	337	1396	184	584	-2383
251	532	1774	99	0	-2087
252	532	1774	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	337	1396	-81	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	127	1533	336
266	289	370	4	-664	73
267	310	767	-26	-127	-187
268	336	1096	-94	436	-425
269	412	1375	-68	0	-643
270	412	1375	-68	0	-643
271	636	108	22	176	242
272	492	352	24	-191	261
273	405	660	-17	-93	237
274	350	907	-41	262	342
275	306	1019	-31	0	479
276	306	1019	-31	0	479
277	699	104	0	0	166
278	541	348	0	0	223
279	435	634	0	0	372
280	349	836	0	0	597
281	265	885	0	0	729
282	265	885	0	0	729
283	636	108	154	2194	242
284	492	352	174	322	261
285	405	660	159	161	237
286	350	907	112	-77	342
287	306	1019	59	0	479
288	306	1019	59	0	479
289	365	56	304	5316	336
290	289	370	250	1061	73
291	310	767	282	1292	-187
292	336	1096	178	253	-425
293	412	1375	100	0	-643
294	412	1375	100	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	336	2888	199
298	337	1396	184	584	-2383
299	532	1774	99	0	-2087
300	532	1774	99	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1691	0	0	-1268
305	588	1959	0	0	-2033
306	588	1959	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199
310	337	1396	-81	400	-2383
311	532	1774	-73	0	-2087
312	532	1774	-73	0	-2087
313	365	56	127	1533	336
314	289	370	4	-664	73
315	310	767	-26	-127	-187
316	336	1096	-94	436	-425
317	412	1375	-68	0	-643
318	412	1375	-68	0	-643
319	636	108	22	176	242
320	492	352	24	-191	261
321	405	660	-17	-93	237
322	350	907	-41	262	342
323	306	1019	-31	0	479
324	306	1019	-31	0	479
325	699	104	0	0	166
326	541	348	0	0	223
327	435	634	0	0	372
328	349	836	0	0	597
329	265	885	0	0	729
330	265	885	0	0	729
331	636	108	154	2194	242
332	492	352	174	322	261
333	405	660	159	161	237
334	350	907	112	-77	342
335	306	1019	59	0	479
336	306	1019	59	0	479
337	365	56	304	5316	336
338	289	370	250	1061	73
339	310	767	282	1292	-187

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
340	336	1096	178	253	-425
341	412	1375	100	0	-643
342	412	1375	100	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	336	2888	199
346	337	1396	184	584	-2383
347	532	1774	99	0	-2087
348	532	1774	99	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1691	0	0	-1268
353	588	1959	0	0	-2033
354	588	1959	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	337	1396	-81	400	-2383
359	532	1774	-73	0	-2087
360	532	1774	-73	0	-2087
361	365	56	127	1533	336
362	289	370	4	-664	73
363	310	767	-26	-127	-187
364	336	1096	-94	436	-425
365	412	1375	-68	0	-643
366	412	1375	-68	0	-643
367	636	108	22	176	242
368	492	352	24	-191	261
369	405	660	-17	-93	237
370	350	907	-41	262	342
371	306	1019	-31	0	479
372	306	1019	-31	0	479
373	699	104	0	0	166
374	541	348	0	0	223
375	435	634	0	0	372
376	349	836	0	0	597
377	265	885	0	0	729
378	265	885	0	0	729
379	636	108	154	2194	242
380	492	352	174	322	261
381	405	660	159	161	237
382	350	907	112	-77	342
383	306	1019	59	0	479
384	306	1019	59	0	479
385	365	56	304	5316	336
386	289	370	250	1061	73
387	310	767	282	1292	-187
388	336	1096	178	253	-425
389	412	1375	100	0	-643
390	412	1375	100	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	336	2888	199
394	337	1396	184	584	-2383
395	532	1774	99	0	-2087
396	532	1774	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	337	1396	-81	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087
409	365	56	127	1533	336
410	289	370	4	-664	73
411	310	767	-26	-127	-187
412	336	1096	-94	436	-425
413	412	1375	-68	0	-643
414	412	1375	-68	0	-643
415	636	108	22	176	242
416	492	352	24	-191	261
417	405	660	-17	-93	237
418	350	907	-41	262	342
419	306	1019	-31	0	479
420	306	1019	-31	0	479
421	699	104	0	0	166
422	541	348	0	0	223
423	435	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	492	352	174	322	261
429	405	660	159	161	237
430	350	907	112	-77	342
431	306	1019	59	0	479
432	306	1019	59	0	479

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
433	365	56	304	5316	336
434	289	370	250	1061	73
435	310	767	282	1292	-187
436	336	1096	178	253	-425
437	412	1375	100	0	-643
438	412	1375	100	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	336	2888	199
442	337	1396	184	584	-2383
443	532	1774	99	0	-2087
444	532	1774	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	337	1396	-81	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	127	1533	336
458	289	370	4	-664	73
459	310	767	-26	-127	-187
460	336	1096	-94	436	-424
461	412	1375	-68	0	-643
462	412	1375	-68	0	-643
463	636	108	22	176	242
464	492	352	24	-191	261
465	405	660	-17	-93	237
466	350	907	-41	261	342
467	306	1019	-31	0	479
468	306	1019	-31	0	479
469	699	104	0	0	166
470	541	348	0	0	223
471	435	634	0	0	372
472	349	836	0	0	597
473	265	885	0	0	729
474	265	885	0	0	729
475	636	108	154	2194	242
476	492	352	174	322	261
477	405	661	159	161	237
478	350	907	112	-77	342
479	306	1019	59	0	479
480	306	1019	59	0	479
481	365	56	304	5316	336
482	289	370	251	1061	73
483	310	767	282	1292	-187
484	336	1096	178	253	-424
485	412	1375	100	0	-643
486	412	1375	100	0	-643
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	336	2888	199
490	337	1397	184	584	-2383
491	532	1775	100	0	-2088
492	532	1775	100	0	-2088
493	445	904	0	1	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	588	1960	0	0	-2035
498	588	1960	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	337	1397	-80	400	-2385
503	533	1775	-73	0	-2090
504	533	1775	-73	0	-2090
505	364	56	127	1534	336
506	288	369	5	-659	73
507	310	767	-25	-123	-187
508	336	1096	-94	438	-424
509	413	1376	-68	0	-643
510	413	1376	-68	0	-643
511	632	107	23	178	242
512	489	351	24	-180	261
513	404	659	-17	-94	236
514	349	907	-41	267	341
515	306	1020	-31	0	479
516	306	1020	-31	0	479
517	691	103	0	4	165
518	535	345	1	21	222
519	432	630	1	16	371
520	348	834	0	12	596
521	266	886	0	0	729
522	266	886	0	0	729
523	620	105	149	2169	241
524	481	347	168	334	259
525	399	653	154	192	235

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
526	347	901	109	-79	340
527	305	1018	58	0	477
528	305	1018	58	0	477
529	337	52	294	5258	334
530	270	359	238	1086	70
531	297	752	271	1291	-191
532	330	1082	172	250	-429
533	411	1368	100	0	-648
534	411	1368	100	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	4574	3296
537	-28	710	316	2889	192
538	323	1366	171	581	-2434
539	527	1755	98	0	-2158
540	527	1755	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	191	7836
543	243	2119	1	156	919
544	376	1631	1	157	-1328
545	574	1913	1	0	-2125
546	574	1913	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	288	1285	-81	659	-2430
551	503	1675	-75	0	-2183
552	503	1675	-75	0	-2183
553	162	26	127	1567	336
554	136	279	2	-262	66
555	193	609	-29	211	-203
556	251	898	-98	841	-459
557	353	1178	-70	0	-688
558	353	1178	-70	0	-688
559	353	65	21	219	242
560	273	216	19	311	260
561	231	410	-26	266	229
562	211	573	-52	849	316
563	196	654	-37	0	435
564	196	654	-37	0	435
565	349	52	4	92	153
566	265	155	-7	523	241
567	200	259	-17	455	425
568	139	302	-24	754	640
569	74	246	-15	0	811
570	74	246	-15	0	811
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	427	509
574	69	101	-9	588	843
575	-8	-28	-5	0	1017
576	-8	-28	-5	0	1017
577	204	31	-1	23	139
578	142	53	-3	401	266
579	82	43	-3	337	590
580	15	-35	-3	406	914
581	-59	-197	-2	0	1077
582	-59	-197	-2	0	1077
583	136	21	0	12	140
584	89	20	0	284	299
585	37	-19	0	234	624
586	-21	-122	0	259	936
587	-88	-295	0	0	1091
588	-88	-295	0	0	1091
589	85	14	1	8	149
590	50	-2	2	187	315
591	9	-57	2	133	635
592	-43	-172	3	130	943
593	-105	-351	1	0	1097
594	-105	-351	1	0	1097
595	44	6	0	18	137
596	22	-15	1	115	280
597	-2	-78	3	50	583
598	-38	-195	7	-32	929
599	-107	-355	7	0	1115
600	-107	-355	7	0	1115
601	18	16	-2	32	215
602	4	-16	-4	84	401
603	-4	-89	-6	18	709
604	4	-199	12	-128	845
605	-95	-317	35	0	874
606	-95	-317	35	0	874

## Combinazione n° 7 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	47	138
3	22	-15	22	5	281
4	4	-16	18	-2	401
5	85	14	33	215	151
6	50	-2	40	9	316

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
7	-2	-78	21	40	583	
8	-4	-89	24	35	709	
9	9	-57	38	27	635	
10	136	21	58	449	140	
11	89	20	69	-7	301	
12	37	-19	65	-4	624	
13	-38	-195	11	118	929	
14	4	-199	2	194	845	
15	-43	-172	24	40	943	
16	-21	-122	42	-1	936	
17	204	31	96	814	139	
18	142	53	113	-29	268	
19	82	43	108	-31	592	
20	15	-35	70	-33	914	
21	-107	-355	4	0	1115	
22	-95	-317	-21	0	874	
23	-105	-351	12	0	1097	
24	-88	-295	20	0	1091	
25	-59	-197	35	0	1077	
26	283	43	150	1398	139	
27	207	98	175	-40	260	
28	139	135	168	-59	515	
29	69	101	112	-80	845	
30	-8	-28	57	0	1017	
31	-8	-28	57	0	1017	
32	-8	-28	57	0	1017	
33	-8	-28	57	0	1017	
34	-8	-28	57	0	1017	
35	-8	-28	57	0	1017	
36	-8	-28	57	0	1017	
37	349	52	222	2313	153	
38	265	155	253	7	241	
39	200	259	246	-45	425	
40	139	302	166	-161	652	
41	74	246	87	0	821	
42	74	246	87	0	821	
43	353	65	304	3593	242	
44	273	216	349	244	260	
45	231	410	327	42	229	
46	211	573	224	-161	316	
47	196	654	117	0	435	
48	196	654	117	0	435	
49	162	26	401	6133	336	
50	136	279	364	895	66	
51	193	609	390	1256	-203	
52	251	898	249	218	-459	
53	353	1178	131	0	-688	
54	353	1178	131	0	-688	
55	-240	-51	294	6819	3377	
56	46	349	649	4411	3293	
57	-77	644	402	2870	181	
58	288	1285	225	573	-2430	
59	503	1675	106	0	-2183	
60	503	1675	106	0	-2183	
61	443	904	35	244	13302	
62	-1387	-479	41	-8	7836	
63	243	2119	38	-7	919	
64	376	1631	23	-1	-1328	
65	574	1913	11	0	-2125	
66	574	1913	11	0	-2125	
67	-232	-38	173	3424	3376	
68	52	387	472	-3371	3296	
69	-28	710	17	263	192	
70	323	1366	-81	310	-2434	
71	527	1755	-68	0	-2158	
72	527	1755	-68	0	-2158	
73	337	52	126	1522	334	
74	270	359	3	-735	70	
75	297	752	-27	-183	-191	
76	330	1082	-95	387	-429	
77	411	1368	-68	0	-648	
78	411	1368	-68	0	-648	
79	620	105	22	169	241	
80	481	347	23	-231	259	
81	399	653	-18	-93	235	
82	347	901	-41	237	340	
83	305	1018	-31	0	477	
84	305	1018	-31	0	477	
85	691	103	2	8	165	
86	535	345	3	2	222	
87	432	630	2	1	371	
88	348	834	1	2	596	
89	266	886	0	0	729	
90	266	886	0	0	729	
91	632	107	155	2195	242	
92	489	351	175	319	261	
93	404	659	160	153	236	
94	349	907	112	-76	341	
95	306	1020	60	0	479	
96	306	1020	60	0	479	
97	364	56	304	5315	336	
98	288	369	251	1060	73	
99	310	767	282	1293	-187	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
100	336	1096	178	254	-424
101	413	1376	100	0	-643
102	413	1376	100	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	336	2889	199
106	337	1397	183	584	-2385
107	533	1775	99	0	-2090
108	533	1775	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	588	1960	0	0	-2035
114	588	1960	0	0	-2035
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	337	1397	-81	400	-2383
119	532	1775	-73	0	-2088
120	532	1775	-73	0	-2088
121	365	56	127	1533	336
122	289	370	4	-664	73
123	310	767	-26	-127	-187
124	336	1096	-94	436	-424
125	412	1375	-68	0	-643
126	412	1375	-68	0	-643
127	636	108	22	176	242
128	492	352	24	-191	261
129	405	661	-17	-93	237
130	350	907	-41	262	342
131	306	1019	-31	0	479
132	306	1019	-31	0	479
133	699	104	0	0	166
134	541	348	0	0	223
135	435	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729
139	636	108	154	2194	242
140	492	352	174	322	261
141	405	660	159	161	237
142	350	907	112	-77	342
143	306	1019	59	0	479
144	306	1019	59	0	479
145	365	56	304	5316	336
146	289	370	250	1061	73
147	310	767	282	1292	-187
148	336	1096	178	253	-424
149	412	1375	100	0	-643
150	412	1375	100	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	336	2888	199
154	337	1396	184	584	-2383
155	532	1774	99	0	-2087
156	532	1774	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	910
160	403	1691	0	0	-1268
161	588	1959	0	0	-2033
162	588	1959	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	337	1396	-81	400	-2383
167	532	1774	-73	0	-2087
168	532	1774	-73	0	-2087
169	365	56	127	1533	336
170	289	370	4	-664	73
171	310	767	-26	-127	-187
172	336	1096	-94	436	-425
173	412	1375	-68	0	-643
174	412	1375	-68	0	-643
175	636	108	22	176	242
176	492	352	24	-191	261
177	405	660	-17	-93	237
178	350	907	-41	262	342
179	306	1019	-31	0	479
180	306	1019	-31	0	479
181	699	104	0	0	166
182	541	348	0	0	223
183	435	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	492	352	174	322	261
189	405	660	159	161	237
190	350	907	112	-77	342
191	306	1019	59	0	479
192	306	1019	59	0	479

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
193	365	56	304	5316	336
194	289	370	250	1061	73
195	310	767	282	1292	-187
196	336	1096	178	253	-425
197	412	1375	100	0	-643
198	412	1375	100	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	336	2888	199
202	337	1396	184	584	-2383
203	532	1774	99	0	-2087
204	532	1774	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	588	1959	0	0	-2033
210	588	1959	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	337	1396	-81	400	-2383
215	532	1774	-73	0	-2087
216	532	1774	-73	0	-2087
217	365	56	127	1533	336
218	289	370	4	-664	73
219	310	767	-26	-127	-187
220	336	1096	-94	436	-425
221	412	1375	-68	0	-643
222	412	1375	-68	0	-643
223	636	108	22	176	242
224	492	352	24	-191	261
225	405	660	-17	-93	237
226	350	907	-41	262	342
227	306	1019	-31	0	479
228	306	1019	-31	0	479
229	699	104	0	0	166
230	541	348	0	0	223
231	435	634	0	0	372
232	349	836	0	0	597
233	265	885	0	0	729
234	265	885	0	0	729
235	636	108	154	2194	242
236	492	352	174	322	261
237	405	660	159	161	237
238	350	907	112	-77	342
239	306	1019	59	0	479
240	306	1019	59	0	479
241	365	56	304	5316	336
242	289	370	250	1061	73
243	310	767	282	1292	-187
244	336	1096	178	253	-425
245	412	1375	100	0	-643
246	412	1375	100	0	-643
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	336	2888	199
250	337	1396	184	584	-2383
251	532	1774	99	0	-2087
252	532	1774	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1691	0	0	-1268
257	588	1959	0	0	-2033
258	588	1959	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	337	1396	-81	400	-2383
263	532	1774	-73	0	-2087
264	532	1774	-73	0	-2087
265	365	56	127	1533	336
266	289	370	4	-664	73
267	310	767	-26	-127	-187
268	336	1096	-94	436	-425
269	412	1375	-68	0	-643
270	412	1375	-68	0	-643
271	636	108	22	176	242
272	492	352	24	-191	261
273	405	660	-17	-93	237
274	350	907	-41	262	342
275	306	1019	-31	0	479
276	306	1019	-31	0	479
277	699	104	0	0	166
278	541	348	0	0	223
279	435	634	0	0	372
280	349	836	0	0	597
281	265	885	0	0	729
282	265	885	0	0	729
283	636	108	154	2194	242
284	492	352	174	322	261
285	405	660	159	161	237

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
286	350	907	112	-77	342
287	306	1019	59	0	479
288	306	1019	59	0	479
289	365	56	304	5316	336
290	289	370	250	1061	73
291	310	767	282	1292	-187
292	336	1096	178	253	-425
293	412	1375	100	0	-643
294	412	1375	100	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	336	2888	199
298	337	1396	184	584	-2383
299	532	1774	99	0	-2087
300	532	1774	99	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1691	0	0	-1268
305	588	1959	0	0	-2033
306	588	1959	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199
310	337	1396	-81	400	-2383
311	532	1774	-73	0	-2087
312	532	1774	-73	0	-2087
313	365	56	127	1533	336
314	289	370	4	-664	73
315	310	767	-26	-127	-187
316	336	1096	-94	436	-425
317	412	1375	-68	0	-643
318	412	1375	-68	0	-643
319	636	108	22	176	242
320	492	352	24	-191	261
321	405	660	-17	-93	237
322	350	907	-41	262	342
323	306	1019	-31	0	479
324	306	1019	-31	0	479
325	699	104	0	0	166
326	541	348	0	0	223
327	435	634	0	0	372
328	349	836	0	0	597
329	265	885	0	0	729
330	265	885	0	0	729
331	636	108	154	2194	242
332	492	352	174	322	261
333	405	660	159	161	237
334	350	907	112	-77	342
335	306	1019	59	0	479
336	306	1019	59	0	479
337	365	56	304	5316	336
338	289	370	250	1061	73
339	310	767	282	1292	-187
340	336	1096	178	253	-425
341	412	1375	100	0	-643
342	412	1375	100	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	336	2888	199
346	337	1396	184	584	-2383
347	532	1774	99	0	-2087
348	532	1774	99	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1691	0	0	-1268
353	588	1959	0	0	-2033
354	588	1959	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	337	1396	-81	400	-2383
359	532	1774	-73	0	-2087
360	532	1774	-73	0	-2087
361	365	56	127	1533	336
362	289	370	4	-664	73
363	310	767	-26	-127	-187
364	336	1096	-94	436	-425
365	412	1375	-68	0	-643
366	412	1375	-68	0	-643
367	636	108	22	176	242
368	492	352	24	-191	261
369	405	660	-17	-93	237
370	350	907	-41	262	342
371	306	1019	-31	0	479
372	306	1019	-31	0	479
373	699	104	0	0	166
374	541	348	0	0	223
375	435	634	0	0	372
376	349	836	0	0	597
377	265	885	0	0	729
378	265	885	0	0	729



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
379	636	108	154	2194	242
380	492	352	174	322	261
381	405	660	159	161	237
382	350	907	112	-77	342
383	306	1019	59	0	479
384	306	1019	59	0	479
385	365	56	304	5316	336
386	289	370	250	1061	73
387	310	767	282	1292	-187
388	336	1096	178	253	-425
389	412	1375	100	0	-643
390	412	1375	100	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	336	2888	199
394	337	1396	184	584	-2383
395	532	1774	99	0	-2087
396	532	1774	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1691	0	0	-1268
401	588	1959	0	0	-2033
402	588	1959	0	0	-2033
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	337	1396	-81	400	-2383
407	532	1774	-73	0	-2087
408	532	1774	-73	0	-2087
409	365	56	127	1533	336
410	289	370	4	-664	73
411	310	767	-26	-127	-187
412	336	1096	-94	436	-424
413	412	1375	-68	0	-643
414	412	1375	-68	0	-643
415	636	108	22	176	242
416	492	352	24	-191	261
417	405	660	-17	-93	237
418	350	907	-41	262	342
419	306	1019	-31	0	479
420	306	1019	-31	0	479
421	699	104	0	0	166
422	541	348	0	0	223
423	435	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	492	352	174	322	261
429	405	660	159	161	237
430	350	907	112	-77	342
431	306	1019	59	0	479
432	306	1019	59	0	479
433	365	56	304	5316	336
434	289	370	250	1061	73
435	310	767	282	1292	-187
436	336	1096	178	253	-425
437	412	1375	100	0	-643
438	412	1375	100	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	336	2888	199
442	337	1396	184	584	-2383
443	532	1774	99	0	-2087
444	532	1774	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1691	0	0	-1268
449	588	1959	0	0	-2033
450	588	1959	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	337	1396	-81	400	-2383
455	532	1774	-73	0	-2087
456	532	1774	-73	0	-2087
457	365	56	127	1533	336
458	289	370	4	-664	73
459	310	767	-26	-127	-187
460	336	1096	-94	436	-424
461	412	1375	-68	0	-643
462	412	1375	-68	0	-643
463	636	108	22	176	242
464	492	352	24	-191	261
465	405	660	-17	-93	237
466	350	907	-41	261	342
467	306	1019	-31	0	479
468	306	1019	-31	0	479
469	699	104	0	0	166
470	541	348	0	0	223
471	435	634	0	0	372

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
472	349	836	0	0	597	
473	265	885	0	0	729	
474	265	885	0	0	729	
475	636	108	154	2194	242	
476	492	352	174	322	261	
477	405	661	159	161	237	
478	350	907	112	-77	342	
479	306	1019	59	0	479	
480	306	1019	59	0	479	
481	365	56	304	5316	336	
482	289	370	251	1061	73	
483	310	767	282	1292	-187	
484	336	1096	178	253	-424	
485	412	1375	100	0	-643	
486	412	1375	100	0	-643	
487	-231	-30	235	6363	3379	
488	56	406	579	4530	3300	
489	-4	740	336	2888	199	
490	337	1397	184	584	-2383	
491	532	1775	100	0	-2088	
492	532	1775	100	0	-2088	
493	445	904	0	1	13223	
494	-1385	-445	0	1	7774	
495	285	2174	0	0	910	
496	403	1691	0	0	-1270	
497	588	1960	0	0	-2035	
498	588	1960	0	0	-2035	
499	-231	-30	174	3440	3379	
500	56	406	474	-3367	3300	
501	-4	740	18	361	199	
502	337	1397	-80	400	-2385	
503	533	1775	-73	0	-2090	
504	533	1775	-73	0	-2090	
505	364	56	127	1534	336	
506	288	369	5	-659	73	
507	310	767	-25	-123	-187	
508	336	1096	-94	438	-424	
509	413	1376	-68	0	-643	
510	413	1376	-68	0	-643	
511	632	107	23	178	242	
512	489	351	24	-180	261	
513	404	659	-17	-94	236	
514	349	907	-41	267	341	
515	306	1020	-31	0	479	
516	306	1020	-31	0	479	
517	691	103	0	4	165	
518	535	345	1	21	222	
519	432	630	1	16	371	
520	348	834	0	12	596	
521	266	886	0	0	729	
522	266	886	0	0	729	
523	620	105	149	2169	241	
524	481	347	168	334	259	
525	399	653	154	192	235	
526	347	901	109	-79	340	
527	305	1018	58	0	477	
528	305	1018	58	0	477	
529	337	52	294	5258	334	
530	270	359	238	1086	70	
531	297	752	271	1291	-191	
532	330	1082	172	250	-429	
533	411	1368	100	0	-648	
534	411	1368	100	0	-648	
535	-232	-38	215	6238	3376	
536	52	387	556	4574	3296	
537	-28	710	316	2889	192	
538	323	1366	171	581	-2434	
539	527	1755	98	0	-2158	
540	527	1755	98	0	-2158	
541	443	904	1	22	13302	
542	-1387	-479	1	191	7836	
543	243	2119	1	156	919	
544	376	1631	1	157	-1328	
545	574	1913	1	0	-2125	
546	574	1913	1	0	-2125	
547	-240	-51	175	3468	3377	
548	46	349	473	-3135	3293	
549	-77	644	18	598	181	
550	288	1285	-81	659	-2430	
551	503	1675	-75	0	-2183	
552	503	1675	-75	0	-2183	
553	162	26	127	1567	336	
554	136	279	2	-262	66	
555	193	609	-29	211	-203	
556	251	898	-98	841	-459	
557	353	1178	-70	0	-688	
558	353	1178	-70	0	-688	
559	353	65	21	219	242	
560	273	216	19	311	260	
561	231	410	-26	266	229	
562	211	573	-52	849	316	
563	196	654	-37	0	435	
564	196	654	-37	0	435	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
565	349	52	4	92	153
566	265	155	-7	523	241
567	200	259	-17	455	425
568	139	302	-24	754	652
569	74	246	-15	0	821
570	74	246	-15	0	821
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	427	515
574	69	101	-9	588	845
575	-8	-28	-5	0	1017
576	-8	-28	-5	0	1017
577	204	31	-1	23	139
578	142	53	-3	401	268
579	82	43	-3	337	592
580	15	-35	-3	406	914
581	-59	-197	-2	0	1077
582	-59	-197	-2	0	1077
583	136	21	0	12	140
584	89	20	0	284	301
585	37	-19	0	234	624
586	-21	-122	0	259	936
587	-88	-295	0	0	1091
588	-88	-295	0	0	1091
589	85	14	1	8	151
590	50	-2	2	187	316
591	9	-57	2	133	635
592	-43	-172	3	130	943
593	-105	-351	1	0	1097
594	-105	-351	1	0	1097
595	44	6	0	18	138
596	22	-15	1	115	281
597	-2	-78	3	50	583
598	-38	-195	7	-32	929
599	-107	-355	7	0	1115
600	-107	-355	7	0	1115
601	18	16	-2	32	215
602	4	-16	-4	84	401
603	-4	-89	-6	18	709
604	4	-199	12	-128	845
605	-95	-317	35	0	874
606	-95	-317	35	0	874

Combinazione n° 8 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	47	138
3	22	-15	22	5	281
4	4	-16	18	-2	441
5	85	14	33	215	151
6	50	-2	40	9	316
7	-2	-78	21	40	583
8	-4	-89	24	35	781
9	9	-57	38	27	635
10	136	21	58	449	140
11	89	20	69	-7	301
12	37	-19	65	-4	624
13	-38	-195	11	118	959
14	4	-199	2	194	918
15	-43	-172	24	40	962
16	-21	-122	42	-1	938
17	204	31	96	814	139
18	142	53	113	-29	268
19	82	43	108	-31	592
20	15	-35	70	-33	914
21	-107	-355	4	0	1164
22	-95	-317	-21	0	941
23	-105	-351	12	0	1131
24	-88	-295	20	0	1117
25	-59	-197	35	0	1077
26	283	43	150	1398	139
27	207	98	175	-40	260
28	139	135	168	-59	515
29	69	101	112	-80	845
30	-8	-28	57	0	1017
31	-8	-28	57	0	1017
32	-8	-28	57	0	1017
33	-8	-28	57	0	1017
34	-8	-28	57	0	1017
35	-8	-28	57	0	1017
36	-8	-28	57	0	1017
37	349	52	222	2313	153
38	267	155	253	7	241
39	201	259	246	-45	425
40	139	302	168	-161	652
41	74	246	88	0	821
42	74	246	88	0	821
43	353	65	304	3593	242
44	283	216	349	244	260
45	245	410	327	42	229

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
46	215	573	232	-161	316
47	196	654	124	0	435
48	196	654	124	0	435
49	162	26	401	6133	336
50	150	279	364	895	66
51	218	609	390	1256	-203
52	259	898	272	218	-459
53	353	1178	150	0	-688
54	353	1178	150	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	4411	3293
57	-77	644	402	2870	181
58	288	1285	244	573	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	443	904	35	244	13302
62	-1387	-479	41	-8	7836
63	243	2119	38	-7	919
64	376	1631	23	-1	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192
70	323	1366	-81	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	337	52	126	1522	334
74	283	359	3	-735	70
75	321	752	-27	-183	-191
76	335	1082	-95	387	-429
77	411	1368	-68	0	-648
78	411	1368	-68	0	-648
79	620	105	22	169	241
80	492	347	23	-231	259
81	414	653	-18	-93	235
82	349	901	-41	254	340
83	305	1018	-31	0	477
84	305	1018	-31	0	477
85	691	103	2	8	165
86	543	345	3	2	222
87	440	630	2	1	371
88	348	834	1	2	596
89	266	886	0	0	729
90	266	886	0	0	729
91	632	107	155	2195	242
92	499	351	175	319	261
93	419	659	160	180	236
94	352	907	122	-76	341
95	306	1020	68	0	479
96	306	1020	68	0	479
97	364	56	304	5315	336
98	301	369	251	1060	73
99	332	767	282	1293	-187
100	342	1096	204	254	-424
101	413	1376	116	0	-643
102	413	1376	116	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	336	2889	199
106	337	1397	204	584	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1691	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	337	1397	-81	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	365	56	127	1533	336
122	301	370	4	-664	73
123	333	767	-26	-127	-187
124	342	1096	-94	436	-424
125	412	1375	-68	0	-643
126	412	1375	-68	0	-643
127	636	108	22	176	242
128	501	352	24	-191	261
129	420	661	-17	-93	237
130	352	907	-41	277	342
131	306	1019	-31	0	479
132	306	1019	-31	0	479
133	699	104	0	0	166
134	548	348	0	0	223
135	443	634	0	0	372
136	349	836	0	0	597
137	265	885	0	0	729
138	265	885	0	0	729

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
139	636	108	154	2194	242
140	501	352	174	322	261
141	420	660	159	187	237
142	352	907	121	-77	342
143	306	1019	68	0	479
144	306	1019	68	0	479
145	365	56	304	5316	336
146	301	370	250	1061	73
147	333	767	282	1292	-187
148	342	1096	204	253	-425
149	412	1375	116	0	-643
150	412	1375	116	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	336	2888	199
154	337	1396	204	584	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1691	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	337	1396	-81	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	365	56	127	1533	336
170	301	370	4	-664	73
171	333	767	-26	-127	-187
172	342	1096	-94	436	-425
173	412	1375	-68	0	-643
174	412	1375	-68	0	-643
175	636	108	22	176	242
176	501	352	24	-191	261
177	420	660	-17	-93	237
178	352	907	-41	277	342
179	306	1019	-31	0	479
180	306	1019	-31	0	479
181	699	104	0	0	166
182	548	348	0	0	223
183	443	634	0	0	372
184	349	836	0	0	597
185	265	885	0	0	729
186	265	885	0	0	729
187	636	108	154	2194	242
188	501	352	174	322	261
189	420	660	159	187	237
190	352	907	121	-77	342
191	306	1019	68	0	479
192	306	1019	68	0	479
193	365	56	304	5316	336
194	301	370	250	1061	73
195	333	767	282	1292	-187
196	342	1096	204	253	-425
197	412	1375	116	0	-643
198	412	1375	116	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	336	2888	199
202	337	1396	204	584	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1691	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	337	1396	-81	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	365	56	127	1533	336
218	301	370	4	-664	73
219	333	767	-26	-127	-187
220	342	1096	-94	436	-425
221	412	1375	-68	0	-643
222	412	1375	-68	0	-643
223	636	108	22	176	242
224	501	352	24	-191	261
225	420	660	-17	-93	237
226	352	907	-41	277	342
227	306	1019	-31	0	479
228	306	1019	-31	0	479
229	699	104	0	0	166
230	548	348	0	0	223
231	443	634	0	0	372

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
232	349	836	0	0	597	
233	265	885	0	0	729	
234	265	885	0	0	729	
235	636	108	154	2194	242	
236	501	352	174	322	261	
237	420	660	159	187	237	
238	352	907	121	-77	342	
239	306	1019	68	0	479	
240	306	1019	68	0	479	
241	365	56	304	5316	336	
242	301	370	250	1061	73	
243	333	767	282	1292	-187	
244	342	1096	204	253	-425	
245	412	1375	116	0	-643	
246	412	1375	116	0	-643	
247	-231	-30	235	6362	3379	
248	56	406	579	4531	3300	
249	-4	740	336	2888	199	
250	337	1396	204	584	-2383	
251	566	1885	99	0	-2087	
252	566	1885	99	0	-2087	
253	445	904	0	0	13223	
254	-1385	-445	0	0	7774	
255	285	2174	0	0	911	
256	403	1691	0	0	-1268	
257	645	2152	0	0	-2033	
258	645	2152	0	0	-2033	
259	-231	-30	174	3440	3379	
260	56	406	474	-3366	3300	
261	-4	740	18	359	199	
262	337	1396	-81	400	-2383	
263	566	1885	-73	0	-2087	
264	566	1885	-73	0	-2087	
265	365	56	127	1533	336	
266	301	370	4	-664	73	
267	333	767	-26	-127	-187	
268	342	1096	-94	436	-425	
269	412	1375	-68	0	-643	
270	412	1375	-68	0	-643	
271	636	108	22	176	242	
272	501	352	24	-191	261	
273	420	660	-17	-93	237	
274	352	907	-41	277	342	
275	306	1019	-31	0	479	
276	306	1019	-31	0	479	
277	699	104	0	0	166	
278	548	348	0	0	223	
279	443	634	0	0	372	
280	349	836	0	0	597	
281	265	885	0	0	729	
282	265	885	0	0	729	
283	636	108	154	2194	242	
284	501	352	174	322	261	
285	420	660	159	187	237	
286	352	907	121	-77	342	
287	306	1019	68	0	479	
288	306	1019	68	0	479	
289	365	56	304	5316	336	
290	301	370	250	1061	73	
291	333	767	282	1292	-187	
292	342	1096	204	253	-425	
293	412	1375	116	0	-643	
294	412	1375	116	0	-643	
295	-231	-30	235	6362	3379	
296	56	406	579	4531	3300	
297	-4	740	336	2888	199	
298	337	1396	204	584	-2383	
299	566	1885	99	0	-2087	
300	566	1885	99	0	-2087	
301	445	904	0	0	13223	
302	-1385	-445	0	0	7774	
303	285	2174	0	0	911	
304	403	1691	0	0	-1268	
305	645	2152	0	0	-2033	
306	645	2152	0	0	-2033	
307	-231	-30	174	3440	3379	
308	56	406	474	-3366	3300	
309	-4	740	18	359	199	
310	337	1396	-81	400	-2383	
311	566	1885	-73	0	-2087	
312	566	1885	-73	0	-2087	
313	365	56	127	1533	336	
314	301	370	4	-664	73	
315	333	767	-26	-127	-187	
316	342	1096	-94	436	-425	
317	412	1375	-68	0	-643	
318	412	1375	-68	0	-643	
319	636	108	22	176	242	
320	501	352	24	-191	261	
321	420	660	-17	-93	237	
322	352	907	-41	277	342	
323	306	1019	-31	0	479	
324	306	1019	-31	0	479	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
325	699	104	0	0	166	
326	548	348	0	0	223	
327	443	634	0	0	372	
328	349	836	0	0	597	
329	265	885	0	0	729	
330	265	885	0	0	729	
331	636	108	154	2194	242	
332	501	352	174	322	261	
333	420	660	159	187	237	
334	352	907	121	-77	342	
335	306	1019	68	0	479	
336	306	1019	68	0	479	
337	365	56	304	5316	336	
338	301	370	250	1061	73	
339	333	767	282	1292	-187	
340	342	1096	204	253	-425	
341	412	1375	116	0	-643	
342	412	1375	116	0	-643	
343	-231	-30	235	6362	3379	
344	56	406	579	4531	3300	
345	-4	740	336	2888	199	
346	337	1396	204	584	-2383	
347	566	1885	99	0	-2087	
348	566	1885	99	0	-2087	
349	445	904	0	0	13223	
350	-1385	-445	0	0	7774	
351	285	2174	0	0	911	
352	403	1691	0	0	-1268	
353	645	2152	0	0	-2033	
354	645	2152	0	0	-2033	
355	-231	-30	174	3440	3379	
356	56	406	474	-3366	3300	
357	-4	740	18	359	199	
358	337	1396	-81	400	-2383	
359	566	1885	-73	0	-2087	
360	566	1885	-73	0	-2087	
361	365	56	127	1533	336	
362	301	370	4	-664	73	
363	333	767	-26	-127	-187	
364	342	1096	-94	436	-425	
365	412	1375	-68	0	-643	
366	412	1375	-68	0	-643	
367	636	108	22	176	242	
368	501	352	24	-191	261	
369	420	660	-17	-93	237	
370	352	907	-41	277	342	
371	306	1019	-31	0	479	
372	306	1019	-31	0	479	
373	699	104	0	0	166	
374	548	348	0	0	223	
375	443	634	0	0	372	
376	349	836	0	0	597	
377	265	885	0	0	729	
378	265	885	0	0	729	
379	636	108	154	2194	242	
380	501	352	174	322	261	
381	420	660	159	187	237	
382	352	907	121	-77	342	
383	306	1019	68	0	479	
384	306	1019	68	0	479	
385	365	56	304	5316	336	
386	301	370	250	1061	73	
387	333	767	282	1292	-187	
388	342	1096	204	253	-425	
389	412	1375	116	0	-643	
390	412	1375	116	0	-643	
391	-231	-30	235	6362	3379	
392	56	406	579	4531	3300	
393	-4	740	336	2888	199	
394	337	1396	204	584	-2383	
395	566	1885	99	0	-2087	
396	566	1885	99	0	-2087	
397	445	904	0	0	13223	
398	-1385	-445	0	0	7774	
399	285	2174	0	0	911	
400	403	1691	0	0	-1268	
401	645	2152	0	0	-2033	
402	645	2152	0	0	-2033	
403	-231	-30	174	3440	3379	
404	56	406	474	-3366	3300	
405	-4	740	18	359	199	
406	337	1396	-81	400	-2383	
407	566	1885	-73	0	-2087	
408	566	1885	-73	0	-2087	
409	365	56	127	1533	336	
410	301	370	4	-664	73	
411	333	767	-26	-127	-187	
412	342	1096	-94	436	-425	
413	412	1375	-68	0	-643	
414	412	1375	-68	0	-643	
415	636	108	22	176	242	
416	501	352	24	-191	261	
417	420	660	-17	-93	237	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
418	352	907	-41	277	342
419	306	1019	-31	0	479
420	306	1019	-31	0	479
421	699	104	0	0	166
422	548	348	0	0	223
423	443	634	0	0	372
424	349	836	0	0	597
425	265	885	0	0	729
426	265	885	0	0	729
427	636	108	154	2194	242
428	501	352	174	322	261
429	420	660	159	187	237
430	352	907	121	-77	342
431	306	1019	68	0	479
432	306	1019	68	0	479
433	365	56	304	5316	336
434	301	370	250	1061	73
435	333	767	282	1292	-187
436	342	1096	204	253	-425
437	412	1375	116	0	-643
438	412	1375	116	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	336	2888	199
442	337	1396	204	584	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1691	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	337	1396	-81	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	365	56	127	1533	336
458	301	370	4	-664	73
459	333	767	-26	-127	-187
460	342	1096	-94	436	-424
461	412	1375	-68	0	-643
462	412	1375	-68	0	-643
463	636	108	22	176	242
464	501	352	24	-191	261
465	420	660	-17	-93	237
466	352	907	-41	277	342
467	306	1019	-31	0	479
468	306	1019	-31	0	479
469	699	104	0	0	166
470	548	348	0	0	223
471	443	634	0	0	372
472	349	836	0	0	597
473	265	885	0	0	729
474	265	885	0	0	729
475	636	108	154	2194	242
476	501	352	174	322	261
477	420	661	159	187	237
478	352	907	121	-77	342
479	306	1019	68	0	479
480	306	1019	68	0	479
481	365	56	304	5316	336
482	301	370	251	1061	73
483	333	767	282	1292	-187
484	342	1096	204	253	-424
485	412	1375	116	0	-643
486	412	1375	116	0	-643
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	336	2888	199
490	337	1397	204	584	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	445	904	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1691	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	337	1397	-80	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	364	56	127	1534	336
506	301	369	5	-659	73
507	332	767	-25	-123	-187
508	342	1096	-94	438	-424
509	413	1376	-68	0	-643
510	413	1376	-68	0	-643



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
511	632	107	23	178	242
512	499	351	24	-180	261
513	419	659	-17	-94	236
514	352	907	-41	282	341
515	306	1020	-31	0	479
516	306	1020	-31	0	479
517	691	103	0	4	165
518	543	345	1	21	222
519	440	630	1	16	371
520	348	834	0	12	596
521	266	886	0	0	729
522	266	886	0	0	729
523	620	105	149	2169	241
524	492	347	168	334	259
525	414	653	154	217	235
526	349	901	119	-79	340
527	305	1018	67	0	477
528	305	1018	67	0	477
529	337	52	294	5258	334
530	283	359	238	1086	70
531	321	752	271	1291	-191
532	335	1082	198	250	-429
533	411	1368	114	0	-648
534	411	1368	114	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	4592	3296
537	-28	710	316	2889	192
538	323	1366	192	581	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	191	7836
543	243	2119	1	156	919
544	376	1631	1	157	-1328
545	633	2110	1	0	-2125
546	633	2110	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	288	1285	-81	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	162	26	127	1567	336
554	150	279	2	-262	66
555	218	609	-29	211	-203
556	259	898	-98	841	-459
557	353	1178	-70	0	-688
558	353	1178	-70	0	-688
559	353	65	21	219	242
560	283	216	19	311	260
561	245	410	-26	266	229
562	215	573	-52	867	316
563	196	654	-37	0	435
564	196	654	-37	0	435
565	349	52	4	92	153
566	267	155	-7	523	241
567	201	259	-17	455	425
568	139	302	-24	776	652
569	74	246	-15	0	821
570	74	246	-15	0	821
571	283	43	-2	38	139
572	207	98	-5	501	260
573	139	135	-9	430	515
574	69	101	-9	590	845
575	-8	-28	-5	0	1017
576	-8	-28	-5	0	1017
577	204	31	-1	23	139
578	142	53	-3	401	268
579	82	43	-3	337	592
580	15	-35	-3	406	914
581	-59	-197	-2	0	1077
582	-59	-197	-2	0	1077
583	136	21	0	12	140
584	89	20	0	284	301
585	37	-19	0	234	624
586	-21	-122	0	259	938
587	-88	-295	0	0	1117
588	-88	-295	0	0	1117
589	85	14	1	8	151
590	50	-2	2	187	316
591	9	-57	2	133	635
592	-43	-172	3	130	962
593	-105	-351	1	0	1131
594	-105	-351	1	0	1131
595	44	6	0	18	138
596	22	-15	1	115	281
597	-2	-78	3	50	583
598	-38	-195	7	-32	959
599	-107	-355	7	0	1164
600	-107	-355	7	0	1164
601	18	16	-2	32	215
602	4	-16	-4	84	441
603	-4	-89	-6	18	781

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
604	4	-199	12	-128	918
605	-95	-317	35	0	941
606	-95	-317	35	0	941

Combinazione n° 9 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	48	138
3	22	-14	23	5	281
4	4	-15	18	-2	441
5	87	14	34	218	151
6	51	-1	41	9	316
7	-2	-78	22	40	583
8	-4	-89	24	35	781
9	9	-56	39	27	635
10	139	22	59	456	140
11	91	21	71	-7	301
12	39	-17	67	-4	624
13	-38	-195	12	118	959
14	4	-199	3	194	918
15	-43	-171	24	40	962
16	-21	-120	43	-1	938
17	208	32	98	828	139
18	146	54	116	-29	268
19	84	46	110	-31	592
20	17	-32	72	-33	914
21	-107	-355	4	0	1164
22	-95	-317	-21	0	941
23	-105	-350	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	139
27	212	101	179	-40	260
28	143	140	171	-59	515
29	72	108	115	-80	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	153
38	272	158	258	7	241
39	207	266	251	-45	425
40	144	312	170	-161	652
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	242
44	283	220	355	244	260
45	245	420	334	42	229
46	219	590	232	-161	316
47	203	678	124	0	435
48	203	678	124	0	435
49	163	26	403	6186	336
50	150	279	371	895	66
51	218	617	398	1256	-203
52	261	921	272	218	-459
53	366	1221	150	0	-688
54	366	1221	150	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	4411	3293
57	-77	644	409	2870	181
58	292	1315	244	573	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	443	904	35	248	13302
62	-1387	-479	42	-8	7836
63	243	2119	39	-7	919
64	376	1664	24	-1	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192
70	328	1397	-81	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	126	1522	334
74	283	361	3	-735	70
75	321	762	-27	-183	-191
76	341	1108	-95	387	-429
77	424	1415	-68	0	-648
78	424	1415	-68	0	-648
79	633	106	22	169	241
80	494	353	23	-231	259
81	414	667	-18	-93	235
82	358	924	-41	254	340
83	315	1048	-31	0	477
84	315	1048	-31	0	477

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
85	706	105	2	8	165
86	549	352	3	2	222
87	445	645	2	1	371
88	358	856	1	2	596
89	274	912	0	0	729
90	274	912	0	0	729
91	645	108	157	2229	242
92	502	357	177	319	261
93	419	673	163	180	236
94	361	930	122	-76	341
95	315	1051	68	0	479
96	315	1051	68	0	479
97	369	57	305	5354	336
98	301	371	255	1060	73
99	332	778	288	1293	-187
100	348	1123	204	254	-424
101	427	1422	116	0	-643
102	427	1422	116	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	342	2889	199
106	343	1429	204	584	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1726	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	342	1428	-81	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	371	57	127	1533	336
122	301	371	4	-664	73
123	333	778	-26	-127	-187
124	348	1123	-94	436	-424
125	426	1421	-68	0	-643
126	426	1421	-68	0	-643
127	648	108	22	176	242
128	505	358	24	-191	261
129	420	674	-17	-93	237
130	361	930	-41	277	342
131	315	1049	-31	0	479
132	315	1049	-31	0	479
133	714	106	0	0	166
134	555	355	0	0	223
135	448	648	0	0	372
136	359	858	0	0	597
137	273	911	0	0	729
138	273	911	0	0	729
139	648	108	156	2227	242
140	505	358	176	322	261
141	420	674	162	187	237
142	361	930	121	-77	342
143	315	1049	68	0	479
144	315	1049	68	0	479
145	371	57	305	5355	336
146	301	371	255	1061	73
147	333	778	288	1292	-187
148	348	1123	204	253	-424
149	426	1421	116	0	-643
150	426	1421	116	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	342	2888	199
154	342	1428	204	584	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1725	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	342	1428	-81	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	371	57	127	1533	336
170	301	371	4	-664	73
171	333	778	-26	-127	-187
172	348	1123	-94	436	-425
173	426	1421	-68	0	-643
174	426	1421	-68	0	-643
175	648	108	22	176	242
176	505	358	24	-191	261
177	420	674	-17	-93	237

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
178	361	930	-41	277	342
179	315	1049	-31	0	479
180	315	1049	-31	0	479
181	714	106	0	0	166
182	554	355	0	0	223
183	448	648	0	0	372
184	359	858	0	0	597
185	273	911	0	0	729
186	273	911	0	0	729
187	648	108	156	2227	242
188	505	358	176	322	261
189	420	674	162	187	237
190	361	930	121	-77	342
191	315	1049	68	0	479
192	315	1049	68	0	479
193	371	57	305	5355	336
194	301	371	255	1061	73
195	333	778	288	1292	-187
196	348	1123	204	253	-425
197	426	1421	116	0	-643
198	426	1421	116	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	342	2888	199
202	342	1428	204	584	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	342	1428	-81	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	127	1533	336
218	301	371	4	-664	73
219	333	778	-26	-127	-187
220	348	1123	-94	436	-425
221	426	1421	-68	0	-643
222	426	1421	-68	0	-643
223	648	108	22	176	242
224	505	358	24	-191	261
225	420	674	-17	-93	237
226	361	930	-41	277	342
227	315	1049	-31	0	479
228	315	1049	-31	0	479
229	714	106	0	0	166
230	554	355	0	0	223
231	448	648	0	0	372
232	359	858	0	0	597
233	273	911	0	0	729
234	273	911	0	0	729
235	648	108	156	2227	242
236	505	358	176	322	261
237	420	674	162	187	237
238	361	930	121	-77	342
239	315	1049	68	0	479
240	315	1049	68	0	479
241	371	57	305	5355	336
242	301	371	255	1061	73
243	333	778	288	1292	-187
244	348	1123	204	253	-425
245	426	1421	116	0	-643
246	426	1421	116	0	-643
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	342	2888	199
250	342	1428	204	584	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	342	1428	-81	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	127	1533	336
266	301	371	4	-664	73
267	333	778	-26	-127	-187
268	348	1123	-94	436	-425
269	426	1421	-68	0	-643
270	426	1421	-68	0	-643

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
271	648	108	22	176	242
272	505	358	24	-191	261
273	420	674	-17	-93	237
274	361	930	-41	277	342
275	315	1049	-31	0	479
276	315	1049	-31	0	479
277	714	106	0	0	166
278	554	355	0	0	223
279	448	648	0	0	372
280	359	858	0	0	597
281	273	911	0	0	729
282	273	911	0	0	729
283	648	108	156	2227	242
284	505	358	176	322	261
285	420	674	162	187	237
286	361	930	121	-77	342
287	315	1049	68	0	479
288	315	1049	68	0	479
289	371	57	305	5355	336
290	301	371	255	1061	73
291	333	778	288	1292	-187
292	348	1123	204	253	-425
293	426	1421	116	0	-643
294	426	1421	116	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	342	2888	199
298	342	1428	204	584	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199
310	342	1428	-81	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	127	1533	336
314	301	371	4	-664	73
315	333	778	-26	-127	-187
316	348	1123	-94	436	-425
317	426	1421	-68	0	-643
318	426	1421	-68	0	-643
319	648	108	22	176	242
320	505	358	24	-191	261
321	420	674	-17	-93	237
322	361	930	-41	277	342
323	315	1049	-31	0	479
324	315	1049	-31	0	479
325	714	106	0	0	166
326	554	355	0	0	223
327	448	648	0	0	372
328	359	858	0	0	597
329	273	911	0	0	729
330	273	911	0	0	729
331	648	108	156	2227	242
332	505	358	176	322	261
333	420	674	162	187	237
334	361	930	121	-77	342
335	315	1049	68	0	479
336	315	1049	68	0	479
337	371	57	305	5355	336
338	301	371	255	1061	73
339	333	778	288	1292	-187
340	348	1123	204	253	-425
341	426	1421	116	0	-643
342	426	1421	116	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	342	2888	199
346	342	1428	204	584	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	342	1428	-81	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	127	1533	336
362	301	371	4	-664	73
363	333	778	-26	-127	-187

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
364	348	1123	-94	436	-425
365	426	1421	-68	0	-643
366	426	1421	-68	0	-643
367	648	108	22	176	242
368	505	358	24	-191	261
369	420	674	-17	-93	237
370	361	930	-41	277	342
371	315	1049	-31	0	479
372	315	1049	-31	0	479
373	714	106	0	0	166
374	554	355	0	0	223
375	448	648	0	0	372
376	359	858	0	0	597
377	273	911	0	0	729
378	273	911	0	0	729
379	648	108	156	2227	242
380	505	358	176	322	261
381	420	674	162	187	237
382	361	930	121	-77	342
383	315	1049	68	0	479
384	315	1049	68	0	479
385	371	57	305	5355	336
386	301	371	255	1061	73
387	333	778	288	1292	-187
388	348	1123	204	253	-425
389	426	1421	116	0	-643
390	426	1421	116	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	342	2888	199
394	342	1428	204	584	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	342	1428	-81	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	127	1533	336
410	301	371	4	-664	73
411	333	778	-26	-127	-187
412	348	1123	-94	436	-425
413	426	1421	-68	0	-643
414	426	1421	-68	0	-643
415	648	108	22	176	242
416	505	358	24	-191	261
417	420	674	-17	-93	237
418	361	930	-41	277	342
419	315	1049	-31	0	479
420	315	1049	-31	0	479
421	714	106	0	0	166
422	554	355	0	0	223
423	448	648	0	0	372
424	359	858	0	0	597
425	273	911	0	0	729
426	273	911	0	0	729
427	648	108	156	2227	242
428	505	358	176	322	261
429	420	674	162	187	237
430	361	930	121	-77	342
431	315	1049	68	0	479
432	315	1049	68	0	479
433	371	57	305	5355	336
434	301	371	255	1061	73
435	333	778	288	1292	-187
436	348	1123	204	253	-425
437	426	1421	116	0	-643
438	426	1421	116	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	342	2888	199
442	342	1428	204	584	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	342	1428	-81	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
457	371	57	127	1533	336
458	301	371	4	-664	73
459	333	778	-26	-127	-187
460	348	1123	-94	436	-424
461	426	1421	-68	0	-643
462	426	1421	-68	0	-643
463	648	108	22	176	242
464	505	358	24	-191	261
465	420	674	-17	-93	237
466	361	930	-41	277	342
467	315	1049	-31	0	479
468	315	1049	-31	0	479
469	714	106	0	0	166
470	555	355	0	0	223
471	448	648	0	0	372
472	359	858	0	0	597
473	273	911	0	0	729
474	273	911	0	0	729
475	648	108	156	2228	242
476	505	358	176	322	261
477	420	674	162	187	237
478	361	930	121	-77	342
479	315	1049	68	0	479
480	315	1049	68	0	479
481	371	57	305	5355	336
482	301	371	255	1061	73
483	333	778	288	1292	-187
484	348	1123	204	253	-424
485	426	1421	116	0	-643
486	426	1421	116	0	-643
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	342	2888	199
490	342	1428	204	584	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	445	904	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	343	1429	-80	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	127	1534	336
506	301	371	5	-659	73
507	332	778	-25	-123	-187
508	348	1123	-94	438	-424
509	427	1422	-68	0	-643
510	427	1422	-68	0	-643
511	645	108	23	178	242
512	502	357	24	-180	261
513	419	673	-17	-94	236
514	361	930	-41	282	341
515	315	1051	-31	0	479
516	315	1051	-31	0	479
517	706	105	0	4	165
518	549	352	1	22	222
519	445	645	1	17	371
520	358	856	0	12	596
521	274	912	0	0	729
522	274	912	0	0	729
523	633	106	151	2203	241
524	494	353	170	334	259
525	414	667	157	217	235
526	358	924	119	-79	340
527	315	1048	67	0	477
528	315	1048	67	0	477
529	342	53	294	5296	334
530	283	361	243	1086	70
531	321	762	277	1291	-191
532	341	1108	198	250	-429
533	424	1415	114	0	-648
534	424	1415	114	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	4592	3296
537	-28	710	321	2889	192
538	328	1397	192	581	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	195	7836
543	243	2119	1	159	919
544	376	1664	1	160	-1328
545	633	2110	1	0	-2125
546	633	2110	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
550	292	1315	-81	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	127	1567	336
554	150	279	2	-262	66
555	218	617	-29	211	-203
556	261	921	-98	848	-459
557	366	1221	-70	0	-688
558	366	1221	-70	0	-688
559	359	65	21	219	242
560	283	220	19	311	260
561	245	420	-26	269	229
562	219	590	-52	871	316
563	203	678	-37	0	435
564	203	678	-37	0	435
565	357	53	4	92	153
566	272	158	-7	532	241
567	207	266	-17	465	425
568	144	312	-24	776	652
569	78	259	-15	0	821
570	78	259	-15	0	821
571	289	44	-2	38	139
572	212	101	-5	512	260
573	143	140	-9	438	515
574	72	108	-9	602	845
575	-6	-21	-5	0	1017
576	-6	-21	-5	0	1017
577	208	32	-1	23	139
578	146	54	-3	410	268
579	84	46	-3	345	592
580	17	-32	-3	415	914
581	-58	-193	-2	0	1077
582	-58	-193	-2	0	1077
583	139	22	0	12	140
584	91	21	0	290	301
585	39	-17	0	240	624
586	-21	-120	0	265	938
587	-88	-293	0	0	1117
588	-88	-293	0	0	1117
589	87	14	1	8	151
590	51	-1	2	191	316
591	9	-56	2	137	635
592	-43	-171	3	133	962
593	-105	-350	1	0	1131
594	-105	-350	1	0	1131
595	44	6	0	18	138
596	22	-14	1	117	281
597	-2	-78	3	52	583
598	-38	-195	7	-31	959
599	-107	-355	7	0	1164
600	-107	-355	7	0	1164
601	18	16	-2	32	215
602	4	-15	-4	85	441
603	-4	-89	-6	19	781
604	4	-199	12	-127	918
605	-95	-317	35	0	941
606	-95	-317	35	0	941

## Combinazione n° 10 - STR (A1-M1-R3)

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	48	138
3	22	-14	23	5	281
4	4	-15	18	-2	441
5	87	14	34	218	151
6	51	-1	41	9	316
7	-2	-78	22	40	583
8	-4	-89	24	35	781
9	9	-56	39	27	635
10	139	22	59	456	140
11	91	21	71	-7	301
12	39	-17	67	-4	624
13	-38	-195	12	118	959
14	4	-199	3	194	918
15	-43	-171	24	40	962
16	-21	-120	43	-1	938
17	208	32	98	828	139
18	146	54	116	-29	268
19	84	46	110	-31	592
20	17	-32	72	-33	914
21	-107	-355	4	0	1164
22	-95	-317	-21	0	941
23	-105	-350	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	139
27	212	101	179	-40	260
28	143	140	171	-59	515
29	72	108	115	-80	845
30	-6	-21	58	0	1017



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
31	-6	-21	58	0	1017	
32	-6	-21	58	0	1017	
33	-6	-21	58	0	1017	
34	-6	-21	58	0	1017	
35	-6	-21	58	0	1017	
36	-6	-21	58	0	1017	
37	357	53	226	2351	153	
38	272	158	258	7	241	
39	207	266	251	-45	425	
40	144	312	170	-161	652	
41	78	259	89	0	821	
42	78	259	89	0	821	
43	359	65	309	3650	242	
44	283	220	355	244	260	
45	245	420	334	42	229	
46	219	590	232	-161	316	
47	203	678	124	0	435	
48	203	678	124	0	435	
49	163	26	403	6186	336	
50	150	279	371	895	66	
51	218	617	398	1256	-203	
52	261	921	272	218	-459	
53	366	1221	150	0	-688	
54	366	1221	150	0	-688	
55	-240	-51	294	6819	3377	
56	46	349	649	4411	3293	
57	-77	644	409	2870	181	
58	292	1315	244	573	-2430	
59	538	1793	116	0	-2183	
60	538	1793	116	0	-2183	
61	443	904	35	248	13302	
62	-1387	-479	42	-8	7836	
63	243	2119	39	-7	919	
64	376	1664	24	-1	-1328	
65	633	2110	11	0	-2125	
66	633	2110	11	0	-2125	
67	-232	-38	173	3424	3376	
68	52	387	472	-3371	3296	
69	-28	710	17	263	192	
70	328	1397	-81	310	-2434	
71	561	1869	-68	0	-2158	
72	561	1869	-68	0	-2158	
73	342	53	126	1522	334	
74	283	361	3	-735	70	
75	321	762	-27	-183	-191	
76	341	1108	-95	387	-429	
77	424	1415	-68	0	-648	
78	424	1415	-68	0	-648	
79	633	106	22	169	241	
80	494	353	23	-231	259	
81	414	667	-18	-93	235	
82	358	924	-41	254	340	
83	315	1048	-31	0	477	
84	315	1048	-31	0	477	
85	706	105	2	8	165	
86	549	352	3	2	222	
87	445	645	2	1	371	
88	358	856	1	2	596	
89	274	912	0	0	729	
90	274	912	0	0	729	
91	645	108	157	2229	242	
92	502	357	177	319	261	
93	419	673	163	180	236	
94	361	930	122	-76	341	
95	315	1051	68	0	479	
96	315	1051	68	0	479	
97	369	57	305	5354	336	
98	301	371	255	1060	73	
99	332	778	288	1293	-187	
100	348	1123	204	254	-424	
101	427	1422	116	0	-643	
102	427	1422	116	0	-643	
103	-231	-30	235	6360	3379	
104	56	406	579	4530	3300	
105	-4	740	342	2889	199	
106	343	1429	204	584	-2385	
107	566	1886	99	0	-2090	
108	566	1886	99	0	-2090	
109	445	904	0	0	13223	
110	-1385	-445	0	0	7774	
111	285	2174	0	0	910	
112	403	1726	0	0	-1270	
113	646	2152	0	0	-2035	
114	646	2152	0	0	-2035	
115	-231	-30	174	3440	3379	
116	56	406	473	-3366	3300	
117	-4	740	18	359	199	
118	342	1428	-81	400	-2383	
119	566	1886	-73	0	-2088	
120	566	1886	-73	0	-2088	
121	371	57	127	1533	336	
122	301	371	4	-664	73	
123	333	778	-26	-127	-187	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
124	348	1123	-94	436	-424
125	426	1421	-68	0	-643
126	426	1421	-68	0	-643
127	648	108	22	176	242
128	505	358	24	-191	261
129	420	674	-17	-93	237
130	361	930	-41	277	342
131	315	1049	-31	0	479
132	315	1049	-31	0	479
133	714	106	0	0	166
134	555	355	0	0	223
135	448	648	0	0	372
136	359	858	0	0	597
137	273	911	0	0	729
138	273	911	0	0	729
139	648	108	156	2227	242
140	505	358	176	322	261
141	420	674	162	187	237
142	361	930	121	-77	342
143	315	1049	68	0	479
144	315	1049	68	0	479
145	371	57	305	5355	336
146	301	371	255	1061	73
147	333	778	288	1292	-187
148	348	1123	204	253	-424
149	426	1421	116	0	-643
150	426	1421	116	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	342	2888	199
154	342	1428	204	584	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1725	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	342	1428	-81	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	371	57	127	1533	336
170	301	371	4	-664	73
171	333	778	-26	-127	-187
172	348	1123	-94	436	-425
173	426	1421	-68	0	-643
174	426	1421	-68	0	-643
175	648	108	22	176	242
176	505	358	24	-191	261
177	420	674	-17	-93	237
178	361	930	-41	277	342
179	315	1049	-31	0	479
180	315	1049	-31	0	479
181	714	106	0	0	166
182	554	355	0	0	223
183	448	648	0	0	372
184	359	858	0	0	597
185	273	911	0	0	729
186	273	911	0	0	729
187	648	108	156	2227	242
188	505	358	176	322	261
189	420	674	162	187	237
190	361	930	121	-77	342
191	315	1049	68	0	479
192	315	1049	68	0	479
193	371	57	305	5355	336
194	301	371	255	1061	73
195	333	778	288	1292	-187
196	348	1123	204	253	-425
197	426	1421	116	0	-643
198	426	1421	116	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	342	2888	199
202	342	1428	204	584	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	342	1428	-81	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
217	371	57	127	1533	336
218	301	371	4	-664	73
219	333	778	-26	-127	-187
220	348	1123	-94	436	-425
221	426	1421	-68	0	-643
222	426	1421	-68	0	-643
223	648	108	22	176	242
224	505	358	24	-191	261
225	420	674	-17	-93	237
226	361	930	-41	277	342
227	315	1049	-31	0	479
228	315	1049	-31	0	479
229	714	106	0	0	166
230	554	355	0	0	223
231	448	648	0	0	372
232	359	858	0	0	597
233	273	911	0	0	729
234	273	911	0	0	729
235	648	108	156	2227	242
236	505	358	176	322	261
237	420	674	162	187	237
238	361	930	121	-77	342
239	315	1049	68	0	479
240	315	1049	68	0	479
241	371	57	305	5355	336
242	301	371	255	1061	73
243	333	778	288	1292	-187
244	348	1123	204	253	-425
245	426	1421	116	0	-643
246	426	1421	116	0	-643
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	342	2888	199
250	342	1428	204	584	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	342	1428	-81	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	127	1533	336
266	301	371	4	-664	73
267	333	778	-26	-127	-187
268	348	1123	-94	436	-425
269	426	1421	-68	0	-643
270	426	1421	-68	0	-643
271	648	108	22	176	242
272	505	358	24	-191	261
273	420	674	-17	-93	237
274	361	930	-41	277	342
275	315	1049	-31	0	479
276	315	1049	-31	0	479
277	714	106	0	0	166
278	554	355	0	0	223
279	448	648	0	0	372
280	359	858	0	0	597
281	273	911	0	0	729
282	273	911	0	0	729
283	648	108	156	2227	242
284	505	358	176	322	261
285	420	674	162	187	237
286	361	930	121	-77	342
287	315	1049	68	0	479
288	315	1049	68	0	479
289	371	57	305	5355	336
290	301	371	255	1061	73
291	333	778	288	1292	-187
292	348	1123	204	253	-425
293	426	1421	116	0	-643
294	426	1421	116	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	342	2888	199
298	342	1428	204	584	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
310	342	1428	-81	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	127	1533	336
314	301	371	4	-664	73
315	333	778	-26	-127	-187
316	348	1123	-94	436	-425
317	426	1421	-68	0	-643
318	426	1421	-68	0	-643
319	648	108	22	176	242
320	505	358	24	-191	261
321	420	674	-17	-93	237
322	361	930	-41	277	342
323	315	1049	-31	0	479
324	315	1049	-31	0	479
325	714	106	0	0	166
326	554	355	0	0	223
327	448	648	0	0	372
328	359	858	0	0	597
329	273	911	0	0	729
330	273	911	0	0	729
331	648	108	156	2227	242
332	505	358	176	322	261
333	420	674	162	187	237
334	361	930	121	-77	342
335	315	1049	68	0	479
336	315	1049	68	0	479
337	371	57	305	5355	336
338	301	371	255	1061	73
339	333	778	288	1292	-187
340	348	1123	204	253	-425
341	426	1421	116	0	-643
342	426	1421	116	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	342	2888	199
346	342	1428	204	584	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	342	1428	-81	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	127	1533	336
362	301	371	4	-664	73
363	333	778	-26	-127	-187
364	348	1123	-94	436	-425
365	426	1421	-68	0	-643
366	426	1421	-68	0	-643
367	648	108	22	176	242
368	505	358	24	-191	261
369	420	674	-17	-93	237
370	361	930	-41	277	342
371	315	1049	-31	0	479
372	315	1049	-31	0	479
373	714	106	0	0	166
374	554	355	0	0	223
375	448	648	0	0	372
376	359	858	0	0	597
377	273	911	0	0	729
378	273	911	0	0	729
379	648	108	156	2227	242
380	505	358	176	322	261
381	420	674	162	187	237
382	361	930	121	-77	342
383	315	1049	68	0	479
384	315	1049	68	0	479
385	371	57	305	5355	336
386	301	371	255	1061	73
387	333	778	288	1292	-187
388	348	1123	204	253	-425
389	426	1421	116	0	-643
390	426	1421	116	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	342	2888	199
394	342	1428	204	584	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	342	1428	-81	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	127	1533	336
410	301	371	4	-664	73
411	333	778	-26	-127	-187
412	348	1123	-94	436	-425
413	426	1421	-68	0	-643
414	426	1421	-68	0	-643
415	648	108	22	176	242
416	505	358	24	-191	261
417	420	674	-17	-93	237
418	361	930	-41	277	342
419	315	1049	-31	0	479
420	315	1049	-31	0	479
421	714	106	0	0	166
422	554	355	0	0	223
423	448	648	0	0	372
424	359	858	0	0	597
425	273	911	0	0	729
426	273	911	0	0	729
427	648	108	156	2227	242
428	505	358	176	322	261
429	420	674	162	187	237
430	361	930	121	-77	342
431	315	1049	68	0	479
432	315	1049	68	0	479
433	371	57	305	5355	336
434	301	371	255	1061	73
435	333	778	288	1292	-187
436	348	1123	204	253	-425
437	426	1421	116	0	-643
438	426	1421	116	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	342	2888	199
442	342	1428	204	584	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	910
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	342	1428	-81	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	371	57	127	1533	336
458	301	371	4	-664	73
459	333	778	-26	-127	-187
460	348	1123	-94	436	-424
461	426	1421	-68	0	-643
462	426	1421	-68	0	-643
463	648	108	22	176	242
464	505	358	24	-191	261
465	420	674	-17	-93	237
466	361	930	-41	277	342
467	315	1049	-31	0	479
468	315	1049	-31	0	479
469	714	106	0	0	166
470	555	355	0	0	223
471	448	648	0	0	372
472	359	858	0	0	597
473	273	911	0	0	729
474	273	911	0	0	729
475	648	108	156	2228	242
476	505	358	176	322	261
477	420	674	162	187	237
478	361	930	121	-77	342
479	315	1049	68	0	479
480	315	1049	68	0	479
481	371	57	305	5355	336
482	301	371	255	1061	73
483	333	778	288	1292	-187
484	348	1123	204	253	-424
485	426	1421	116	0	-643
486	426	1421	116	0	-643
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	342	2888	199
490	342	1428	204	584	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	445	904	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	343	1429	-80	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	127	1534	336
506	301	371	5	-659	73
507	332	778	-25	-123	-187
508	348	1123	-94	438	-424
509	427	1422	-68	0	-643
510	427	1422	-68	0	-643
511	645	108	23	178	242
512	502	357	24	-180	261
513	419	673	-17	-94	236
514	361	930	-41	282	341
515	315	1051	-31	0	479
516	315	1051	-31	0	479
517	706	105	0	4	165
518	549	352	1	22	222
519	445	645	1	17	371
520	358	856	0	12	596
521	274	912	0	0	729
522	274	912	0	0	729
523	633	106	151	2203	241
524	494	353	170	334	259
525	414	667	157	217	235
526	358	924	119	-79	340
527	315	1048	67	0	477
528	315	1048	67	0	477
529	342	53	294	5296	334
530	283	361	243	1086	70
531	321	762	277	1291	-191
532	341	1108	198	250	-429
533	424	1415	114	0	-648
534	424	1415	114	0	-648
535	-232	-38	215	6238	3376
536	52	387	556	4592	3296
537	-28	710	321	2889	192
538	328	1397	192	581	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	195	7836
543	243	2119	1	159	919
544	376	1664	1	160	-1328
545	633	2110	1	0	-2125
546	633	2110	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	292	1315	-81	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	127	1567	336
554	150	279	2	-262	66
555	218	617	-29	211	-203
556	261	921	-98	848	-459
557	366	1221	-70	0	-688
558	366	1221	-70	0	-688
559	359	65	21	219	242
560	283	220	19	311	260
561	245	420	-26	269	229
562	219	590	-52	871	316
563	203	678	-37	0	435
564	203	678	-37	0	435
565	357	53	4	92	153
566	272	158	-7	532	241
567	207	266	-17	465	425
568	144	312	-24	776	652
569	78	259	-15	0	821
570	78	259	-15	0	821
571	289	44	-2	38	139
572	212	101	-5	512	260
573	143	140	-9	438	515
574	72	108	-9	602	845
575	-6	-21	-5	0	1017
576	-6	-21	-5	0	1017
577	208	32	-1	23	139
578	146	54	-3	410	268
579	84	46	-3	345	592
580	17	-32	-3	415	914
581	-58	-193	-2	0	1077
582	-58	-193	-2	0	1077
583	139	22	0	12	140
584	91	21	0	290	301
585	39	-17	0	240	624
586	-21	-120	0	265	938
587	-88	-293	0	0	1117
588	-88	-293	0	0	1117

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
589	87	14	1	8	151
590	51	-1	2	191	316
591	9	-56	2	137	635
592	-43	-171	3	133	962
593	-105	-350	1	0	1131
594	-105	-350	1	0	1131
595	44	6	0	18	138
596	22	-14	1	117	281
597	-2	-78	3	52	583
598	-38	-195	7	-31	959
599	-107	-355	7	0	1164
600	-107	-355	7	0	1164
601	18	16	-2	32	215
602	4	-15	-4	85	441
603	-4	-89	-6	19	781
604	4	-199	12	-127	918
605	-95	-317	35	0	941
606	-95	-317	35	0	941

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In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	48	138
3	22	-14	23	5	281
4	4	-15	18	-2	441
5	87	14	34	218	151
6	51	-1	41	9	316
7	-2	-78	22	40	583
8	-4	-89	24	35	781
9	9	-56	39	27	635
10	139	22	59	456	140
11	91	21	71	-7	301
12	39	-17	67	-4	624
13	-38	-195	12	118	959
14	4	-195	3	194	918
15	-43	-171	24	40	962
16	-21	-120	43	-1	938
17	208	32	98	828	139
18	146	54	116	-29	268
19	84	46	110	-31	592
20	17	-32	72	-33	914
21	-106	-352	4	0	1164
22	-95	-317	-21	0	941
23	-105	-350	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	139
27	212	101	179	-40	260
28	143	140	171	-59	515
29	72	108	115	-80	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	153
38	272	158	258	7	241
39	207	266	251	-45	425
40	144	312	170	-161	652
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	242
44	283	220	355	244	260
45	245	420	334	42	229
46	219	590	232	-161	316
47	203	678	124	0	435
48	203	678	124	0	435
49	163	26	403	6186	336
50	150	279	371	895	66
51	218	617	398	1256	-203
52	261	921	272	218	-459
53	366	1221	150	0	-688
54	366	1221	150	0	-688
55	-240	-51	294	6819	3377
56	46	349	649	4411	3293
57	-77	644	409	2870	181
58	292	1315	244	573	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	443	904	35	248	13302
62	-1387	-479	42	-8	7836
63	243	2119	39	-7	919
64	376	1664	24	-1	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-232	-38	173	3424	3376
68	52	387	472	-3371	3296
69	-28	710	17	263	192

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
70	328	1397	-81	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	126	1522	334
74	283	361	3	-735	70
75	321	762	-27	-183	-191
76	341	1108	-95	387	-429
77	424	1415	-68	0	-648
78	424	1415	-68	0	-648
79	633	106	22	169	241
80	494	353	23	-231	259
81	414	667	-18	-93	235
82	358	924	-41	254	340
83	315	1048	-31	0	477
84	315	1048	-31	0	477
85	706	105	2	8	165
86	549	352	3	2	222
87	445	645	2	1	371
88	358	856	1	2	596
89	274	912	0	0	729
90	274	912	0	0	729
91	645	108	157	2229	242
92	502	357	177	319	261
93	419	673	163	180	236
94	361	930	122	-76	341
95	315	1051	68	0	479
96	315	1051	68	0	479
97	369	57	305	5354	336
98	301	371	255	1060	73
99	332	778	288	1293	-187
100	348	1123	204	254	-424
101	427	1422	116	0	-643
102	427	1422	116	0	-643
103	-231	-30	235	6360	3379
104	56	406	579	4530	3300
105	-4	740	342	2889	199
106	343	1429	204	584	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	445	904	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	911
112	403	1726	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-231	-30	174	3440	3379
116	56	406	473	-3366	3300
117	-4	740	18	359	199
118	342	1428	-81	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	371	57	127	1533	336
122	301	371	4	-664	73
123	333	778	-26	-127	-187
124	348	1123	-94	436	-424
125	426	1421	-68	0	-643
126	426	1421	-68	0	-643
127	648	108	22	176	242
128	505	358	24	-191	261
129	420	674	-17	-93	237
130	361	930	-41	277	342
131	315	1049	-31	0	479
132	315	1049	-31	0	479
133	714	106	0	0	166
134	555	355	0	0	223
135	448	648	0	0	372
136	359	858	0	0	597
137	273	911	0	0	729
138	273	911	0	0	729
139	648	108	156	2227	242
140	505	358	176	322	261
141	420	674	162	187	237
142	361	930	121	-77	342
143	315	1049	68	0	479
144	315	1049	68	0	479
145	371	57	305	5355	336
146	301	371	255	1061	73
147	333	778	288	1292	-187
148	348	1123	204	253	-424
149	426	1421	116	0	-643
150	426	1421	116	0	-643
151	-231	-30	235	6362	3379
152	56	406	579	4531	3300
153	-4	740	342	2888	199
154	342	1428	204	584	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	445	904	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1725	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
163	-231	-30	174	3440	3379
164	56	406	474	-3366	3300
165	-4	740	18	359	199
166	342	1428	-81	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	371	57	127	1533	336
170	301	371	4	-664	73
171	333	778	-26	-127	-187
172	348	1123	-94	436	-425
173	426	1421	-68	0	-643
174	426	1421	-68	0	-643
175	648	108	22	176	242
176	505	358	24	-191	261
177	420	674	-17	-93	237
178	361	930	-41	277	342
179	315	1049	-31	0	479
180	315	1049	-31	0	479
181	714	106	0	0	166
182	554	355	0	0	223
183	448	648	0	0	372
184	359	858	0	0	597
185	273	911	0	0	729
186	273	911	0	0	729
187	648	108	156	2227	242
188	505	358	176	322	261
189	420	674	162	187	237
190	361	930	121	-77	342
191	315	1049	68	0	479
192	315	1049	68	0	479
193	371	57	305	5355	336
194	301	371	255	1061	73
195	333	778	288	1292	-187
196	348	1123	204	253	-425
197	426	1421	116	0	-643
198	426	1421	116	0	-643
199	-231	-30	235	6362	3379
200	56	406	579	4531	3300
201	-4	740	342	2888	199
202	342	1428	204	584	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	445	904	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-231	-30	174	3440	3379
212	56	406	474	-3366	3300
213	-4	740	18	359	199
214	342	1428	-81	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	127	1533	336
218	301	371	4	-664	73
219	333	778	-26	-127	-187
220	348	1123	-94	436	-425
221	426	1421	-68	0	-643
222	426	1421	-68	0	-643
223	648	108	22	176	242
224	505	358	24	-191	261
225	420	674	-17	-93	237
226	361	930	-41	277	342
227	315	1049	-31	0	479
228	315	1049	-31	0	479
229	714	106	0	0	166
230	554	355	0	0	223
231	448	648	0	0	372
232	359	858	0	0	597
233	273	911	0	0	729
234	273	911	0	0	729
235	648	108	156	2227	242
236	505	358	176	322	261
237	420	674	162	187	237
238	361	930	121	-77	342
239	315	1049	68	0	479
240	315	1049	68	0	479
241	371	57	305	5355	336
242	301	371	255	1061	73
243	333	778	288	1292	-187
244	348	1123	204	253	-425
245	426	1421	116	0	-643
246	426	1421	116	0	-643
247	-231	-30	235	6362	3379
248	56	406	579	4531	3300
249	-4	740	342	2888	199
250	342	1428	204	584	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	445	904	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-231	-30	174	3440	3379
260	56	406	474	-3366	3300
261	-4	740	18	359	199
262	342	1428	-81	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	127	1533	336
266	301	371	4	-664	73
267	333	778	-26	-127	-187
268	348	1123	-94	436	-425
269	426	1421	-68	0	-643
270	426	1421	-68	0	-643
271	648	108	22	176	242
272	505	358	24	-191	261
273	420	674	-17	-93	237
274	361	930	-41	277	342
275	315	1049	-31	0	479
276	315	1049	-31	0	479
277	714	106	0	0	166
278	554	355	0	0	223
279	448	648	0	0	372
280	359	858	0	0	597
281	273	911	0	0	729
282	273	911	0	0	729
283	648	108	156	2227	242
284	505	358	176	322	261
285	420	674	162	187	237
286	361	930	121	-77	342
287	315	1049	68	0	479
288	315	1049	68	0	479
289	371	57	305	5355	336
290	301	371	255	1061	73
291	333	778	288	1292	-187
292	348	1123	204	253	-425
293	426	1421	116	0	-643
294	426	1421	116	0	-643
295	-231	-30	235	6362	3379
296	56	406	579	4531	3300
297	-4	740	342	2888	199
298	342	1428	204	584	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	445	904	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-231	-30	174	3440	3379
308	56	406	474	-3366	3300
309	-4	740	18	359	199
310	342	1428	-81	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	127	1533	336
314	301	371	4	-664	73
315	333	778	-26	-127	-187
316	348	1123	-94	436	-425
317	426	1421	-68	0	-643
318	426	1421	-68	0	-643
319	648	108	22	176	242
320	505	358	24	-191	261
321	420	674	-17	-93	237
322	361	930	-41	277	342
323	315	1049	-31	0	479
324	315	1049	-31	0	479
325	714	106	0	0	166
326	554	355	0	0	223
327	448	648	0	0	372
328	359	858	0	0	597
329	273	911	0	0	729
330	273	911	0	0	729
331	648	108	156	2227	242
332	505	358	176	322	261
333	420	674	162	187	237
334	361	930	121	-77	342
335	315	1049	68	0	479
336	315	1049	68	0	479
337	371	57	305	5355	336
338	301	371	255	1061	73
339	333	778	288	1292	-187
340	348	1123	204	253	-425
341	426	1421	116	0	-643
342	426	1421	116	0	-643
343	-231	-30	235	6362	3379
344	56	406	579	4531	3300
345	-4	740	342	2888	199
346	342	1428	204	584	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
349	445	904	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-231	-30	174	3440	3379
356	56	406	474	-3366	3300
357	-4	740	18	359	199
358	342	1428	-81	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	127	1533	336
362	301	371	4	-664	73
363	333	778	-26	-127	-187
364	348	1123	-94	436	-425
365	426	1421	-68	0	-643
366	426	1421	-68	0	-643
367	648	108	22	176	242
368	505	358	24	-191	261
369	420	674	-17	-93	237
370	361	930	-41	277	342
371	315	1049	-31	0	479
372	315	1049	-31	0	479
373	714	106	0	0	166
374	554	355	0	0	223
375	448	648	0	0	372
376	359	858	0	0	597
377	273	911	0	0	729
378	273	911	0	0	729
379	648	108	156	2227	242
380	505	358	176	322	261
381	420	674	162	187	237
382	361	930	121	-77	342
383	315	1049	68	0	479
384	315	1049	68	0	479
385	371	57	305	5355	336
386	301	371	255	1061	73
387	333	778	288	1292	-187
388	348	1123	204	253	-425
389	426	1421	116	0	-643
390	426	1421	116	0	-643
391	-231	-30	235	6362	3379
392	56	406	579	4531	3300
393	-4	740	342	2888	199
394	342	1428	204	584	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	445	904	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033
403	-231	-30	174	3440	3379
404	56	406	474	-3366	3300
405	-4	740	18	359	199
406	342	1428	-81	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	127	1533	336
410	301	371	4	-664	73
411	333	778	-26	-127	-187
412	348	1123	-94	436	-425
413	426	1421	-68	0	-643
414	426	1421	-68	0	-643
415	648	108	22	176	242
416	505	358	24	-191	261
417	420	674	-17	-93	237
418	361	930	-41	277	342
419	315	1049	-31	0	479
420	315	1049	-31	0	479
421	714	106	0	0	166
422	554	355	0	0	223
423	448	648	0	0	372
424	359	858	0	0	597
425	273	911	0	0	729
426	273	911	0	0	729
427	648	108	156	2227	242
428	505	358	176	322	261
429	420	674	162	187	237
430	361	930	121	-77	342
431	315	1049	68	0	479
432	315	1049	68	0	479
433	371	57	305	5355	336
434	301	371	255	1061	73
435	333	778	288	1292	-187
436	348	1123	204	253	-425
437	426	1421	116	0	-643
438	426	1421	116	0	-643
439	-231	-30	235	6362	3379
440	56	406	579	4530	3300
441	-4	740	342	2888	199

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
442	342	1428	204	584	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	445	904	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-231	-30	174	3440	3379
452	56	406	474	-3366	3300
453	-4	740	18	359	199
454	342	1428	-81	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	371	57	127	1533	336
458	301	371	4	-664	73
459	333	778	-26	-127	-187
460	348	1123	-94	436	-424
461	426	1421	-68	0	-643
462	426	1421	-68	0	-643
463	648	108	22	176	242
464	505	358	24	-191	261
465	420	674	-17	-93	237
466	361	930	-41	277	342
467	315	1049	-31	0	479
468	315	1049	-31	0	479
469	714	106	0	0	166
470	555	355	0	0	223
471	448	648	0	0	372
472	359	858	0	0	597
473	273	911	0	0	729
474	273	911	0	0	729
475	648	108	156	2228	242
476	505	358	176	322	261
477	420	674	162	187	237
478	361	930	121	-77	342
479	315	1049	68	0	479
480	315	1049	68	0	479
481	371	57	305	5355	336
482	301	371	255	1061	73
483	333	778	288	1292	-187
484	348	1123	204	253	-424
485	426	1421	116	0	-643
486	426	1421	116	0	-643
487	-231	-30	235	6363	3379
488	56	406	579	4530	3300
489	-4	740	342	2888	199
490	342	1428	204	584	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	445	904	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-231	-30	174	3440	3379
500	56	406	474	-3367	3300
501	-4	740	18	361	199
502	343	1429	-80	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	127	1534	336
506	301	371	5	-659	73
507	332	778	-25	-123	-187
508	348	1123	-94	438	-424
509	427	1422	-68	0	-643
510	427	1422	-68	0	-643
511	645	108	23	178	242
512	502	357	24	-180	261
513	419	673	-17	-94	236
514	361	930	-41	282	341
515	315	1051	-31	0	479
516	315	1051	-31	0	479
517	706	105	0	4	165
518	549	352	1	22	222
519	445	645	1	17	371
520	358	856	0	12	596
521	274	912	0	0	729
522	274	912	0	0	729
523	633	106	151	2203	241
524	494	353	170	334	259
525	414	667	157	217	235
526	358	924	119	-79	340
527	315	1048	67	0	477
528	315	1048	67	0	477
529	342	53	294	5296	334
530	283	361	243	1086	70
531	321	762	277	1291	-191
532	341	1108	198	250	-429
533	424	1415	114	0	-648
534	424	1415	114	0	-648

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
535	-232	-38	215	6238	3376
536	52	387	556	4592	3296
537	-28	710	321	2889	192
538	328	1397	192	581	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	443	904	1	22	13302
542	-1387	-479	1	195	7836
543	243	2119	1	159	919
544	376	1664	1	160	-1328
545	633	2110	1	0	-2125
546	633	2110	1	0	-2125
547	-240	-51	175	3468	3377
548	46	349	473	-3135	3293
549	-77	644	18	598	181
550	292	1315	-81	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	127	1567	336
554	150	279	2	-262	66
555	218	617	-29	211	-203
556	261	921	-98	848	-459
557	366	1221	-70	0	-688
558	366	1221	-70	0	-688
559	359	65	21	219	242
560	283	220	19	311	260
561	245	420	-26	269	229
562	219	590	-52	871	316
563	203	678	-37	0	435
564	203	678	-37	0	435
565	357	53	4	92	153
566	272	158	-7	532	241
567	207	266	-17	465	425
568	144	312	-24	776	652
569	78	259	-15	0	821
570	78	259	-15	0	821
571	289	44	-2	38	139
572	212	101	-5	512	260
573	143	140	-9	438	515
574	72	108	-9	602	845
575	-6	-21	-5	0	1017
576	-6	-21	-5	0	1017
577	208	32	-1	23	139
578	146	54	-3	410	268
579	84	46	-3	345	592
580	17	-32	-3	415	914
581	-58	-193	-2	0	1077
582	-58	-193	-2	0	1077
583	139	22	0	12	140
584	91	21	0	290	301
585	39	-17	0	240	624
586	-21	-120	0	265	938
587	-88	-293	0	0	1117
588	-88	-293	0	0	1117
589	87	14	1	8	151
590	51	-1	2	191	316
591	9	-56	2	137	635
592	-43	-171	3	133	962
593	-105	-350	1	0	1131
594	-105	-350	1	0	1131
595	44	6	0	18	138
596	22	-14	1	117	281
597	-2	-78	3	52	583
598	-38	-195	7	-31	959
599	-106	-352	7	0	1164
600	-106	-352	7	0	1164
601	18	16	-2	32	215
602	4	-15	-4	85	441
603	-4	-89	-6	19	781
604	4	-195	12	-127	918
605	-95	-317	35	0	941
606	-95	-317	35	0	941

## Combinazione n° 20 - SLEF

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	48	138
3	22	-14	23	21	281
4	4	-15	18	8	441
5	87	14	34	218	151
6	51	-1	41	35	316
7	-2	-78	22	52	583
8	-4	-89	24	42	781
9	9	-56	39	49	635
10	139	22	59	456	158
11	91	21	71	31	301
12	39	-17	67	27	624
13	-38	-195	12	129	959
14	4	-195	3	194	918
15	-43	-171	24	63	962

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
16	-21	-120	43	33	938	
17	208	32	98	828	169	
18	146	54	116	21	295	
19	84	46	110	12	592	
20	17	-32	72	18	914	
21	-106	-352	4	0	1164	
22	-94	-314	-21	0	941	
23	-105	-350	12	0	1131	
24	-88	-293	21	0	1117	
25	-58	-193	36	0	1077	
26	289	44	153	1421	186	
27	212	101	179	23	309	
28	143	140	171	-7	532	
29	72	108	115	-8	845	
30	-6	-21	58	0	1017	
31	-6	-21	58	0	1017	
32	-6	-21	58	0	1017	
33	-6	-21	58	0	1017	
34	-6	-21	58	0	1017	
35	-6	-21	58	0	1017	
36	-6	-21	58	0	1017	
37	357	53	226	2351	223	
38	272	158	258	75	320	
39	207	266	251	11	510	
40	144	312	170	-75	710	
41	78	259	89	0	821	
42	78	259	89	0	821	
43	359	65	309	3650	352	
44	283	220	355	299	391	
45	245	420	334	78	373	
46	219	590	232	-60	441	
47	203	678	124	0	565	
48	203	678	124	0	565	
49	163	26	403	6186	450	
50	150	279	371	914	221	
51	218	617	398	1358	-14	
52	261	921	272	340	-321	
53	366	1221	150	0	-623	
54	366	1221	150	0	-623	
55	-172	-51	294	6819	4048	
56	57	349	649	4411	4043	
57	-77	644	409	3117	710	
58	292	1315	244	692	-2430	
59	538	1793	116	0	-2183	
60	538	1793	116	0	-2183	
61	674	1007	35	248	13302	
62	-1387	-479	42	16	7836	
63	243	2119	39	13	919	
64	376	1664	24	19	-1328	
65	633	2110	11	0	-2125	
66	633	2110	11	0	-2125	
67	-176	-38	211	4435	4059	
68	54	387	572	-3371	4057	
69	-28	710	59	263	729	
70	328	1397	-71	310	-2434	
71	561	1869	-68	0	-2158	
72	561	1869	-68	0	-2158	
73	342	53	172	2294	474	
74	283	361	34	-735	251	
75	321	762	7	-183	25	
76	341	1108	-87	387	-276	
77	424	1415	-67	0	-575	
78	424	1415	-67	0	-575	
79	633	106	42	461	396	
80	494	353	46	-231	438	
81	414	667	1	-81	425	
82	358	924	-33	254	503	
83	315	1048	-28	0	638	
84	315	1048	-28	0	638	
85	706	105	2	8	304	
86	549	352	3	4	380	
87	445	645	2	4	542	
88	358	856	1	4	742	
89	274	912	0	0	858	
90	274	912	0	0	858	
91	645	108	157	2229	398	
92	502	357	177	319	440	
93	419	673	163	180	426	
94	361	930	122	-50	503	
95	315	1051	68	0	638	
96	315	1051	68	0	638	
97	369	57	305	5354	479	
98	301	371	255	1060	255	
99	332	778	288	1353	28	
100	348	1123	204	325	-276	
101	427	1422	116	0	-576	
102	427	1422	116	0	-576	
103	-183	-30	235	6360	4067	
104	56	406	579	4530	4066	
105	-4	740	342	3106	736	
106	343	1429	204	670	-2385	
107	566	1886	99	0	-2090	
108	566	1886	99	0	-2090	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
109	665	1006	0	0	13223	
110	-1385	-445	0	0	7774	
111	285	2174	0	0	910	
112	403	1726	0	0	-1270	
113	646	2152	0	0	-2035	
114	646	2152	0	0	-2035	
115	-183	-30	215	4468	4068	
116	56	406	576	-3366	4066	
117	-4	740	63	359	736	
118	342	1428	-68	400	-2383	
119	566	1886	-73	0	-2088	
120	566	1886	-73	0	-2088	
121	371	57	174	2313	479	
122	301	371	37	-664	255	
123	333	778	10	-127	28	
124	348	1123	-86	436	-276	
125	426	1421	-67	0	-577	
126	426	1421	-67	0	-577	
127	648	108	44	471	399	
128	505	358	48	-191	441	
129	420	674	2	-87	425	
130	361	930	-32	277	502	
131	315	1049	-28	0	636	
132	315	1049	-28	0	636	
133	714	106	0	0	306	
134	555	355	0	0	382	
135	448	648	0	0	542	
136	359	858	0	0	741	
137	273	911	0	0	855	
138	273	911	0	0	855	
139	648	108	156	2227	399	
140	505	358	176	322	441	
141	420	674	162	187	425	
142	361	930	121	-52	502	
143	315	1049	68	0	636	
144	315	1049	68	0	636	
145	371	57	305	5355	479	
146	301	371	255	1061	255	
147	333	778	288	1352	28	
148	348	1123	204	324	-276	
149	426	1421	116	0	-577	
150	426	1421	116	0	-577	
151	-183	-30	235	6362	4068	
152	56	406	579	4531	4066	
153	-4	740	342	3105	736	
154	342	1428	204	670	-2383	
155	566	1885	99	0	-2087	
156	566	1885	99	0	-2087	
157	665	1006	0	0	13223	
158	-1385	-445	0	0	7774	
159	285	2174	0	0	910	
160	403	1725	0	0	-1268	
161	645	2152	0	0	-2033	
162	645	2152	0	0	-2033	
163	-183	-30	215	4468	4068	
164	56	406	576	-3366	4066	
165	-4	740	63	359	736	
166	342	1428	-68	400	-2383	
167	566	1885	-73	0	-2087	
168	566	1885	-73	0	-2087	
169	371	57	174	2313	479	
170	301	371	37	-664	255	
171	333	778	10	-127	28	
172	348	1123	-86	436	-276	
173	426	1421	-67	0	-577	
174	426	1421	-67	0	-577	
175	648	108	44	471	399	
176	505	358	48	-191	441	
177	420	674	2	-87	425	
178	361	930	-32	277	502	
179	315	1049	-28	0	636	
180	315	1049	-28	0	636	
181	714	106	0	0	306	
182	554	355	0	0	382	
183	448	648	0	0	542	
184	359	858	0	0	741	
185	273	911	0	0	855	
186	273	911	0	0	855	
187	648	108	156	2227	399	
188	505	358	176	322	441	
189	420	674	162	187	425	
190	361	930	121	-52	502	
191	315	1049	68	0	636	
192	315	1049	68	0	636	
193	371	57	305	5355	479	
194	301	371	255	1061	255	
195	333	778	288	1352	28	
196	348	1123	204	324	-276	
197	426	1421	116	0	-577	
198	426	1421	116	0	-577	
199	-183	-30	235	6362	4068	
200	56	406	579	4531	4066	
201	-4	740	342	3105	736	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
202	342	1428	204	670	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	665	1006	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-183	-30	215	4468	4068
212	56	406	576	-3366	4066
213	-4	740	63	359	736
214	342	1428	-68	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	174	2313	479
218	301	371	37	-664	255
219	333	778	10	-127	28
220	348	1123	-86	436	-276
221	426	1421	-67	0	-577
222	426	1421	-67	0	-577
223	648	108	44	471	399
224	505	358	48	-191	441
225	420	674	2	-87	425
226	361	930	-32	277	502
227	315	1049	-28	0	636
228	315	1049	-28	0	636
229	714	106	0	0	306
230	554	355	0	0	382
231	448	648	0	0	542
232	359	858	0	0	741
233	273	911	0	0	855
234	273	911	0	0	855
235	648	108	156	2227	399
236	505	358	176	322	441
237	420	674	162	187	425
238	361	930	121	-52	502
239	315	1049	68	0	636
240	315	1049	68	0	636
241	371	57	305	5355	479
242	301	371	255	1061	255
243	333	778	288	1352	28
244	348	1123	204	324	-276
245	426	1421	116	0	-577
246	426	1421	116	0	-577
247	-183	-30	235	6362	4068
248	56	406	579	4531	4066
249	-4	740	342	3105	736
250	342	1428	204	670	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	665	1006	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-183	-30	215	4468	4068
260	56	406	576	-3366	4066
261	-4	740	63	359	736
262	342	1428	-68	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	174	2313	479
266	301	371	37	-664	255
267	333	778	10	-127	28
268	348	1123	-86	436	-276
269	426	1421	-67	0	-577
270	426	1421	-67	0	-577
271	648	108	44	471	399
272	505	358	48	-191	441
273	420	674	2	-87	425
274	361	930	-32	277	502
275	315	1049	-28	0	636
276	315	1049	-28	0	636
277	714	106	0	0	306
278	554	355	0	0	382
279	448	648	0	0	542
280	359	858	0	0	741
281	273	911	0	0	855
282	273	911	0	0	855
283	648	108	156	2227	399
284	505	358	176	322	441
285	420	674	162	187	425
286	361	930	121	-52	502
287	315	1049	68	0	636
288	315	1049	68	0	636
289	371	57	305	5355	479
290	301	371	255	1061	255
291	333	778	288	1352	28
292	348	1123	204	324	-276
293	426	1421	116	0	-577
294	426	1421	116	0	-577



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
295	-183	-30	235	6362	4068
296	56	406	579	4531	4066
297	-4	740	342	3105	736
298	342	1428	204	670	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	665	1006	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-183	-30	215	4468	4068
308	56	406	576	-3366	4066
309	-4	740	63	359	736
310	342	1428	-68	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	174	2313	479
314	301	371	37	-664	255
315	333	778	10	-127	28
316	348	1123	-86	436	-276
317	426	1421	-67	0	-577
318	426	1421	-67	0	-577
319	648	108	44	471	399
320	505	358	48	-191	441
321	420	674	2	-87	425
322	361	930	-32	277	502
323	315	1049	-28	0	636
324	315	1049	-28	0	636
325	714	106	0	0	306
326	554	355	0	0	382
327	448	648	0	0	542
328	359	858	0	0	741
329	273	911	0	0	855
330	273	911	0	0	855
331	648	108	156	2227	399
332	505	358	176	322	441
333	420	674	162	187	425
334	361	930	121	-52	502
335	315	1049	68	0	636
336	315	1049	68	0	636
337	371	57	305	5355	479
338	301	371	255	1061	255
339	333	778	288	1352	28
340	348	1123	204	324	-276
341	426	1421	116	0	-577
342	426	1421	116	0	-577
343	-183	-30	235	6362	4068
344	56	406	579	4531	4066
345	-4	740	342	3105	736
346	342	1428	204	670	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	665	1006	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-183	-30	215	4468	4068
356	56	406	576	-3366	4066
357	-4	740	63	359	736
358	342	1428	-68	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	174	2313	479
362	301	371	37	-664	255
363	333	778	10	-127	28
364	348	1123	-86	436	-276
365	426	1421	-67	0	-577
366	426	1421	-67	0	-577
367	648	108	44	471	399
368	505	358	48	-191	441
369	420	674	2	-87	425
370	361	930	-32	277	502
371	315	1049	-28	0	636
372	315	1049	-28	0	636
373	714	106	0	0	306
374	554	355	0	0	382
375	448	648	0	0	542
376	359	858	0	0	741
377	273	911	0	0	855
378	273	911	0	0	855
379	648	108	156	2227	399
380	505	358	176	322	441
381	420	674	162	187	425
382	361	930	121	-52	502
383	315	1049	68	0	636
384	315	1049	68	0	636
385	371	57	305	5355	479
386	301	371	255	1061	255
387	333	778	288	1352	28

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
388	348	1123	204	324	-276
389	426	1421	116	0	-577
390	426	1421	116	0	-577
391	-183	-30	235	6362	4068
392	56	406	579	4531	4066
393	-4	740	342	3105	736
394	342	1428	204	670	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	665	1006	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033
403	-183	-30	215	4468	4068
404	56	406	576	-3366	4066
405	-4	740	63	359	736
406	342	1428	-68	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	174	2313	479
410	301	371	37	-664	255
411	333	778	10	-127	28
412	348	1123	-86	436	-276
413	426	1421	-67	0	-577
414	426	1421	-67	0	-577
415	648	108	44	471	399
416	505	358	48	-191	441
417	420	674	2	-87	425
418	361	930	-32	277	502
419	315	1049	-28	0	636
420	315	1049	-28	0	636
421	714	106	0	0	306
422	554	355	0	0	382
423	448	648	0	0	542
424	359	858	0	0	741
425	273	911	0	0	855
426	273	911	0	0	855
427	648	108	156	2227	399
428	505	358	176	322	441
429	420	674	162	187	425
430	361	930	121	-52	502
431	315	1049	68	0	636
432	315	1049	68	0	636
433	371	57	305	5355	479
434	301	371	255	1061	255
435	333	778	288	1352	28
436	348	1123	204	324	-276
437	426	1421	116	0	-577
438	426	1421	116	0	-577
439	-183	-30	235	6362	4068
440	56	406	579	4530	4066
441	-4	740	342	3105	736
442	342	1428	204	670	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	665	1006	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-183	-30	215	4468	4068
452	56	406	576	-3366	4066
453	-4	740	63	359	736
454	342	1428	-68	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	371	57	174	2313	479
458	301	371	37	-664	255
459	333	778	10	-127	28
460	348	1123	-86	436	-276
461	426	1421	-67	0	-577
462	426	1421	-67	0	-577
463	648	108	44	471	399
464	505	358	48	-191	441
465	420	674	2	-87	425
466	361	930	-32	277	502
467	315	1049	-28	0	636
468	315	1049	-28	0	636
469	714	106	0	0	306
470	555	355	0	0	382
471	448	648	0	0	542
472	359	858	0	0	741
473	273	911	0	0	855
474	273	911	0	0	855
475	648	108	156	2228	399
476	505	358	176	322	441
477	420	674	162	187	425
478	361	930	121	-52	502
479	315	1049	68	0	636
480	315	1049	68	0	636

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
481	371	57	305	5355	479
482	301	371	255	1061	255
483	333	778	288	1352	28
484	348	1123	204	324	-276
485	426	1421	116	0	-577
486	426	1421	116	0	-577
487	-183	-30	235	6363	4068
488	56	406	579	4530	4066
489	-4	740	342	3105	736
490	342	1428	204	670	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	665	1006	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-183	-30	215	4468	4067
500	56	406	577	-3367	4066
501	-4	740	63	361	736
502	343	1429	-68	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	174	2314	479
506	301	371	37	-659	255
507	332	778	10	-123	28
508	348	1123	-85	438	-276
509	427	1422	-67	0	-576
510	427	1422	-67	0	-576
511	645	108	44	473	398
512	502	357	48	-180	440
513	419	673	3	-89	426
514	361	930	-31	282	503
515	315	1051	-28	0	638
516	315	1051	-28	0	638
517	706	105	1	5	304
518	549	352	1	22	380
519	445	645	1	17	542
520	358	856	1	12	742
521	274	912	0	0	858
522	274	912	0	0	858
523	633	106	151	2203	396
524	494	353	170	334	438
525	414	667	157	217	425
526	358	924	119	-58	503
527	315	1048	67	0	638
528	315	1048	67	0	638
529	342	53	294	5296	474
530	283	361	243	1086	251
531	321	762	277	1344	25
532	341	1108	198	315	-276
533	424	1415	114	0	-575
534	424	1415	114	0	-575
535	-176	-38	215	6238	4059
536	54	387	556	4592	4057
537	-28	710	321	3094	729
538	328	1397	192	656	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	674	1007	6	54	13302
542	-1387	-479	6	195	7836
543	243	2119	6	159	919
544	376	1664	4	160	-1328
545	633	2110	2	0	-2125
546	633	2110	2	0	-2125
547	-172	-51	223	4556	4048
548	57	349	585	-3135	4043
549	-77	644	71	598	710
550	292	1315	-63	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	186	2455	450
554	150	279	49	-262	221
555	218	617	20	211	-14
556	261	921	-79	848	-321
557	366	1221	-63	0	-623
558	366	1221	-63	0	-623
559	359	65	61	698	352
560	283	220	65	311	391
561	245	420	14	269	373
562	219	590	-27	871	441
563	203	678	-26	0	565
564	203	678	-26	0	565
565	357	53	33	396	223
566	272	158	26	532	320
567	207	266	14	465	510
568	144	312	-4	776	710
569	78	259	-5	0	821
570	78	259	-5	0	821
571	289	44	17	220	186
572	212	101	17	512	309
573	143	140	12	438	532

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
574	72	108	5	602	845
575	-6	-21	2	0	1017
576	-6	-21	2	0	1017
577	208	32	11	129	169
578	146	54	12	410	295
579	84	46	10	345	592
580	17	-32	6	415	914
581	-58	-193	3	0	1077
582	-58	-193	3	0	1077
583	139	22	8	69	158
584	91	21	9	290	301
585	39	-17	9	240	624
586	-21	-120	5	265	938
587	-88	-293	3	0	1117
588	-88	-293	3	0	1117
589	87	14	5	36	151
590	51	-1	7	191	316
591	9	-56	8	137	635
592	-43	-171	6	133	962
593	-105	-350	3	0	1131
594	-105	-350	3	0	1131
595	44	6	3	26	138
596	22	-14	4	117	281
597	-2	-78	6	52	583
598	-38	-195	9	-31	959
599	-106	-352	8	0	1164
600	-106	-352	8	0	1164
601	18	16	-1	32	215
602	4	-15	-2	85	441
603	-4	-89	-4	19	781
604	4	-195	15	-127	918
605	-94	-314	35	0	941
606	-94	-314	35	0	941

## Combinazione n° 21 - SLEQ

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-25	215
2	44	6	17	48	138
3	22	-14	23	21	281
4	4	-15	18	8	441
5	87	14	34	218	151
6	51	-1	41	35	316
7	-2	-78	22	52	583
8	-4	-89	24	42	781
9	9	-56	39	49	635
10	139	22	59	456	158
11	91	21	71	31	301
12	39	-17	67	27	624
13	-38	-195	12	129	959
14	4	-195	3	194	918
15	-43	-171	24	63	962
16	-21	-120	43	33	938
17	208	32	98	828	169
18	146	54	116	21	295
19	84	46	110	12	592
20	17	-32	72	18	914
21	-106	-352	4	0	1164
22	-94	-314	-21	0	941
23	-105	-350	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	186
27	212	101	179	23	309
28	143	140	171	-7	532
29	72	108	115	-8	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	223
38	272	158	258	75	320
39	207	266	251	11	510
40	144	312	170	-75	710
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	352
44	283	220	355	299	391
45	245	420	334	78	373
46	219	590	232	-60	441
47	203	678	124	0	565
48	203	678	124	0	565
49	163	26	403	6186	450
50	150	279	371	914	221
51	218	617	398	1358	-14
52	261	921	272	340	-321
53	366	1221	150	0	-623
54	366	1221	150	0	-623

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
55	-172	-51	294	6819	4048
56	57	349	649	4411	4043
57	-77	644	409	3117	710
58	292	1315	244	692	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	674	1007	35	248	13302
62	-1387	-479	42	16	7836
63	243	2119	39	13	919
64	376	1664	24	19	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-176	-38	211	4435	4059
68	54	387	572	-3371	4057
69	-28	710	59	263	729
70	328	1397	-71	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	172	2294	474
74	283	361	34	-735	251
75	321	762	7	-183	25
76	341	1108	-87	387	-276
77	424	1415	-67	0	-575
78	424	1415	-67	0	-575
79	633	106	42	461	396
80	494	353	46	-231	438
81	414	667	1	-81	425
82	358	924	-33	254	503
83	315	1048	-28	0	638
84	315	1048	-28	0	638
85	706	105	2	8	304
86	549	352	3	4	380
87	445	645	2	4	542
88	358	856	1	4	742
89	274	912	0	0	858
90	274	912	0	0	858
91	645	108	157	2229	398
92	502	357	177	319	440
93	419	673	163	180	426
94	361	930	122	-50	503
95	315	1051	68	0	638
96	315	1051	68	0	638
97	369	57	305	5354	479
98	301	371	255	1060	255
99	332	778	288	1353	28
100	348	1123	204	325	-276
101	427	1422	116	0	-576
102	427	1422	116	0	-576
103	-183	-30	235	6360	4067
104	56	406	579	4530	4066
105	-4	740	342	3106	736
106	343	1429	204	670	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	665	1006	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1726	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-183	-30	215	4468	4068
116	56	406	576	-3366	4066
117	-4	740	63	359	736
118	342	1428	-68	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	371	57	174	2313	479
122	301	371	37	-664	255
123	333	778	10	-127	28
124	348	1123	-86	436	-276
125	426	1421	-67	0	-577
126	426	1421	-67	0	-577
127	648	108	44	471	399
128	505	358	48	-191	441
129	420	674	2	-87	426
130	361	930	-32	277	502
131	315	1049	-28	0	636
132	315	1049	-28	0	636
133	714	106	0	0	306
134	555	355	0	0	382
135	448	648	0	0	542
136	359	858	0	0	741
137	273	911	0	0	855
138	273	911	0	0	855
139	648	108	156	2227	399
140	505	358	176	322	441
141	420	674	162	187	425
142	361	930	121	-52	502
143	315	1049	68	0	636
144	315	1049	68	0	636
145	371	57	305	5355	479
146	301	371	255	1061	255
147	333	778	288	1352	28

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
148	348	1123	204	324	-276
149	426	1421	116	0	-577
150	426	1421	116	0	-577
151	-183	-30	235	6362	4068
152	56	406	579	4531	4066
153	-4	740	342	3105	736
154	342	1428	204	670	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	665	1006	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1725	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033
163	-183	-30	215	4468	4068
164	56	406	576	-3366	4066
165	-4	740	63	359	736
166	342	1428	-68	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	371	57	174	2313	479
170	301	371	37	-664	255
171	333	778	10	-127	28
172	348	1123	-86	436	-276
173	426	1421	-67	0	-577
174	426	1421	-67	0	-577
175	648	108	44	471	399
176	505	358	48	-191	441
177	420	674	2	-87	425
178	361	930	-32	277	502
179	315	1049	-28	0	636
180	315	1049	-28	0	636
181	714	106	0	0	306
182	554	355	0	0	382
183	448	648	0	0	542
184	359	858	0	0	741
185	273	911	0	0	855
186	273	911	0	0	855
187	648	108	156	2227	399
188	505	358	176	322	441
189	420	674	162	187	425
190	361	930	121	-52	502
191	315	1049	68	0	636
192	315	1049	68	0	636
193	371	57	305	5355	479
194	301	371	255	1061	255
195	333	778	288	1352	28
196	348	1123	204	324	-276
197	426	1421	116	0	-577
198	426	1421	116	0	-577
199	-183	-30	235	6362	4068
200	56	406	579	4531	4066
201	-4	740	342	3105	736
202	342	1428	204	670	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	665	1006	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-183	-30	215	4468	4068
212	56	406	576	-3366	4066
213	-4	740	63	359	736
214	342	1428	-68	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	174	2313	479
218	301	371	37	-664	255
219	333	778	10	-127	28
220	348	1123	-86	436	-276
221	426	1421	-67	0	-577
222	426	1421	-67	0	-577
223	648	108	44	471	399
224	505	358	48	-191	441
225	420	674	2	-87	425
226	361	930	-32	277	502
227	315	1049	-28	0	636
228	315	1049	-28	0	636
229	714	106	0	0	306
230	554	355	0	0	382
231	448	648	0	0	542
232	359	858	0	0	741
233	273	911	0	0	855
234	273	911	0	0	855
235	648	108	156	2227	399
236	505	358	176	322	441
237	420	674	162	187	425
238	361	930	121	-52	502
239	315	1049	68	0	636
240	315	1049	68	0	636

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
241	371	57	305	5355	479
242	301	371	255	1061	255
243	333	778	288	1352	28
244	348	1123	204	324	-276
245	426	1421	116	0	-577
246	426	1421	116	0	-577
247	-183	-30	235	6362	4068
248	56	406	579	4531	4066
249	-4	740	342	3105	736
250	342	1428	204	670	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	665	1006	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-183	-30	215	4468	4068
260	56	406	576	-3366	4066
261	-4	740	63	359	736
262	342	1428	-68	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	174	2313	479
266	301	371	37	-664	255
267	333	778	10	-127	28
268	348	1123	-86	436	-276
269	426	1421	-67	0	-577
270	426	1421	-67	0	-577
271	648	108	44	471	399
272	505	358	48	-191	441
273	420	674	2	-87	425
274	361	930	-32	277	502
275	315	1049	-28	0	636
276	315	1049	-28	0	636
277	714	106	0	0	306
278	554	355	0	0	382
279	448	648	0	0	542
280	359	858	0	0	741
281	273	911	0	0	855
282	273	911	0	0	855
283	648	108	156	2227	399
284	505	358	176	322	441
285	420	674	162	187	425
286	361	930	121	-52	502
287	315	1049	68	0	636
288	315	1049	68	0	636
289	371	57	305	5355	479
290	301	371	255	1061	255
291	333	778	288	1352	28
292	348	1123	204	324	-276
293	426	1421	116	0	-577
294	426	1421	116	0	-577
295	-183	-30	235	6362	4068
296	56	406	579	4531	4066
297	-4	740	342	3105	736
298	342	1428	204	670	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	665	1006	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-183	-30	215	4468	4068
308	56	406	576	-3366	4066
309	-4	740	63	359	736
310	342	1428	-68	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	174	2313	479
314	301	371	37	-664	255
315	333	778	10	-127	28
316	348	1123	-86	436	-276
317	426	1421	-67	0	-577
318	426	1421	-67	0	-577
319	648	108	44	471	399
320	505	358	48	-191	441
321	420	674	2	-87	425
322	361	930	-32	277	502
323	315	1049	-28	0	636
324	315	1049	-28	0	636
325	714	106	0	0	306
326	554	355	0	0	382
327	448	648	0	0	542
328	359	858	0	0	741
329	273	911	0	0	855
330	273	911	0	0	855
331	648	108	156	2227	399
332	505	358	176	322	441
333	420	674	162	187	425

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
334	361	930	121	-52	502
335	315	1049	68	0	636
336	315	1049	68	0	636
337	371	57	305	5355	479
338	301	371	255	1061	255
339	333	778	288	1352	28
340	348	1123	204	324	-276
341	426	1421	116	0	-577
342	426	1421	116	0	-577
343	-183	-30	235	6362	4068
344	56	406	579	4531	4066
345	-4	740	342	3105	736
346	342	1428	204	670	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	665	1006	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-183	-30	215	4468	4068
356	56	406	576	-3366	4066
357	-4	740	63	359	736
358	342	1428	-68	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	174	2313	479
362	301	371	37	-664	255
363	333	778	10	-127	28
364	348	1123	-86	436	-276
365	426	1421	-67	0	-577
366	426	1421	-67	0	-577
367	648	108	44	471	399
368	505	358	48	-191	441
369	420	674	2	-87	425
370	361	930	-32	277	502
371	315	1049	-28	0	636
372	315	1049	-28	0	636
373	714	106	0	0	306
374	554	355	0	0	382
375	448	648	0	0	542
376	359	858	0	0	741
377	273	911	0	0	855
378	273	911	0	0	855
379	648	108	156	2227	399
380	505	358	176	322	441
381	420	674	162	187	425
382	361	930	121	-52	502
383	315	1049	68	0	636
384	315	1049	68	0	636
385	371	57	305	5355	479
386	301	371	255	1061	255
387	333	778	288	1352	28
388	348	1123	204	324	-276
389	426	1421	116	0	-577
390	426	1421	116	0	-577
391	-183	-30	235	6362	4068
392	56	406	579	4531	4066
393	-4	740	342	3105	736
394	342	1428	204	670	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	665	1006	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033
403	-183	-30	215	4468	4068
404	56	406	576	-3366	4066
405	-4	740	63	359	736
406	342	1428	-68	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	174	2313	479
410	301	371	37	-664	255
411	333	778	10	-127	28
412	348	1123	-86	436	-276
413	426	1421	-67	0	-577
414	426	1421	-67	0	-577
415	648	108	44	471	399
416	505	358	48	-191	441
417	420	674	2	-87	425
418	361	930	-32	277	502
419	315	1049	-28	0	636
420	315	1049	-28	0	636
421	714	106	0	0	306
422	554	355	0	0	382
423	448	648	0	0	542
424	359	858	0	0	741
425	273	911	0	0	855
426	273	911	0	0	855



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
427	648	108	156	2227	399
428	505	358	176	322	441
429	420	674	162	187	425
430	361	930	121	-52	502
431	315	1049	68	0	636
432	315	1049	68	0	636
433	371	57	305	5355	479
434	301	371	255	1061	255
435	333	778	288	1352	28
436	348	1123	204	324	-276
437	426	1421	116	0	-577
438	426	1421	116	0	-577
439	-183	-30	235	6362	4068
440	56	406	579	4530	4066
441	-4	740	342	3105	736
442	342	1428	204	670	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	665	1006	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033
451	-183	-30	215	4468	4068
452	56	406	576	-3366	4066
453	-4	740	63	359	736
454	342	1428	-68	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	371	57	174	2313	479
458	301	371	37	-664	255
459	333	778	10	-127	28
460	348	1123	-86	436	-276
461	426	1421	-67	0	-577
462	426	1421	-67	0	-577
463	648	108	44	471	399
464	505	358	48	-191	441
465	420	674	2	-87	425
466	361	930	-32	277	502
467	315	1049	-28	0	636
468	315	1049	-28	0	636
469	714	106	0	0	306
470	555	355	0	0	382
471	448	648	0	0	542
472	359	858	0	0	741
473	273	911	0	0	855
474	273	911	0	0	855
475	648	108	156	2228	399
476	505	358	176	322	441
477	420	674	162	187	425
478	361	930	121	-52	502
479	315	1049	68	0	636
480	315	1049	68	0	636
481	371	57	305	5355	479
482	301	371	255	1061	255
483	333	778	288	1352	28
484	348	1123	204	324	-276
485	426	1421	116	0	-577
486	426	1421	116	0	-577
487	-183	-30	235	6363	4068
488	56	406	579	4530	4066
489	-4	740	342	3105	736
490	342	1428	204	670	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	665	1006	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	911
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-183	-30	215	4468	4067
500	56	406	577	-3367	4066
501	-4	740	63	361	736
502	343	1429	-68	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	174	2314	479
506	301	371	37	-659	255
507	332	778	10	-123	28
508	348	1123	-85	438	-276
509	427	1422	-67	0	-576
510	427	1422	-67	0	-576
511	645	108	44	473	398
512	502	357	48	-180	440
513	419	673	3	-89	426
514	361	930	-31	282	503
515	315	1051	-28	0	638
516	315	1051	-28	0	638
517	706	105	1	5	304
518	549	352	1	22	380
519	445	645	1	17	542

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
520	358	856	1	12	742
521	274	912	0	0	858
522	274	912	0	0	858
523	633	106	151	2203	396
524	494	353	170	334	438
525	414	667	157	217	425
526	358	924	119	-58	503
527	315	1048	67	0	638
528	315	1048	67	0	638
529	342	53	294	5296	474
530	283	361	243	1086	251
531	321	762	277	1344	25
532	341	1108	198	315	-276
533	424	1415	114	0	-575
534	424	1415	114	0	-575
535	-176	-38	215	6238	4059
536	54	387	556	4592	4057
537	-28	710	321	3094	729
538	328	1397	192	656	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	674	1007	6	54	13302
542	-1387	-479	6	195	7836
543	243	2119	6	159	919
544	376	1664	4	160	-1328
545	633	2110	2	0	-2125
546	633	2110	2	0	-2125
547	-172	-51	223	4556	4048
548	57	349	585	-3135	4043
549	-77	644	71	598	710
550	292	1315	-63	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	186	2455	450
554	150	279	49	-262	221
555	218	617	20	211	-14
556	261	921	-79	848	-321
557	366	1221	-63	0	-623
558	366	1221	-63	0	-623
559	359	65	61	698	352
560	283	220	65	311	391
561	245	420	14	269	373
562	219	590	-27	871	441
563	203	678	-26	0	565
564	203	678	-26	0	565
565	357	53	33	396	223
566	272	158	26	532	320
567	207	266	14	465	510
568	144	312	-4	776	710
569	78	259	-5	0	821
570	78	259	-5	0	821
571	289	44	17	220	186
572	212	101	17	512	309
573	143	140	12	438	532
574	72	108	5	602	845
575	-6	-21	2	0	1017
576	-6	-21	2	0	1017
577	208	32	11	129	169
578	146	54	12	410	295
579	84	46	10	345	592
580	17	-32	6	415	914
581	-58	-193	3	0	1077
582	-58	-193	3	0	1077
583	139	22	8	69	158
584	91	21	9	290	301
585	39	-17	9	240	624
586	-21	-120	5	265	938
587	-88	-293	3	0	1117
588	-88	-293	3	0	1117
589	87	14	5	36	151
590	51	-1	7	191	316
591	9	-56	8	137	635
592	-43	-171	6	133	962
593	-105	-350	3	0	1131
594	-105	-350	3	0	1131
595	44	6	3	26	138
596	22	-14	4	117	281
597	-2	-78	6	52	583
598	-38	-195	9	-31	959
599	-106	-352	8	0	1164
600	-106	-352	8	0	1164
601	18	16	-1	32	215
602	4	-15	-2	85	441
603	-4	-89	-4	19	781
604	4	-195	15	-127	918
605	-94	-314	35	0	941
606	-94	-314	35	0	941

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In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
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In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-23	215
2	44	6	17	48	138
3	22	-14	23	21	281
4	4	-15	18	8	441
5	87	14	34	218	151
6	51	-1	41	35	316
7	-2	-78	22	52	583
8	-4	-87	24	42	781
9	9	-56	39	49	635
10	139	22	59	456	158
11	91	21	71	31	301
12	39	-17	67	27	624
13	-35	-182	12	129	959
14	4	-187	3	194	918
15	-43	-171	24	63	962
16	-21	-120	43	33	938
17	208	32	98	828	169
18	146	54	116	21	295
19	84	46	110	12	592
20	17	-32	72	18	914
21	-104	-346	4	0	1164
22	-94	-314	-21	0	941
23	-98	-328	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	186
27	212	101	179	23	309
28	143	140	171	-7	532
29	72	108	115	-8	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	223
38	272	158	258	75	320
39	207	266	251	11	510
40	144	312	170	-75	710
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	352
44	283	220	355	299	391
45	245	420	334	78	373
46	219	590	232	-60	441
47	203	678	124	0	565
48	203	678	124	0	565
49	163	26	403	6186	450
50	150	279	371	914	221
51	218	617	398	1358	-14
52	261	921	272	340	-321
53	366	1221	150	0	-623
54	366	1221	150	0	-623
55	-172	-51	294	6819	4048
56	57	349	649	4411	4043
57	-77	644	409	3117	710
58	292	1315	244	692	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	674	1007	35	248	13302
62	-1387	-479	42	16	7836
63	243	2119	39	13	919
64	376	1664	24	19	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-176	-38	211	4435	4059
68	54	387	572	-3371	4057
69	-28	710	59	263	729
70	328	1397	-71	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	172	2294	474
74	283	361	34	-735	251
75	321	762	7	-183	25
76	341	1108	-87	387	-276
77	424	1415	-67	0	-575
78	424	1415	-67	0	-575
79	633	106	42	461	396
80	494	353	46	-231	438
81	414	667	1	-81	425
82	358	924	-33	254	503
83	315	1048	-28	0	638
84	315	1048	-28	0	638
85	706	105	2	8	304
86	549	352	3	4	380
87	445	645	2	4	542
88	358	856	1	4	742
89	274	912	0	0	858
90	274	912	0	0	858
91	645	108	157	2229	398
92	502	357	177	319	440
93	419	673	163	180	426

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
94	361	930	122	-50	503
95	315	1051	68	0	638
96	315	1051	68	0	638
97	369	57	305	5354	479
98	301	371	255	1060	255
99	332	778	288	1353	28
100	348	1123	204	325	-276
101	427	1422	116	0	-576
102	427	1422	116	0	-576
103	-183	-30	235	6360	4067
104	56	406	579	4530	4066
105	-4	740	342	3106	736
106	343	1429	204	670	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	665	1006	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1726	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-183	-30	215	4468	4068
116	56	406	576	-3366	4066
117	-4	740	63	359	736
118	342	1428	-68	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	371	57	174	2313	479
122	301	371	37	-664	255
123	333	778	10	-127	28
124	348	1123	-86	436	-276
125	426	1421	-67	0	-577
126	426	1421	-67	0	-577
127	648	108	44	471	399
128	505	358	48	-191	441
129	420	674	2	-87	425
130	361	930	-32	277	502
131	315	1049	-28	0	636
132	315	1049	-28	0	636
133	714	106	0	0	306
134	555	355	0	0	382
135	448	648	0	0	542
136	359	858	0	0	741
137	273	911	0	0	855
138	273	911	0	0	855
139	648	108	156	2227	399
140	505	358	176	322	441
141	420	674	162	187	425
142	361	930	121	-52	502
143	315	1049	68	0	636
144	315	1049	68	0	636
145	371	57	305	5355	479
146	301	371	255	1061	255
147	333	778	288	1352	28
148	348	1123	204	324	-276
149	426	1421	116	0	-577
150	426	1421	116	0	-577
151	-183	-30	235	6362	4068
152	56	406	579	4531	4066
153	-4	740	342	3105	736
154	342	1428	204	670	-2383
155	566	1885	99	0	-2087
156	566	1885	99	0	-2087
157	665	1006	0	0	13223
158	-1385	-445	0	0	7774
159	285	2174	0	0	911
160	403	1725	0	0	-1268
161	645	2152	0	0	-2033
162	645	2152	0	0	-2033
163	-183	-30	215	4468	4068
164	56	406	576	-3366	4066
165	-4	740	63	359	736
166	342	1428	-68	400	-2383
167	566	1885	-73	0	-2087
168	566	1885	-73	0	-2087
169	371	57	174	2313	479
170	301	371	37	-664	255
171	333	778	10	-127	28
172	348	1123	-86	436	-276
173	426	1421	-67	0	-577
174	426	1421	-67	0	-577
175	648	108	44	471	399
176	505	358	48	-191	441
177	420	674	2	-87	425
178	361	930	-32	277	502
179	315	1049	-28	0	636
180	315	1049	-28	0	636
181	714	106	0	0	306
182	554	355	0	0	382
183	448	648	0	0	542
184	359	858	0	0	741
185	273	911	0	0	855
186	273	911	0	0	855

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
187	648	108	156	2227	399
188	505	358	176	322	441
189	420	674	162	187	425
190	361	930	121	-52	502
191	315	1049	68	0	636
192	315	1049	68	0	636
193	371	57	305	5355	479
194	301	371	255	1061	255
195	333	778	288	1352	28
196	348	1123	204	324	-276
197	426	1421	116	0	-577
198	426	1421	116	0	-577
199	-183	-30	235	6362	4068
200	56	406	579	4531	4066
201	-4	740	342	3105	736
202	342	1428	204	670	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	665	1006	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-183	-30	215	4468	4068
212	56	406	576	-3366	4066
213	-4	740	63	359	736
214	342	1428	-68	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	174	2313	479
218	301	371	37	-664	255
219	333	778	10	-127	28
220	348	1123	-86	436	-276
221	426	1421	-67	0	-577
222	426	1421	-67	0	-577
223	648	108	44	471	399
224	505	358	48	-191	441
225	420	674	2	-87	425
226	361	930	-32	277	502
227	315	1049	-28	0	636
228	315	1049	-28	0	636
229	714	106	0	0	306
230	554	355	0	0	382
231	448	648	0	0	542
232	359	858	0	0	741
233	273	911	0	0	855
234	273	911	0	0	855
235	648	108	156	2227	399
236	505	358	176	322	441
237	420	674	162	187	425
238	361	930	121	-52	502
239	315	1049	68	0	636
240	315	1049	68	0	636
241	371	57	305	5355	479
242	301	371	255	1061	255
243	333	778	288	1352	28
244	348	1123	204	324	-276
245	426	1421	116	0	-577
246	426	1421	116	0	-577
247	-183	-30	235	6362	4068
248	56	406	579	4531	4066
249	-4	740	342	3105	736
250	342	1428	204	670	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	665	1006	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-183	-30	215	4468	4068
260	56	406	576	-3366	4066
261	-4	740	63	359	736
262	342	1428	-68	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	174	2313	479
266	301	371	37	-664	255
267	333	778	10	-127	28
268	348	1123	-86	436	-276
269	426	1421	-67	0	-577
270	426	1421	-67	0	-577
271	648	108	44	471	399
272	505	358	48	-191	441
273	420	674	2	-87	425
274	361	930	-32	277	502
275	315	1049	-28	0	636
276	315	1049	-28	0	636
277	714	106	0	0	306
278	554	355	0	0	382
279	448	648	0	0	542

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
280	359	858	0	0	741
281	273	911	0	0	855
282	273	911	0	0	855
283	648	108	156	2227	399
284	505	358	176	322	441
285	420	674	162	187	425
286	361	930	121	-52	502
287	315	1049	68	0	636
288	315	1049	68	0	636
289	371	57	305	5355	479
290	301	371	255	1061	255
291	333	778	288	1352	28
292	348	1123	204	324	-276
293	426	1421	116	0	-577
294	426	1421	116	0	-577
295	-183	-30	235	6362	4068
296	56	406	579	4531	4066
297	-4	740	342	3105	736
298	342	1428	204	670	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	665	1006	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-183	-30	215	4468	4068
308	56	406	576	-3366	4066
309	-4	740	63	359	736
310	342	1428	-68	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	174	2313	479
314	301	371	37	-664	255
315	333	778	10	-127	28
316	348	1123	-86	436	-276
317	426	1421	-67	0	-577
318	426	1421	-67	0	-577
319	648	108	44	471	399
320	505	358	48	-191	441
321	420	674	2	-87	425
322	361	930	-32	277	502
323	315	1049	-28	0	636
324	315	1049	-28	0	636
325	714	106	0	0	306
326	554	355	0	0	382
327	448	648	0	0	542
328	359	858	0	0	741
329	273	911	0	0	855
330	273	911	0	0	855
331	648	108	156	2227	399
332	505	358	176	322	441
333	420	674	162	187	425
334	361	930	121	-52	502
335	315	1049	68	0	636
336	315	1049	68	0	636
337	371	57	305	5355	479
338	301	371	255	1061	255
339	333	778	288	1352	28
340	348	1123	204	324	-276
341	426	1421	116	0	-577
342	426	1421	116	0	-577
343	-183	-30	235	6362	4068
344	56	406	579	4531	4066
345	-4	740	342	3105	736
346	342	1428	204	670	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	665	1006	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-183	-30	215	4468	4068
356	56	406	576	-3366	4066
357	-4	740	63	359	736
358	342	1428	-68	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	174	2313	479
362	301	371	37	-664	255
363	333	778	10	-127	28
364	348	1123	-86	436	-276
365	426	1421	-67	0	-577
366	426	1421	-67	0	-577
367	648	108	44	471	399
368	505	358	48	-191	441
369	420	674	2	-87	425
370	361	930	-32	277	502
371	315	1049	-28	0	636
372	315	1049	-28	0	636

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
373	714	106	0	0	306	
374	554	355	0	0	382	
375	448	648	0	0	542	
376	359	858	0	0	741	
377	273	911	0	0	855	
378	273	911	0	0	855	
379	648	108	156	2227	399	
380	505	358	176	322	441	
381	420	674	162	187	425	
382	361	930	121	-52	502	
383	315	1049	68	0	636	
384	315	1049	68	0	636	
385	371	57	305	5355	479	
386	301	371	255	1061	255	
387	333	778	288	1352	28	
388	348	1123	204	324	-276	
389	426	1421	116	0	-577	
390	426	1421	116	0	-577	
391	-183	-30	235	6362	4068	
392	56	406	579	4531	4066	
393	-4	740	342	3105	736	
394	342	1428	204	670	-2383	
395	566	1885	99	0	-2087	
396	566	1885	99	0	-2087	
397	665	1006	0	0	13223	
398	-1385	-445	0	0	7774	
399	285	2174	0	0	911	
400	403	1725	0	0	-1268	
401	645	2152	0	0	-2033	
402	645	2152	0	0	-2033	
403	-183	-30	215	4468	4068	
404	56	406	576	-3366	4066	
405	-4	740	63	359	736	
406	342	1428	-68	400	-2383	
407	566	1885	-73	0	-2087	
408	566	1885	-73	0	-2087	
409	371	57	174	2313	479	
410	301	371	37	-664	255	
411	333	778	10	-127	28	
412	348	1123	-86	436	-276	
413	426	1421	-67	0	-577	
414	426	1421	-67	0	-577	
415	648	108	44	471	399	
416	505	358	48	-191	441	
417	420	674	2	-87	425	
418	361	930	-32	277	502	
419	315	1049	-28	0	636	
420	315	1049	-28	0	636	
421	714	106	0	0	306	
422	554	355	0	0	382	
423	448	648	0	0	542	
424	359	858	0	0	741	
425	273	911	0	0	855	
426	273	911	0	0	855	
427	648	108	156	2227	399	
428	505	358	176	322	441	
429	420	674	162	187	425	
430	361	930	121	-52	502	
431	315	1049	68	0	636	
432	315	1049	68	0	636	
433	371	57	305	5355	479	
434	301	371	255	1061	255	
435	333	778	288	1352	28	
436	348	1123	204	324	-276	
437	426	1421	116	0	-577	
438	426	1421	116	0	-577	
439	-183	-30	235	6362	4068	
440	56	406	579	4530	4066	
441	-4	740	342	3105	736	
442	342	1428	204	670	-2383	
443	566	1885	99	0	-2087	
444	566	1885	99	0	-2087	
445	665	1006	0	0	13223	
446	-1385	-445	0	0	7774	
447	285	2174	0	0	911	
448	403	1725	0	0	-1268	
449	645	2152	0	0	-2033	
450	645	2152	0	0	-2033	
451	-183	-30	215	4468	4068	
452	56	406	576	-3366	4066	
453	-4	740	63	359	736	
454	342	1428	-68	400	-2383	
455	566	1885	-73	0	-2087	
456	566	1885	-73	0	-2087	
457	371	57	174	2313	479	
458	301	371	37	-664	255	
459	333	778	10	-127	28	
460	348	1123	-86	436	-276	
461	426	1421	-67	0	-577	
462	426	1421	-67	0	-577	
463	648	108	44	471	399	
464	505	358	48	-191	441	
465	420	674	2	-87	425	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
466	361	930	-32	277	502
467	315	1049	-28	0	636
468	315	1049	-28	0	636
469	714	106	0	0	306
470	555	355	0	0	382
471	448	648	0	0	542
472	359	858	0	0	741
473	273	911	0	0	855
474	273	911	0	0	855
475	648	108	156	2228	399
476	505	358	176	322	441
477	420	674	162	187	426
478	361	930	121	-52	502
479	315	1049	68	0	636
480	315	1049	68	0	636
481	371	57	305	5355	479
482	301	371	255	1061	255
483	333	778	288	1352	28
484	348	1123	204	324	-276
485	426	1421	116	0	-577
486	426	1421	116	0	-577
487	-183	-30	235	6363	4068
488	56	406	579	4530	4066
489	-4	740	342	3105	736
490	342	1428	204	670	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	665	1006	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-183	-30	215	4468	4067
500	56	406	577	-3367	4066
501	-4	740	63	361	736
502	343	1429	-68	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	174	2314	479
506	301	371	37	-659	255
507	332	778	10	-123	28
508	348	1123	-85	438	-276
509	427	1422	-67	0	-576
510	427	1422	-67	0	-576
511	645	108	44	473	398
512	502	357	48	-180	440
513	419	673	3	-89	426
514	361	930	-31	282	503
515	315	1051	-28	0	638
516	315	1051	-28	0	638
517	706	105	1	5	304
518	549	352	1	22	380
519	445	645	1	17	542
520	358	856	1	12	742
521	274	912	0	0	858
522	274	912	0	0	858
523	633	106	151	2203	396
524	494	353	170	334	438
525	414	667	157	217	425
526	358	924	119	-58	503
527	315	1048	67	0	638
528	315	1048	67	0	638
529	342	53	294	5296	474
530	283	361	243	1086	251
531	321	762	277	1344	25
532	341	1108	198	315	-276
533	424	1415	114	0	-575
534	424	1415	114	0	-575
535	-176	-38	215	6238	4059
536	54	387	556	4592	4057
537	-28	710	321	3094	729
538	328	1397	192	656	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	674	1007	6	54	13302
542	-1387	-479	6	195	7836
543	243	2119	6	159	919
544	376	1664	4	160	-1328
545	633	2110	2	0	-2125
546	633	2110	2	0	-2125
547	-172	-51	223	4556	4048
548	57	349	585	-3135	4043
549	-77	644	71	598	710
550	292	1315	-63	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	186	2455	450
554	150	279	49	-262	221
555	218	617	20	211	-14
556	261	921	-79	848	-321
557	366	1221	-63	0	-623
558	366	1221	-63	0	-623



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
559	359	65	61	698	352
560	283	220	65	311	391
561	245	420	14	269	373
562	219	590	-27	871	441
563	203	678	-26	0	565
564	203	678	-26	0	565
565	357	53	33	396	223
566	272	158	26	532	320
567	207	266	14	465	510
568	144	312	-4	776	710
569	78	259	-5	0	821
570	78	259	-5	0	821
571	289	44	17	220	186
572	212	101	17	512	309
573	143	140	12	438	532
574	72	108	5	602	845
575	-6	-21	2	0	1017
576	-6	-21	2	0	1017
577	208	32	11	129	169
578	146	54	12	410	295
579	84	46	10	345	592
580	17	-32	6	415	914
581	-58	-193	3	0	1077
582	-58	-193	3	0	1077
583	139	22	8	69	158
584	91	21	9	290	301
585	39	-17	9	240	624
586	-21	-120	5	265	938
587	-88	-293	3	0	1117
588	-88	-293	3	0	1117
589	87	14	5	36	151
590	51	-1	7	191	316
591	9	-56	8	137	635
592	-43	-171	6	133	962
593	-98	-328	3	0	1131
594	-98	-328	3	0	1131
595	44	6	3	26	138
596	22	-14	4	117	281
597	-2	-78	6	52	583
598	-35	-182	9	-31	959
599	-104	-346	8	0	1164
600	-104	-346	8	0	1164
601	18	16	-1	32	215
602	4	-15	-2	85	441
603	-4	-87	-4	19	781
604	4	-187	15	-127	918
605	-94	-314	35	0	941
606	-94	-314	35	0	941

## Combinazione n° 23 - SLEF

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-23	215
2	44	6	17	48	138
3	22	-14	23	21	281
4	4	-15	18	8	441
5	87	14	34	218	151
6	51	-1	41	35	316
7	-2	-78	22	52	583
8	-4	-87	24	42	781
9	9	-56	39	49	635
10	139	22	59	456	158
11	91	21	71	31	301
12	39	-17	67	27	624
13	-35	-182	12	129	959
14	4	-187	3	194	918
15	-43	-171	24	63	962
16	-21	-120	43	33	938
17	208	32	98	828	169
18	146	54	116	21	295
19	84	46	110	12	592
20	17	-32	72	18	914
21	-104	-346	4	0	1164
22	-94	-314	-21	0	941
23	-98	-328	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	186
27	212	101	179	23	309
28	143	140	171	-7	532
29	72	108	115	-8	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	223
38	272	158	258	75	320
39	207	266	251	11	510

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
40	144	312	170	-75	710
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	352
44	283	220	355	299	391
45	245	420	334	78	373
46	219	590	232	-60	441
47	203	678	124	0	565
48	203	678	124	0	565
49	163	26	403	6186	450
50	150	279	371	914	221
51	218	617	398	1358	-14
52	261	921	272	340	-321
53	366	1221	150	0	-623
54	366	1221	150	0	-623
55	-172	-51	294	6819	4048
56	57	349	649	4411	4043
57	-77	644	409	3117	710
58	292	1315	244	692	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	674	1007	35	248	13302
62	-1387	-479	42	16	7836
63	243	2119	39	13	919
64	376	1664	24	19	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-176	-38	211	4435	4059
68	54	387	572	-3371	4057
69	-28	710	59	263	729
70	328	1397	-71	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	172	2294	474
74	283	361	34	-735	251
75	321	762	7	-183	25
76	341	1108	-87	387	-276
77	424	1415	-67	0	-575
78	424	1415	-67	0	-575
79	633	106	42	461	396
80	494	353	46	-231	438
81	414	667	1	-81	425
82	358	924	-33	254	503
83	315	1048	-28	0	638
84	315	1048	-28	0	638
85	706	105	2	8	304
86	549	352	3	4	380
87	445	645	2	4	542
88	358	856	1	4	742
89	274	912	0	0	858
90	274	912	0	0	858
91	645	108	157	2229	398
92	502	357	177	319	440
93	419	673	163	180	426
94	361	930	122	-50	503
95	315	1051	68	0	638
96	315	1051	68	0	638
97	369	57	305	5354	479
98	301	371	255	1060	255
99	332	778	288	1353	28
100	348	1123	204	325	-276
101	427	1422	116	0	-576
102	427	1422	116	0	-576
103	-183	-30	235	6360	4067
104	56	406	579	4530	4066
105	-4	740	342	3106	736
106	343	1429	204	670	-2385
107	566	1886	99	0	-2090
108	566	1886	99	0	-2090
109	665	1006	0	0	13223
110	-1385	-445	0	0	7774
111	285	2174	0	0	910
112	403	1726	0	0	-1270
113	646	2152	0	0	-2035
114	646	2152	0	0	-2035
115	-183	-30	215	4468	4068
116	56	406	576	-3366	4066
117	-4	740	63	359	736
118	342	1428	-68	400	-2383
119	566	1886	-73	0	-2088
120	566	1886	-73	0	-2088
121	371	57	174	2313	479
122	301	371	37	-664	255
123	333	778	10	-127	28
124	348	1123	-86	436	-276
125	426	1421	-67	0	-577
126	426	1421	-67	0	-577
127	648	108	44	471	399
128	505	358	48	-191	441
129	420	674	2	-87	426
130	361	930	-32	277	502
131	315	1049	-28	0	636
132	315	1049	-28	0	636

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
133	714	106	0	0	306	
134	555	355	0	0	382	
135	448	648	0	0	542	
136	359	858	0	0	741	
137	273	911	0	0	855	
138	273	911	0	0	855	
139	648	108	156	2227	399	
140	505	358	176	322	441	
141	420	674	162	187	425	
142	361	930	121	-52	502	
143	315	1049	68	0	636	
144	315	1049	68	0	636	
145	371	57	305	5355	479	
146	301	371	255	1061	255	
147	333	778	288	1352	28	
148	348	1123	204	324	-276	
149	426	1421	116	0	-577	
150	426	1421	116	0	-577	
151	-183	-30	235	6362	4068	
152	56	406	579	4531	4066	
153	-4	740	342	3105	736	
154	342	1428	204	670	-2383	
155	566	1885	99	0	-2087	
156	566	1885	99	0	-2087	
157	665	1006	0	0	13223	
158	-1385	-445	0	0	7774	
159	285	2174	0	0	911	
160	403	1725	0	0	-1268	
161	645	2152	0	0	-2033	
162	645	2152	0	0	-2033	
163	-183	-30	215	4468	4068	
164	56	406	576	-3366	4066	
165	-4	740	63	359	736	
166	342	1428	-68	400	-2383	
167	566	1885	-73	0	-2087	
168	566	1885	-73	0	-2087	
169	371	57	174	2313	479	
170	301	371	37	-664	255	
171	333	778	10	-127	28	
172	348	1123	-86	436	-276	
173	426	1421	-67	0	-577	
174	426	1421	-67	0	-577	
175	648	108	44	471	399	
176	505	358	48	-191	441	
177	420	674	2	-87	425	
178	361	930	-32	277	502	
179	315	1049	-28	0	636	
180	315	1049	-28	0	636	
181	714	106	0	0	306	
182	554	355	0	0	382	
183	448	648	0	0	542	
184	359	858	0	0	741	
185	273	911	0	0	855	
186	273	911	0	0	855	
187	648	108	156	2227	399	
188	505	358	176	322	441	
189	420	674	162	187	425	
190	361	930	121	-52	502	
191	315	1049	68	0	636	
192	315	1049	68	0	636	
193	371	57	305	5355	479	
194	301	371	255	1061	255	
195	333	778	288	1352	28	
196	348	1123	204	324	-276	
197	426	1421	116	0	-577	
198	426	1421	116	0	-577	
199	-183	-30	235	6362	4068	
200	56	406	579	4531	4066	
201	-4	740	342	3105	736	
202	342	1428	204	670	-2383	
203	566	1885	99	0	-2087	
204	566	1885	99	0	-2087	
205	665	1006	0	0	13223	
206	-1385	-445	0	0	7774	
207	285	2174	0	0	911	
208	403	1725	0	0	-1268	
209	645	2152	0	0	-2033	
210	645	2152	0	0	-2033	
211	-183	-30	215	4468	4068	
212	56	406	576	-3366	4066	
213	-4	740	63	359	736	
214	342	1428	-68	400	-2383	
215	566	1885	-73	0	-2087	
216	566	1885	-73	0	-2087	
217	371	57	174	2313	479	
218	301	371	37	-664	255	
219	333	778	10	-127	28	
220	348	1123	-86	436	-276	
221	426	1421	-67	0	-577	
222	426	1421	-67	0	-577	
223	648	108	44	471	399	
224	505	358	48	-191	441	
225	420	674	2	-87	425	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
226	361	930	-32	277	502
227	315	1049	-28	0	636
228	315	1049	-28	0	636
229	714	106	0	0	306
230	554	355	0	0	382
231	448	648	0	0	542
232	359	858	0	0	741
233	273	911	0	0	855
234	273	911	0	0	855
235	648	108	156	2227	399
236	505	358	176	322	441
237	420	674	162	187	425
238	361	930	121	-52	502
239	315	1049	68	0	636
240	315	1049	68	0	636
241	371	57	305	5355	479
242	301	371	255	1061	255
243	333	778	288	1352	28
244	348	1123	204	324	-276
245	426	1421	116	0	-577
246	426	1421	116	0	-577
247	-183	-30	235	6362	4068
248	56	406	579	4531	4066
249	-4	740	342	3105	736
250	342	1428	204	670	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	665	1006	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-183	-30	215	4468	4068
260	56	406	576	-3366	4066
261	-4	740	63	359	736
262	342	1428	-68	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087
265	371	57	174	2313	479
266	301	371	37	-664	255
267	333	778	10	-127	28
268	348	1123	-86	436	-276
269	426	1421	-67	0	-577
270	426	1421	-67	0	-577
271	648	108	44	471	399
272	505	358	48	-191	441
273	420	674	2	-87	425
274	361	930	-32	277	502
275	315	1049	-28	0	636
276	315	1049	-28	0	636
277	714	106	0	0	306
278	554	355	0	0	382
279	448	648	0	0	542
280	359	858	0	0	741
281	273	911	0	0	855
282	273	911	0	0	855
283	648	108	156	2227	399
284	505	358	176	322	441
285	420	674	162	187	425
286	361	930	121	-52	502
287	315	1049	68	0	636
288	315	1049	68	0	636
289	371	57	305	5355	479
290	301	371	255	1061	255
291	333	778	288	1352	28
292	348	1123	204	324	-276
293	426	1421	116	0	-577
294	426	1421	116	0	-577
295	-183	-30	235	6362	4068
296	56	406	579	4531	4066
297	-4	740	342	3105	736
298	342	1428	204	670	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	665	1006	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-183	-30	215	4468	4068
308	56	406	576	-3366	4066
309	-4	740	63	359	736
310	342	1428	-68	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	174	2313	479
314	301	371	37	-664	255
315	333	778	10	-127	28
316	348	1123	-86	436	-276
317	426	1421	-67	0	-577
318	426	1421	-67	0	-577

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
319	648	108	44	471	399	
320	505	358	48	-191	441	
321	420	674	2	-87	425	
322	361	930	-32	277	502	
323	315	1049	-28	0	636	
324	315	1049	-28	0	636	
325	714	106	0	0	306	
326	554	355	0	0	382	
327	448	648	0	0	542	
328	359	858	0	0	741	
329	273	911	0	0	855	
330	273	911	0	0	855	
331	648	108	156	2227	399	
332	505	358	176	322	441	
333	420	674	162	187	425	
334	361	930	121	-52	502	
335	315	1049	68	0	636	
336	315	1049	68	0	636	
337	371	57	305	5355	479	
338	301	371	255	1061	255	
339	333	778	288	1352	28	
340	348	1123	204	324	-276	
341	426	1421	116	0	-577	
342	426	1421	116	0	-577	
343	-183	-30	235	6362	4068	
344	56	406	579	4531	4066	
345	-4	740	342	3105	736	
346	342	1428	204	670	-2383	
347	566	1885	99	0	-2087	
348	566	1885	99	0	-2087	
349	665	1006	0	0	13223	
350	-1385	-445	0	0	7774	
351	285	2174	0	0	911	
352	403	1725	0	0	-1268	
353	645	2152	0	0	-2033	
354	645	2152	0	0	-2033	
355	-183	-30	215	4468	4068	
356	56	406	576	-3366	4066	
357	-4	740	63	359	736	
358	342	1428	-68	400	-2383	
359	566	1885	-73	0	-2087	
360	566	1885	-73	0	-2087	
361	371	57	174	2313	479	
362	301	371	37	-664	255	
363	333	778	10	-127	28	
364	348	1123	-86	436	-276	
365	426	1421	-67	0	-577	
366	426	1421	-67	0	-577	
367	648	108	44	471	399	
368	505	358	48	-191	441	
369	420	674	2	-87	425	
370	361	930	-32	277	502	
371	315	1049	-28	0	636	
372	315	1049	-28	0	636	
373	714	106	0	0	306	
374	554	355	0	0	382	
375	448	648	0	0	542	
376	359	858	0	0	741	
377	273	911	0	0	855	
378	273	911	0	0	855	
379	648	108	156	2227	399	
380	505	358	176	322	441	
381	420	674	162	187	425	
382	361	930	121	-52	502	
383	315	1049	68	0	636	
384	315	1049	68	0	636	
385	371	57	305	5355	479	
386	301	371	255	1061	255	
387	333	778	288	1352	28	
388	348	1123	204	324	-276	
389	426	1421	116	0	-577	
390	426	1421	116	0	-577	
391	-183	-30	235	6362	4068	
392	56	406	579	4531	4066	
393	-4	740	342	3105	736	
394	342	1428	204	670	-2383	
395	566	1885	99	0	-2087	
396	566	1885	99	0	-2087	
397	665	1006	0	0	13223	
398	-1385	-445	0	0	7774	
399	285	2174	0	0	911	
400	403	1725	0	0	-1268	
401	645	2152	0	0	-2033	
402	645	2152	0	0	-2033	
403	-183	-30	215	4468	4068	
404	56	406	576	-3366	4066	
405	-4	740	63	359	736	
406	342	1428	-68	400	-2383	
407	566	1885	-73	0	-2087	
408	566	1885	-73	0	-2087	
409	371	57	174	2313	479	
410	301	371	37	-664	255	
411	333	778	10	-127	28	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
412	348	1123	-86	436	-276	
413	426	1421	-67	0	-577	
414	426	1421	-67	0	-577	
415	648	108	44	471	399	
416	505	358	48	-191	441	
417	420	674	2	-87	425	
418	361	930	-32	277	502	
419	315	1049	-28	0	636	
420	315	1049	-28	0	636	
421	714	106	0	0	306	
422	554	355	0	0	382	
423	448	648	0	0	542	
424	359	858	0	0	741	
425	273	911	0	0	855	
426	273	911	0	0	855	
427	648	108	156	2227	399	
428	505	358	176	322	441	
429	420	674	162	187	426	
430	361	930	121	-52	502	
431	315	1049	68	0	636	
432	315	1049	68	0	636	
433	371	57	305	5355	479	
434	301	371	255	1061	255	
435	333	778	288	1352	28	
436	348	1123	204	324	-276	
437	426	1421	116	0	-577	
438	426	1421	116	0	-577	
439	-183	-30	235	6363	4068	
440	56	406	579	4530	4066	
441	-4	740	342	3105	736	
442	342	1428	204	670	-2383	
443	566	1885	99	0	-2087	
444	566	1885	99	0	-2087	
445	665	1006	0	0	13223	
446	-1385	-445	0	0	7774	
447	285	2174	0	0	910	
448	403	1725	0	0	-1270	
449	645	2152	0	0	-2035	
450	645	2152	0	0	-2035	
451	-183	-30	215	4468	4067	
452	56	406	576	-3367	4066	
453	-4	740	63	359	736	
454	342	1428	-68	400	-2385	
455	566	1885	-73	0	-2090	
456	566	1885	-73	0	-2090	
457	371	57	174	2313	479	
458	301	371	37	-664	255	
459	333	778	10	-127	28	
460	348	1123	-86	436	-276	
461	426	1421	-67	0	-577	
462	426	1421	-67	0	-577	
463	648	108	44	471	399	
464	505	358	48	-191	441	
465	420	674	2	-87	425	
466	361	930	-32	277	502	
467	315	1049	-28	0	636	
468	315	1049	-28	0	636	
469	714	106	0	0	306	
470	555	355	0	0	382	
471	448	648	0	0	542	
472	359	858	0	0	741	
473	273	911	0	0	855	
474	273	911	0	0	855	
475	648	108	156	2228	399	
476	505	358	176	322	441	
477	420	674	162	187	426	
478	361	930	121	-52	502	
479	315	1049	68	0	636	
480	315	1049	68	0	636	
481	371	57	305	5355	479	
482	301	371	255	1061	255	
483	333	778	288	1352	28	
484	348	1123	204	324	-276	
485	426	1421	116	0	-577	
486	426	1421	116	0	-577	
487	-183	-30	235	6363	4068	
488	56	406	579	4530	4066	
489	-4	740	342	3105	736	
490	342	1428	204	670	-2383	
491	566	1886	100	0	-2088	
492	566	1886	100	0	-2088	
493	665	1006	0	2	13223	
494	-1385	-445	0	1	7774	
495	285	2174	0	0	910	
496	403	1726	0	0	-1270	
497	646	2152	0	0	-2035	
498	646	2152	0	0	-2035	
499	-183	-30	215	4468	4067	
500	56	406	577	-3367	4066	
501	-4	740	63	361	736	
502	343	1429	-68	400	-2385	
503	566	1886	-73	0	-2090	
504	566	1886	-73	0	-2090	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
505	369	57	174	2314	479
506	301	371	37	-659	255
507	332	778	10	-123	28
508	348	1123	-85	438	-276
509	427	1422	-67	0	-576
510	427	1422	-67	0	-576
511	645	108	44	473	398
512	502	357	48	-180	440
513	419	673	3	-89	426
514	361	930	-31	282	503
515	315	1051	-28	0	638
516	315	1051	-28	0	638
517	706	105	1	5	304
518	549	352	1	22	380
519	445	645	1	17	542
520	358	856	1	12	742
521	274	912	0	0	858
522	274	912	0	0	858
523	633	106	151	2203	396
524	494	353	170	334	438
525	414	667	157	217	425
526	358	924	119	-58	503
527	315	1048	67	0	638
528	315	1048	67	0	638
529	342	53	294	5296	474
530	283	361	243	1086	251
531	321	762	277	1344	25
532	341	1108	198	315	-276
533	424	1415	114	0	-575
534	424	1415	114	0	-575
535	-176	-38	215	6238	4059
536	54	387	556	4592	4057
537	-28	710	321	3094	729
538	328	1397	192	656	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	674	1007	6	54	13302
542	-1387	-479	6	195	7836
543	243	2119	6	159	919
544	376	1664	4	160	-1328
545	633	2110	2	0	-2125
546	633	2110	2	0	-2125
547	-172	-51	223	4556	4048
548	57	349	585	-3135	4043
549	-77	644	71	598	710
550	292	1315	-63	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	186	2455	450
554	150	279	49	-262	221
555	218	617	20	211	-14
556	261	921	-79	848	-321
557	366	1221	-63	0	-623
558	366	1221	-63	0	-623
559	359	65	61	698	352
560	283	220	65	311	391
561	245	420	14	269	373
562	219	590	-27	871	441
563	203	678	-26	0	565
564	203	678	-26	0	565
565	357	53	33	396	223
566	272	158	26	532	320
567	207	266	14	465	510
568	144	312	-4	776	710
569	78	259	-5	0	821
570	78	259	-5	0	821
571	289	44	17	220	186
572	212	101	17	512	309
573	143	140	12	438	532
574	72	108	5	602	845
575	-6	-21	2	0	1017
576	-6	-21	2	0	1017
577	208	32	11	129	169
578	146	54	12	410	295
579	84	46	10	345	592
580	17	-32	6	415	914
581	-58	-193	3	0	1077
582	-58	-193	3	0	1077
583	139	22	8	69	158
584	91	21	9	290	301
585	39	-17	9	240	624
586	-21	-120	5	265	938
587	-88	-293	3	0	1117
588	-88	-293	3	0	1117
589	87	14	5	36	151
590	51	-1	7	191	316
591	9	-56	8	137	635
592	-43	-171	6	133	962
593	-98	-328	3	0	1131
594	-98	-328	3	0	1131
595	44	6	3	26	138
596	22	-14	4	117	281
597	-2	-78	6	52	583

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
598	-35	-182	9	-31	959
599	-104	-346	8	0	1164
600	-104	-346	8	0	1164
601	18	16	-1	32	215
602	4	-15	-2	85	441
603	-4	-87	-4	19	781
604	4	-187	15	-127	918
605	-94	-314	35	0	941
606	-94	-314	35	0	941

## Combinazione n° 24 - SLEQ

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
1	18	16	12	-23	215
2	44	6	17	48	138
3	22	-14	23	21	281
4	4	-15	18	8	441
5	87	14	34	218	151
6	51	-1	41	35	316
7	-2	-78	22	52	583
8	-4	-87	24	42	781
9	9	-56	39	49	635
10	139	22	59	456	158
11	91	21	71	31	301
12	39	-17	67	27	624
13	-35	-182	12	129	959
14	4	-187	3	194	918
15	-43	-171	24	63	962
16	-21	-120	43	33	938
17	208	32	98	828	169
18	146	54	116	21	295
19	84	46	110	12	592
20	17	-32	72	18	914
21	-104	-346	4	0	1164
22	-94	-314	-21	0	941
23	-98	-328	12	0	1131
24	-88	-293	21	0	1117
25	-58	-193	36	0	1077
26	289	44	153	1421	186
27	212	101	179	23	309
28	143	140	171	-7	532
29	72	108	115	-8	845
30	-6	-21	58	0	1017
31	-6	-21	58	0	1017
32	-6	-21	58	0	1017
33	-6	-21	58	0	1017
34	-6	-21	58	0	1017
35	-6	-21	58	0	1017
36	-6	-21	58	0	1017
37	357	53	226	2351	223
38	272	158	258	75	320
39	207	266	251	11	510
40	144	312	170	-75	710
41	78	259	89	0	821
42	78	259	89	0	821
43	359	65	309	3650	352
44	283	220	355	299	391
45	245	420	334	78	373
46	219	590	232	-60	441
47	203	678	124	0	565
48	203	678	124	0	565
49	163	26	403	6186	450
50	150	279	371	914	221
51	218	617	398	1358	-14
52	261	921	272	340	-321
53	366	1221	150	0	-623
54	366	1221	150	0	-623
55	-172	-51	294	6819	4048
56	57	349	649	4411	4043
57	-77	644	409	3117	710
58	292	1315	244	692	-2430
59	538	1793	116	0	-2183
60	538	1793	116	0	-2183
61	674	1007	35	248	13302
62	-1387	-479	42	16	7836
63	243	2119	39	13	919
64	376	1664	24	19	-1328
65	633	2110	11	0	-2125
66	633	2110	11	0	-2125
67	-176	-38	211	4435	4059
68	54	387	572	-3371	4057
69	-28	710	59	263	729
70	328	1397	-71	310	-2434
71	561	1869	-68	0	-2158
72	561	1869	-68	0	-2158
73	342	53	172	2294	474
74	283	361	34	-735	251
75	321	762	7	-183	25
76	341	1108	-87	387	-276
77	424	1415	-67	0	-575
78	424	1415	-67	0	-575



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
79	633	106	42	461	396	
80	494	353	46	-231	438	
81	414	667	1	-81	425	
82	358	924	-33	254	503	
83	315	1048	-28	0	638	
84	315	1048	-28	0	638	
85	706	105	2	8	304	
86	549	352	3	4	380	
87	445	645	2	4	542	
88	358	856	1	4	742	
89	274	912	0	0	858	
90	274	912	0	0	858	
91	645	108	157	2229	398	
92	502	357	177	319	440	
93	419	673	163	180	426	
94	361	930	122	-50	503	
95	315	1051	68	0	638	
96	315	1051	68	0	638	
97	369	57	305	5354	479	
98	301	371	255	1060	255	
99	332	778	288	1353	28	
100	348	1123	204	325	-276	
101	427	1422	116	0	-576	
102	427	1422	116	0	-576	
103	-183	-30	235	6360	4067	
104	56	406	579	4530	4066	
105	-4	740	342	3106	736	
106	343	1429	204	670	-2385	
107	566	1886	99	0	-2090	
108	566	1886	99	0	-2090	
109	665	1006	0	0	13223	
110	-1385	-445	0	0	7774	
111	285	2174	0	0	910	
112	403	1726	0	0	-1270	
113	646	2152	0	0	-2035	
114	646	2152	0	0	-2035	
115	-183	-30	215	4468	4068	
116	56	406	576	-3366	4066	
117	-4	740	63	359	736	
118	342	1428	-68	400	-2383	
119	566	1886	-73	0	-2088	
120	566	1886	-73	0	-2088	
121	371	57	174	2313	479	
122	301	371	37	-664	255	
123	333	778	10	-127	28	
124	348	1123	-86	436	-276	
125	426	1421	-67	0	-577	
126	426	1421	-67	0	-577	
127	648	108	44	471	399	
128	505	358	48	-191	441	
129	420	674	2	-87	426	
130	361	930	-32	277	502	
131	315	1049	-28	0	636	
132	315	1049	-28	0	636	
133	714	106	0	0	306	
134	555	355	0	0	382	
135	448	648	0	0	542	
136	359	858	0	0	741	
137	273	911	0	0	855	
138	273	911	0	0	855	
139	648	108	156	2227	399	
140	505	358	176	322	441	
141	420	674	162	187	425	
142	361	930	121	-52	502	
143	315	1049	68	0	636	
144	315	1049	68	0	636	
145	371	57	305	5355	479	
146	301	371	255	1061	255	
147	333	778	288	1352	28	
148	348	1123	204	324	-276	
149	426	1421	116	0	-577	
150	426	1421	116	0	-577	
151	-183	-30	235	6362	4068	
152	56	406	579	4531	4066	
153	-4	740	342	3105	736	
154	342	1428	204	670	-2383	
155	566	1885	99	0	-2087	
156	566	1885	99	0	-2087	
157	665	1006	0	0	13223	
158	-1385	-445	0	0	7774	
159	285	2174	0	0	910	
160	403	1725	0	0	-1268	
161	645	2152	0	0	-2033	
162	645	2152	0	0	-2033	
163	-183	-30	215	4468	4068	
164	56	406	576	-3366	4066	
165	-4	740	63	359	736	
166	342	1428	-68	400	-2383	
167	566	1885	-73	0	-2087	
168	566	1885	-73	0	-2087	
169	371	57	174	2313	479	
170	301	371	37	-664	255	
171	333	778	10	-127	28	

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
172	348	1123	-86	436	-276
173	426	1421	-67	0	-577
174	426	1421	-67	0	-577
175	648	108	44	471	399
176	505	358	48	-191	441
177	420	674	2	-87	425
178	361	930	-32	277	502
179	315	1049	-28	0	636
180	315	1049	-28	0	636
181	714	106	0	0	306
182	554	355	0	0	382
183	448	648	0	0	542
184	359	858	0	0	741
185	273	911	0	0	855
186	273	911	0	0	855
187	648	108	156	2227	399
188	505	358	176	322	441
189	420	674	162	187	425
190	361	930	121	-52	502
191	315	1049	68	0	636
192	315	1049	68	0	636
193	371	57	305	5355	479
194	301	371	255	1061	255
195	333	778	288	1352	28
196	348	1123	204	324	-276
197	426	1421	116	0	-577
198	426	1421	116	0	-577
199	-183	-30	235	6362	4068
200	56	406	579	4531	4066
201	-4	740	342	3105	736
202	342	1428	204	670	-2383
203	566	1885	99	0	-2087
204	566	1885	99	0	-2087
205	665	1006	0	0	13223
206	-1385	-445	0	0	7774
207	285	2174	0	0	911
208	403	1725	0	0	-1268
209	645	2152	0	0	-2033
210	645	2152	0	0	-2033
211	-183	-30	215	4468	4068
212	56	406	576	-3366	4066
213	-4	740	63	359	736
214	342	1428	-68	400	-2383
215	566	1885	-73	0	-2087
216	566	1885	-73	0	-2087
217	371	57	174	2313	479
218	301	371	37	-664	255
219	333	778	10	-127	28
220	348	1123	-86	436	-276
221	426	1421	-67	0	-577
222	426	1421	-67	0	-577
223	648	108	44	471	399
224	505	358	48	-191	441
225	420	674	2	-87	425
226	361	930	-32	277	502
227	315	1049	-28	0	636
228	315	1049	-28	0	636
229	714	106	0	0	306
230	554	355	0	0	382
231	448	648	0	0	542
232	359	858	0	0	741
233	273	911	0	0	855
234	273	911	0	0	855
235	648	108	156	2227	399
236	505	358	176	322	441
237	420	674	162	187	425
238	361	930	121	-52	502
239	315	1049	68	0	636
240	315	1049	68	0	636
241	371	57	305	5355	479
242	301	371	255	1061	255
243	333	778	288	1352	28
244	348	1123	204	324	-276
245	426	1421	116	0	-577
246	426	1421	116	0	-577
247	-183	-30	235	6362	4068
248	56	406	579	4531	4066
249	-4	740	342	3105	736
250	342	1428	204	670	-2383
251	566	1885	99	0	-2087
252	566	1885	99	0	-2087
253	665	1006	0	0	13223
254	-1385	-445	0	0	7774
255	285	2174	0	0	911
256	403	1725	0	0	-1268
257	645	2152	0	0	-2033
258	645	2152	0	0	-2033
259	-183	-30	215	4468	4068
260	56	406	576	-3366	4066
261	-4	740	63	359	736
262	342	1428	-68	400	-2383
263	566	1885	-73	0	-2087
264	566	1885	-73	0	-2087

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
265	371	57	174	2313	479
266	301	371	37	-664	255
267	333	778	10	-127	28
268	348	1123	-86	436	-276
269	426	1421	-67	0	-577
270	426	1421	-67	0	-577
271	648	108	44	471	399
272	505	358	48	-191	441
273	420	674	2	-87	425
274	361	930	-32	277	502
275	315	1049	-28	0	636
276	315	1049	-28	0	636
277	714	106	0	0	306
278	554	355	0	0	382
279	448	648	0	0	542
280	359	858	0	0	741
281	273	911	0	0	855
282	273	911	0	0	855
283	648	108	156	2227	399
284	505	358	176	322	441
285	420	674	162	187	425
286	361	930	121	-52	502
287	315	1049	68	0	636
288	315	1049	68	0	636
289	371	57	305	5355	479
290	301	371	255	1061	255
291	333	778	288	1352	28
292	348	1123	204	324	-276
293	426	1421	116	0	-577
294	426	1421	116	0	-577
295	-183	-30	235	6362	4068
296	56	406	579	4531	4066
297	-4	740	342	3105	736
298	342	1428	204	670	-2383
299	566	1885	99	0	-2087
300	566	1885	99	0	-2087
301	665	1006	0	0	13223
302	-1385	-445	0	0	7774
303	285	2174	0	0	911
304	403	1725	0	0	-1268
305	645	2152	0	0	-2033
306	645	2152	0	0	-2033
307	-183	-30	215	4468	4068
308	56	406	576	-3366	4066
309	-4	740	63	359	736
310	342	1428	-68	400	-2383
311	566	1885	-73	0	-2087
312	566	1885	-73	0	-2087
313	371	57	174	2313	479
314	301	371	37	-664	255
315	333	778	10	-127	28
316	348	1123	-86	436	-276
317	426	1421	-67	0	-577
318	426	1421	-67	0	-577
319	648	108	44	471	399
320	505	358	48	-191	441
321	420	674	2	-87	425
322	361	930	-32	277	502
323	315	1049	-28	0	636
324	315	1049	-28	0	636
325	714	106	0	0	306
326	554	355	0	0	382
327	448	648	0	0	542
328	359	858	0	0	741
329	273	911	0	0	855
330	273	911	0	0	855
331	648	108	156	2227	399
332	505	358	176	322	441
333	420	674	162	187	425
334	361	930	121	-52	502
335	315	1049	68	0	636
336	315	1049	68	0	636
337	371	57	305	5355	479
338	301	371	255	1061	255
339	333	778	288	1352	28
340	348	1123	204	324	-276
341	426	1421	116	0	-577
342	426	1421	116	0	-577
343	-183	-30	235	6362	4068
344	56	406	579	4531	4066
345	-4	740	342	3105	736
346	342	1428	204	670	-2383
347	566	1885	99	0	-2087
348	566	1885	99	0	-2087
349	665	1006	0	0	13223
350	-1385	-445	0	0	7774
351	285	2174	0	0	911
352	403	1725	0	0	-1268
353	645	2152	0	0	-2033
354	645	2152	0	0	-2033
355	-183	-30	215	4468	4068
356	56	406	576	-3366	4066
357	-4	740	63	359	736

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
358	342	1428	-68	400	-2383
359	566	1885	-73	0	-2087
360	566	1885	-73	0	-2087
361	371	57	174	2313	479
362	301	371	37	-664	255
363	333	778	10	-127	28
364	348	1123	-86	436	-276
365	426	1421	-67	0	-577
366	426	1421	-67	0	-577
367	648	108	44	471	399
368	505	358	48	-191	441
369	420	674	2	-87	425
370	361	930	-32	277	502
371	315	1049	-28	0	636
372	315	1049	-28	0	636
373	714	106	0	0	306
374	554	355	0	0	382
375	448	648	0	0	542
376	359	858	0	0	741
377	273	911	0	0	855
378	273	911	0	0	855
379	648	108	156	2227	399
380	505	358	176	322	441
381	420	674	162	187	425
382	361	930	121	-52	502
383	315	1049	68	0	636
384	315	1049	68	0	636
385	371	57	305	5355	479
386	301	371	255	1061	255
387	333	778	288	1352	28
388	348	1123	204	324	-276
389	426	1421	116	0	-577
390	426	1421	116	0	-577
391	-183	-30	235	6362	4068
392	56	406	579	4531	4066
393	-4	740	342	3105	736
394	342	1428	204	670	-2383
395	566	1885	99	0	-2087
396	566	1885	99	0	-2087
397	665	1006	0	0	13223
398	-1385	-445	0	0	7774
399	285	2174	0	0	911
400	403	1725	0	0	-1268
401	645	2152	0	0	-2033
402	645	2152	0	0	-2033
403	-183	-30	215	4468	4068
404	56	406	576	-3366	4066
405	-4	740	63	359	736
406	342	1428	-68	400	-2383
407	566	1885	-73	0	-2087
408	566	1885	-73	0	-2087
409	371	57	174	2313	479
410	301	371	37	-664	255
411	333	778	10	-127	28
412	348	1123	-86	436	-276
413	426	1421	-67	0	-577
414	426	1421	-67	0	-577
415	648	108	44	471	399
416	505	358	48	-191	441
417	420	674	2	-87	425
418	361	930	-32	277	502
419	315	1049	-28	0	636
420	315	1049	-28	0	636
421	714	106	0	0	306
422	554	355	0	0	382
423	448	648	0	0	542
424	359	858	0	0	741
425	273	911	0	0	855
426	273	911	0	0	855
427	648	108	156	2227	399
428	505	358	176	322	441
429	420	674	162	187	425
430	361	930	121	-52	502
431	315	1049	68	0	636
432	315	1049	68	0	636
433	371	57	305	5355	479
434	301	371	255	1061	255
435	333	778	288	1352	28
436	348	1123	204	324	-276
437	426	1421	116	0	-577
438	426	1421	116	0	-577
439	-183	-30	235	6362	4068
440	56	406	579	4530	4066
441	-4	740	342	3105	736
442	342	1428	204	670	-2383
443	566	1885	99	0	-2087
444	566	1885	99	0	-2087
445	665	1006	0	0	13223
446	-1385	-445	0	0	7774
447	285	2174	0	0	911
448	403	1725	0	0	-1268
449	645	2152	0	0	-2033
450	645	2152	0	0	-2033

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
451	-183	-30	215	4468	4068
452	56	406	576	-3366	4066
453	-4	740	63	359	736
454	342	1428	-68	400	-2383
455	566	1885	-73	0	-2087
456	566	1885	-73	0	-2087
457	371	57	174	2313	479
458	301	371	37	-664	255
459	333	778	10	-127	28
460	348	1123	-86	436	-276
461	426	1421	-67	0	-577
462	426	1421	-67	0	-577
463	648	108	44	471	399
464	505	358	48	-191	441
465	420	674	2	-87	425
466	361	930	-32	277	502
467	315	1049	-28	0	636
468	315	1049	-28	0	636
469	714	106	0	0	306
470	555	355	0	0	382
471	448	648	0	0	542
472	359	858	0	0	741
473	273	911	0	0	855
474	273	911	0	0	855
475	648	108	156	2228	399
476	505	358	176	322	441
477	420	674	162	187	426
478	361	930	121	-52	502
479	315	1049	68	0	636
480	315	1049	68	0	636
481	371	57	305	5355	479
482	301	371	255	1061	255
483	333	778	288	1352	28
484	348	1123	204	324	-276
485	426	1421	116	0	-577
486	426	1421	116	0	-577
487	-183	-30	235	6363	4068
488	56	406	579	4530	4066
489	-4	740	342	3105	736
490	342	1428	204	670	-2383
491	566	1886	100	0	-2088
492	566	1886	100	0	-2088
493	665	1006	0	2	13223
494	-1385	-445	0	1	7774
495	285	2174	0	0	910
496	403	1726	0	0	-1270
497	646	2152	0	0	-2035
498	646	2152	0	0	-2035
499	-183	-30	215	4468	4067
500	56	406	577	-3367	4066
501	-4	740	63	361	736
502	343	1429	-68	400	-2385
503	566	1886	-73	0	-2090
504	566	1886	-73	0	-2090
505	369	57	174	2314	479
506	301	371	37	-659	255
507	332	778	10	-123	28
508	348	1123	-85	438	-276
509	427	1422	-67	0	-576
510	427	1422	-67	0	-576
511	645	108	44	473	398
512	502	357	48	-180	440
513	419	673	3	-89	426
514	361	930	-31	282	503
515	315	1051	-28	0	638
516	315	1051	-28	0	638
517	706	105	1	5	304
518	549	352	1	22	380
519	445	645	1	17	542
520	358	856	1	12	742
521	274	912	0	0	858
522	274	912	0	0	858
523	633	106	151	2203	396
524	494	353	170	334	438
525	414	667	157	217	425
526	358	924	119	-58	503
527	315	1048	67	0	638
528	315	1048	67	0	638
529	342	53	294	5296	474
530	283	361	243	1086	251
531	321	762	277	1344	25
532	341	1108	198	315	-276
533	424	1415	114	0	-575
534	424	1415	114	0	-575
535	-176	-38	215	6238	4059
536	54	387	556	4592	4057
537	-28	710	321	3094	729
538	328	1397	192	656	-2434
539	561	1869	98	0	-2158
540	561	1869	98	0	-2158
541	674	1007	6	54	13302
542	-1387	-479	6	195	7836
543	243	2119	6	159	919

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]
544	376	1664	4	160	-1328
545	633	2110	2	0	-2125
546	633	2110	2	0	-2125
547	-172	-51	223	4556	4048
548	57	349	585	-3135	4043
549	-77	644	71	598	710
550	292	1315	-63	659	-2430
551	538	1793	-75	0	-2183
552	538	1793	-75	0	-2183
553	163	26	186	2455	450
554	150	279	49	-262	221
555	218	617	20	211	-14
556	261	921	-79	848	-321
557	366	1221	-63	0	-623
558	366	1221	-63	0	-623
559	359	65	61	698	352
560	283	220	65	311	391
561	245	420	14	269	373
562	219	590	-27	871	441
563	203	678	-26	0	565
564	203	678	-26	0	565
565	357	53	33	396	223
566	272	158	26	532	320
567	207	266	14	465	510
568	144	312	-4	776	710
569	78	259	-5	0	821
570	78	259	-5	0	821
571	289	44	17	220	186
572	212	101	17	512	309
573	143	140	12	438	532
574	72	108	5	602	845
575	-6	-21	2	0	1017
576	-6	-21	2	0	1017
577	208	32	11	129	169
578	146	54	12	410	295
579	84	46	10	345	592
580	17	-32	6	415	914
581	-58	-193	3	0	1077
582	-58	-193	3	0	1077
583	139	22	8	69	158
584	91	21	9	290	301
585	39	-17	9	240	624
586	-21	-120	5	265	938
587	-88	-293	3	0	1117
588	-88	-293	3	0	1117
589	87	14	5	36	151
590	51	-1	7	191	316
591	9	-56	8	137	635
592	-43	-171	6	133	962
593	-98	-328	3	0	1131
594	-98	-328	3	0	1131
595	44	6	3	26	138
596	22	-14	4	117	281
597	-2	-78	6	52	583
598	-35	-182	9	-31	959
599	-104	-346	8	0	1164
600	-104	-346	8	0	1164
601	18	16	-1	32	215
602	4	-15	-2	85	441
603	-4	-87	-4	19	781
604	4	-187	15	-127	918
605	-94	-314	35	0	941
606	-94	-314	35	0	941

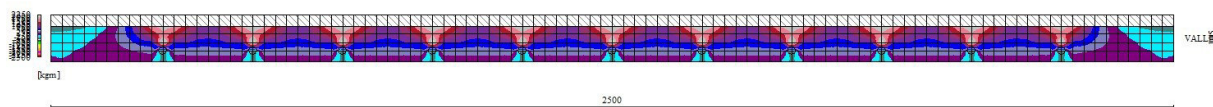


Fig. 10 - Piastra fondazione - Momenti  $M_{y_{MAX}}$  (Combinazione n° 2)

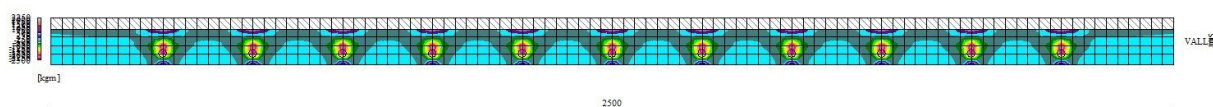


Fig. 11 - Piastra fondazione - Momenti  $M_{y_{MIN}}$  (Combinazione n° 20)

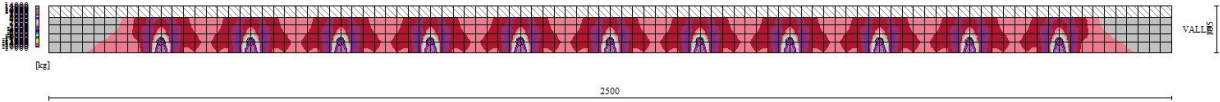


Fig. 12 - Piastra fondazione - Taglio TyMAX (Combinazione n° 2)

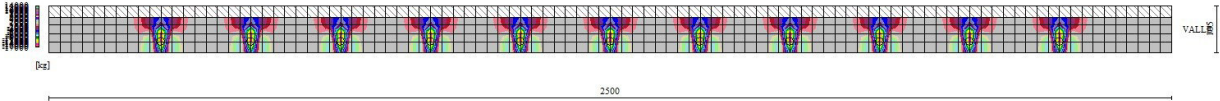


Fig. 13 - Piastra fondazione - Taglio TyMIN (Combinazione n° 20)

Sollecitazioni pali

Simbologia adottata

- N Sforzo normale, espresso in [kg]. Positivo se di compressione.
- T Taglio, espresso in [kg]. Positivo se diretto da monte verso valle
- M Momento, espresso in [kgm]. Positivo se tende le fibre contro terra (a monte)

Combinazione n° 1 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4269	35744	-1578	-13513	-418	-3580
12	0.99	4361	35744	17	-912	195	3986
19	1.62	4420	35744	154	3201	129	3007
94	8.37	5050	35744	0	0	0	0



Combinazione n° 2 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4269	35744	-3364	-6360	1234	2332
5	0.36	4303	35744	66	-1644	1807	3877
12	0.99	4361	35744	1436	3124	1224	3215
34	2.97	4546	35744	-14	46	-77	-168
94	8.37	5050	35744	0	0	0	0

Combinazione n° 3 - STR (A1-M1-R3) H + V

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4544	35744	-788	-2032	-1579	-4075
5	0.36	4577	35744	-1323	-3412	-1172	-3023
27	2.34	4762	35744	7	18	71	182
34	2.97	4821	35744	56	144	47	120
94	8.37	5324	35744	0	0	0	0

Combinazione n° 4 - STR (A1-M1-R3) H - V

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4095	35744	-774	-2317	-1361	-4075
5	0.36	4128	35744	-1163	-3481	-988	-2960
27	2.34	4313	35744	12	36	62	186
33	2.88	4363	35744	49	147	44	130
94	8.37	4875	35744	0	0	0	0

Combinazione n° 5 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5545	35743	-1578	-6647	-968	-4075
19	1.62	5696	35743	1	5	92	386
26	2.25	5755	35743	73	307	63	264
94	8.37	6326	35743	0	0	0	0

Combinazione n° 6 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4523	35744	-1578	-13913	-456	-4021
13	1.08	4623	35744	38	-137	181	4063
19	1.62	4674	35744	144	3176	126	3120
94	8.37	5303	35744	0	0	0	0

Combinazione n° 7 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5292	35744	-1578	-6919	-929	-4075
19	1.62	5443	35744	12	52	94	413
26	2.25	5502	35744	75	327	61	269
94	8.37	6072	35744	0	0	0	0

Combinazione n° 8 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5545	35743	-3364	-7663	684	1559
6	0.45	5587	35743	78	-1864	1359	3838
13	1.08	5646	35743	1079	3095	912	3268
35	3.06	5831	35743	-12	57	-58	-167
94	8.37	6326	35743	0	0	0	0

Combinazione n° 9 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4523	35744	-3364	-6439	1196	2288
5	0.36	4556	35744	40	-1724	1774	3861
12	0.99	4615	35744	1410	3112	1208	3237
34	2.97	4800	35744	-13	50	-75	-167
94	8.37	5303	35744	0	0	0	0

Combinazione n° 10 - STR (A1-M1-R3)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5292	35744	-3364	-7560	722	1623
6	0.45	5334	35744	107	-1763	1389	3856
13	1.08	5392	35744	1102	3110	924	3241
35	3.06	5577	35744	-13	51	-59	-167
94	8.37	6072	35744	0	0	0	0

Combinazione n° 19 - SLER

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-1030	-4716	-890	-4075
23	1.98	4443	35744	10	43	55	253
29	2.52	4493	35744	44	201	39	179
94	8.37	5038	35744	0	0	0	0

Combinazione n° 20 - SLEF

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

Combinazione n° 21 - SLEQ

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

Combinazione n° 22 - SLER

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-2221	-8720	211	828
7	0.54	4308	35744	70	-1824	720	3847
14	1.17	4367	35744	570	3105	475	3250
36	3.15	4552	35744	-7	53	-30	-167
94	8.37	5038	35744	0	0	0	0

Combinazione n° 23 - SLEF

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-453	-1298	-1424	-4075
6	0.45	4300	35744	-1153	-3299	-1011	-2895
28	2.43	4484	35744	7	21	62	176
35	3.06	4543	35744	49	139	40	115
94	8.37	5038	35744	0	0	0	0

Combinazione n° 24 - SLEQ

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

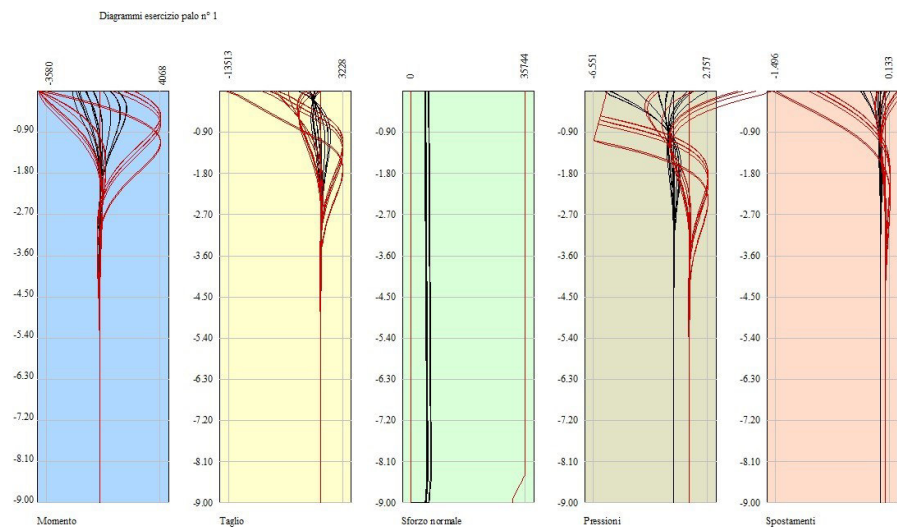


Fig. 14 - Sollecitazioni palo (Palo n° 1) (Involuppo)

## Verifiche strutturali

### Verifiche a flessione

#### Elementi calcolati a trave

##### Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espresso in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kgm]
N	sforzo normale agente espressa in [kg]
Mu	momento ultimi espresso in [kgm]
Nu	sforzo normale ultimo espressa in [kg]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

#### Elementi calcolati a piastra

##### Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi, Afs	area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn	momento positivo e negativo agente espressa in [kgm]
Mu	momento ultimi espresso in [kgm]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

## Paramento

### Combinazione n° 1 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	2	60	9455	246116	4083.701
3	-0.19	100	25	8.04	8.04	9	121	13140	171012	1418.766
4	-0.29	100	25	8.04	8.04	21	181	14308	124150	686.655
5	-0.39	100	25	8.04	8.04	37	241	13038	84848	351.960
6	-0.48	100	25	8.04	8.04	58	301	11312	58890	195.429
7	-0.58	100	25	8.04	8.04	83	362	10159	44071	121.876
8	-0.68	100	25	8.04	8.04	113	422	9434	35081	83.154
9	-0.77	100	25	8.04	8.04	148	482	8917	29015	60.178
10	-0.87	100	25	8.04	8.04	188	542	8542	24704	45.545
11	-0.96	100	25	8.04	8.04	232	603	8252	21478	35.638
12	-1.06	100	25	8.04	8.04	280	663	8028	18995	28.652
13	-1.16	100	25	8.04	8.04	334	723	7851	17020	23.534
14	-1.25	100	25	8.04	8.04	392	783	7706	15409	19.667
15	-1.34	100	25	8.04	8.04	455	844	7585	14067	16.672

Combinazione n° 2 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	5	60	13474	161729	2683.509
3	-0.19	100	25	8.04	8.04	20	121	12368	74227	615.808
4	-0.29	100	25	8.04	8.04	45	181	9771	39093	216.220
5	-0.39	100	25	8.04	8.04	80	241	8656	25973	107.739
6	-0.48	100	25	8.04	8.04	126	301	8060	19349	64.210
7	-0.58	100	25	8.04	8.04	181	362	7707	15417	42.635
8	-0.68	100	25	8.04	8.04	246	422	7473	12813	30.372
9	-0.77	100	25	8.04	8.04	321	482	7306	10962	22.736
10	-0.87	100	25	8.04	8.04	407	542	7182	9578	17.658
11	-0.96	100	25	8.04	8.04	502	603	7085	8504	14.111
12	-1.06	100	25	8.04	8.04	608	663	7008	7647	11.534
13	-1.16	100	25	8.04	8.04	723	723	6945	6945	9.603
14	-1.25	100	25	8.04	8.04	849	783	6893	6360	8.117
15	-1.34	100	25	8.04	8.04	985	844	6848	5864	6.950

Combinazione n° 3 - STR (A1-M1-R3) H + V

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	0	64	0	0	100000.000
3	-0.19	100	25	8.04	8.04	2	128	3751	299348	2331.305
4	-0.29	100	25	8.04	8.04	4	193	5695	294602	1529.566
5	-0.39	100	25	8.04	8.04	7	257	7293	275340	1072.165
6	-0.48	100	25	8.04	8.04	11	321	8722	256528	799.129
7	-0.58	100	25	8.04	8.04	16	385	9958	237845	617.442
8	-0.68	100	25	8.04	8.04	23	449	11003	219643	488.734
9	-0.77	100	25	8.04	8.04	30	514	11872	202324	393.922
10	-0.87	100	25	8.04	8.04	39	578	12572	185937	321.792
11	-0.96	100	25	8.04	8.04	49	642	13144	170897	266.188
12	-1.06	100	25	8.04	8.04	61	706	13627	157431	222.920
13	-1.16	100	25	8.04	8.04	74	770	14013	145103	188.342
14	-1.25	100	25	8.04	8.04	89	835	14353	134210	160.803
15	-1.34	100	25	8.04	8.04	106	899	14270	121213	134.857

Combinazione n° 4 - STR (A1-M1-R3) H - V

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	0	56	0	0	100000.000
3	-0.19	100	25	8.04	8.04	2	113	4264	299348	2656.903
4	-0.29	100	25	8.04	8.04	4	169	6308	287370	1700.397
5	-0.39	100	25	8.04	8.04	7	225	8007	266508	1182.715
6	-0.48	100	25	8.04	8.04	11	282	9473	245863	872.876
7	-0.58	100	25	8.04	8.04	16	338	10695	225615	667.494
8	-0.68	100	25	8.04	8.04	22	394	11685	206229	522.976
9	-0.77	100	25	8.04	8.04	30	451	12477	188157	417.503
10	-0.87	100	25	8.04	8.04	39	507	13113	171747	338.747
11	-0.96	100	25	8.04	8.04	49	563	13636	157141	278.945
12	-1.06	100	25	8.04	8.04	60	620	14049	143948	232.296
13	-1.16	100	25	8.04	8.04	74	676	14408	132430	195.900
14	-1.25	100	25	8.04	8.04	88	732	14230	118183	161.377
15	-1.34	100	25	8.04	8.04	104	789	13854	104597	132.623

Combinazione n° 5 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	2	78	7911	267700	3416.795
3	-0.19	100	25	8.04	8.04	9	157	11908	201475	1285.767
4	-0.29	100	25	8.04	8.04	21	235	13713	154682	658.096
5	-0.39	100	25	8.04	8.04	37	313	14262	120657	385.002
6	-0.48	100	25	8.04	8.04	58	392	13255	89709	229.001
7	-0.58	100	25	8.04	8.04	83	470	11914	67192	142.936
8	-0.68	100	25	8.04	8.04	113	548	10787	52146	95.082
9	-0.77	100	25	8.04	8.04	148	627	10031	42429	67.693
10	-0.87	100	25	8.04	8.04	188	705	9483	35654	50.563
11	-0.96	100	25	8.04	8.04	232	783	9056	30643	39.112
12	-1.06	100	25	8.04	8.04	280	862	8734	26864	31.171
13	-1.16	100	25	8.04	8.04	334	940	8466	23858	25.377
14	-1.25	100	25	8.04	8.04	392	1019	8248	21441	21.051
15	-1.34	100	25	8.04	8.04	455	1097	8070	19454	17.736

Combinazione n° 6 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
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n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	2	60	9455	246116	4083.701
3	-0.19	100	25	8.04	8.04	9	121	13140	171012	1418.766
4	-0.29	100	25	8.04	8.04	21	181	14308	124150	686.655
5	-0.39	100	25	8.04	8.04	37	241	13038	84848	351.960
6	-0.48	100	25	8.04	8.04	58	301	11312	58890	195.429
7	-0.58	100	25	8.04	8.04	83	362	10159	44071	121.876
8	-0.68	100	25	8.04	8.04	113	422	9434	35081	83.154
9	-0.77	100	25	8.04	8.04	148	482	8917	29015	60.178
10	-0.87	100	25	8.04	8.04	188	542	8542	24704	45.545
11	-0.96	100	25	8.04	8.04	232	603	8252	21478	35.638
12	-1.06	100	25	8.04	8.04	280	663	8028	18995	28.652
13	-1.16	100	25	8.04	8.04	334	723	7851	17020	23.534
14	-1.25	100	25	8.04	8.04	392	783	7706	15409	19.667
15	-1.34	100	25	8.04	8.04	455	844	7585	14067	16.672

Combinazione n° 7 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	2	78	7911	267700	3416.795
3	-0.19	100	25	8.04	8.04	9	157	11908	201475	1285.767
4	-0.29	100	25	8.04	8.04	21	235	13713	154682	658.096
5	-0.39	100	25	8.04	8.04	37	313	14262	120657	385.002
6	-0.48	100	25	8.04	8.04	58	392	13255	89709	229.001
7	-0.58	100	25	8.04	8.04	83	470	11914	67192	142.936
8	-0.68	100	25	8.04	8.04	113	548	10787	52146	95.082
9	-0.77	100	25	8.04	8.04	148	627	10031	42429	67.693
10	-0.87	100	25	8.04	8.04	188	705	9483	35654	50.563
11	-0.96	100	25	8.04	8.04	232	783	9056	30643	39.112
12	-1.06	100	25	8.04	8.04	280	862	8734	26864	31.171
13	-1.16	100	25	8.04	8.04	334	940	8466	23858	25.377
14	-1.25	100	25	8.04	8.04	392	1019	8248	21441	21.051
15	-1.34	100	25	8.04	8.04	455	1097	8070	19454	17.736

Combinazione n° 8 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	5	78	12310	192075	2451.553
3	-0.19	100	25	8.04	8.04	20	157	13996	109192	696.835
4	-0.29	100	25	8.04	8.04	45	235	11305	58799	250.160
5	-0.39	100	25	8.04	8.04	80	313	9653	37656	120.157
6	-0.48	100	25	8.04	8.04	126	392	8780	27399	69.941
7	-0.58	100	25	8.04	8.04	181	470	8249	21453	45.637
8	-0.68	100	25	8.04	8.04	246	548	7905	17621	32.129
9	-0.77	100	25	8.04	8.04	321	627	7665	14950	23.851
10	-0.87	100	25	8.04	8.04	407	705	7488	12982	18.411
11	-0.96	100	25	8.04	8.04	502	783	7352	11472	14.642
12	-1.06	100	25	8.04	8.04	608	862	7245	10276	11.923
13	-1.16	100	25	8.04	8.04	723	940	7157	9304	9.896
14	-1.25	100	25	8.04	8.04	849	1019	7085	8498	8.344
15	-1.34	100	25	8.04	8.04	985	1097	7024	7819	7.128

Combinazione n° 9 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	5	60	13474	161729	2683.509
3	-0.19	100	25	8.04	8.04	20	121	12368	74227	615.808
4	-0.29	100	25	8.04	8.04	45	181	9771	39093	216.220
5	-0.39	100	25	8.04	8.04	80	241	8656	25973	107.739
6	-0.48	100	25	8.04	8.04	126	301	8060	19349	64.210
7	-0.58	100	25	8.04	8.04	181	362	7707	15417	42.635
8	-0.68	100	25	8.04	8.04	246	422	7473	12813	30.372
9	-0.77	100	25	8.04	8.04	321	482	7306	10962	22.736
10	-0.87	100	25	8.04	8.04	407	542	7182	9578	17.658
11	-0.96	100	25	8.04	8.04	502	603	7085	8504	14.111
12	-1.06	100	25	8.04	8.04	608	663	7008	7647	11.534
13	-1.16	100	25	8.04	8.04	723	723	6945	6945	9.603
14	-1.25	100	25	8.04	8.04	849	783	6893	6360	8.117
15	-1.34	100	25	8.04	8.04	985	844	6848	5864	6.950

Combinazione n° 10 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	0.00	100	25	8.04	8.04	0	0	0	0	100000.000
2	-0.10	100	25	8.04	8.04	5	78	12310	192075	2451.553
3	-0.19	100	25	8.04	8.04	20	157	13996	109192	696.835
4	-0.29	100	25	8.04	8.04	45	235	11305	58799	250.160

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
5	-0.39	100	25	8.04	8.04	80	313	9653	37656	120.157
6	-0.48	100	25	8.04	8.04	126	392	8780	27399	69.941
7	-0.58	100	25	8.04	8.04	181	470	8249	21453	45.637
8	-0.68	100	25	8.04	8.04	246	548	7905	17621	32.129
9	-0.77	100	25	8.04	8.04	321	627	7665	14950	23.851
10	-0.87	100	25	8.04	8.04	407	705	7488	12982	18.411
11	-0.96	100	25	8.04	8.04	502	783	7352	11472	14.642
12	-1.06	100	25	8.04	8.04	608	862	7245	10276	11.923
13	-1.16	100	25	8.04	8.04	723	940	7157	9304	9.896
14	-1.25	100	25	8.04	8.04	849	1019	7085	8498	8.344
15	-1.34	100	25	8.04	8.04	985	1097	7024	7819	7.128

## Fondazione

### Combinazione n° 1 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	2	-11	6479	100.000
1-2-P	8.04	8.04	5	-20	6479	100.000
1-3-P	8.04	8.04	9	-23	6479	100.000
1-4-P	8.04	8.04	16	-22	6479	100.000
1-5-P	8.04	8.04	29	-18	6479	100.000
1-6-P	8.04	8.04	50	-15	6479	100.000
1-7-P	8.04	8.04	78	-13	6479	83.261
1-8-P	8.04	8.04	100	-11	6479	64.735
1-9-P	8.04	8.04	95	-17	6479	68.483
1-10-P	8.04	8.04	35	-84	-6479	61.727
1-11-P	8.04	8.04	28	-476	-6479	11.008
1-12-P	8.04	8.04	39	-69	-6479	74.850
1-13-P	8.04	8.04	118	-1	6479	54.961
1-14-P	8.04	8.04	155	0	6479	41.863
1-15-P	8.04	8.04	161	0	6479	40.269
1-16-P	8.04	8.04	156	0	6479	41.424
1-17-P	8.04	8.04	122	-1	6479	53.166
1-18-P	8.04	8.04	42	-64	-6479	80.451
1-19-P	8.04	8.04	30	-463	-6479	10.668
1-20-P	8.04	8.04	42	-64	-6479	80.459
1-21-P	8.04	8.04	122	-1	6479	53.132
1-22-P	8.04	8.04	157	0	6479	41.342
1-23-P	8.04	8.04	162	0	6479	40.062
1-24-P	8.04	8.04	157	0	6479	41.347
1-25-P	8.04	8.04	122	-1	6479	53.147
1-26-P	8.04	8.04	42	-64	-6479	80.431
1-27-P	8.04	8.04	30	-463	-6479	10.668
1-28-P	8.04	8.04	42	-64	-6479	80.429
1-29-P	8.04	8.04	122	-1	6479	53.148
1-30-P	8.04	8.04	157	0	6479	41.349
1-31-P	8.04	8.04	162	0	6479	40.066
1-32-P	8.04	8.04	157	0	6479	41.349
1-33-P	8.04	8.04	122	-1	6479	53.148
1-34-P	8.04	8.04	42	-64	-6479	80.429
1-35-P	8.04	8.04	30	-463	-6479	10.668
1-36-P	8.04	8.04	42	-64	-6479	80.429
1-37-P	8.04	8.04	122	-1	6479	53.148
1-38-P	8.04	8.04	157	0	6479	41.349
1-39-P	8.04	8.04	162	0	6479	40.066
1-40-P	8.04	8.04	157	0	6479	41.349
1-41-P	8.04	8.04	122	-1	6479	53.148
1-42-P	8.04	8.04	42	-64	-6479	80.429
1-43-P	8.04	8.04	30	-463	-6479	10.668
1-44-P	8.04	8.04	42	-64	-6479	80.429
1-45-P	8.04	8.04	122	-1	6479	53.148
1-46-P	8.04	8.04	157	0	6479	41.349
1-47-P	8.04	8.04	162	0	6479	40.066
1-48-P	8.04	8.04	157	0	6479	41.349
1-49-P	8.04	8.04	122	-1	6479	53.148
1-50-P	8.04	8.04	42	-64	-6479	80.429
1-51-P	8.04	8.04	30	-463	-6479	10.668
1-52-P	8.04	8.04	42	-64	-6479	80.429
1-53-P	8.04	8.04	122	-1	6479	53.148
1-54-P	8.04	8.04	157	0	6479	41.349
1-55-P	8.04	8.04	162	0	6479	40.066
1-56-P	8.04	8.04	157	0	6479	41.349
1-57-P	8.04	8.04	122	-1	6479	53.148
1-58-P	8.04	8.04	42	-64	-6479	80.429
1-59-P	8.04	8.04	30	-463	-6479	10.668
1-60-P	8.04	8.04	42	-64	-6479	80.429
1-61-P	8.04	8.04	122	-1	6479	53.148
1-62-P	8.04	8.04	157	0	6479	41.349
1-63-P	8.04	8.04	162	0	6479	40.066
1-64-P	8.04	8.04	157	0	6479	41.349
1-65-P	8.04	8.04	122	-1	6479	53.148
1-66-P	8.04	8.04	42	-64	-6479	80.429
1-67-P	8.04	8.04	30	-463	-6479	10.668
1-68-P	8.04	8.04	42	-64	-6479	80.429
1-69-P	8.04	8.04	122	-1	6479	53.148
1-70-P	8.04	8.04	157	0	6479	41.349
1-71-P	8.04	8.04	162	0	6479	40.066
1-72-P	8.04	8.04	157	0	6479	41.349

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-73-P	8.04	8.04	122	-1	6479	53.148
1-74-P	8.04	8.04	42	-64	-6479	80.429
1-75-P	8.04	8.04	30	-463	-6479	10.668
1-76-P	8.04	8.04	42	-64	-6479	80.431
1-77-P	8.04	8.04	122	-1	6479	53.147
1-78-P	8.04	8.04	157	0	6479	41.347
1-79-P	8.04	8.04	162	0	6479	40.062
1-80-P	8.04	8.04	157	0	6479	41.342
1-81-P	8.04	8.04	122	-1	6479	53.132
1-82-P	8.04	8.04	42	-64	-6479	80.459
1-83-P	8.04	8.04	30	-463	-6479	10.668
1-84-P	8.04	8.04	42	-64	-6479	80.451
1-85-P	8.04	8.04	122	-1	6479	53.166
1-86-P	8.04	8.04	156	0	6479	41.424
1-87-P	8.04	8.04	161	0	6479	40.269
1-88-P	8.04	8.04	155	0	6479	41.863
1-89-P	8.04	8.04	118	-1	6479	54.961
1-90-P	8.04	8.04	39	-69	-6479	74.850
1-91-P	8.04	8.04	28	-476	-6479	11.008
1-92-P	8.04	8.04	35	-84	-6479	61.727
1-93-P	8.04	8.04	95	-17	6479	68.483
1-94-P	8.04	8.04	100	-11	6479	64.735
1-95-P	8.04	8.04	78	-13	6479	83.261
1-96-P	8.04	8.04	50	-15	6479	100.000
1-97-P	8.04	8.04	29	-18	6479	100.000
1-98-P	8.04	8.04	16	-22	6479	100.000
1-99-P	8.04	8.04	9	-23	6479	100.000
1-100-P	8.04	8.04	5	-20	6479	100.000
1-101-P	8.04	8.04	2	-11	6479	100.000
3-1-S	8.04	8.04	6	0	6527	100.000
3-2-S	8.04	8.04	4	-20	6527	100.000
3-3-S	8.04	8.04	1	-73	-6527	89.308
3-4-S	8.04	8.04	0	-181	-6527	36.098
3-5-S	8.04	8.04	0	-349	-6527	18.702
4-1-S	8.04	8.04	29	-17	6527	100.000
4-2-S	8.04	8.04	40	-21	6527	100.000
4-3-S	8.04	8.04	48	-33	6527	100.000
4-4-S	8.04	8.04	37	-65	-6527	99.678
4-5-S	8.04	8.04	19	-157	-6527	41.640
5-1-S	8.04	8.04	76	-65	6527	34.279
5-2-S	8.04	8.04	13	-343	-6527	19.031
5-3-S	8.04	8.04	33	-172	-6527	38.035
5-4-S	8.04	8.04	308	-1	6527	21.159
5-5-S	8.04	8.04	754	0	6527	8.662
6-1-S	6.03	6.03	19	-22	-4970	44.947
6-2-S	6.03	6.03	54	-10	4970	91.783
6-3-S	6.03	6.03	130	-6	4970	38.248
6-4-S	6.03	6.03	244	0	4970	20.357
6-5-S	6.03	6.03	321	0	4970	15.482
7-1-S	8.04	8.04	60	-29	6527	86.566
7-2-S	8.04	8.04	21	-261	-6527	20.008
7-3-S	8.04	8.04	65	-121	-6527	32.399
7-4-S	8.04	8.04	325	0	6527	20.107
7-5-S	8.04	8.04	678	0	6527	9.628
8-1-S	8.04	8.04	15	-47	-6527	55.328
8-2-S	8.04	8.04	43	-47	-6527	55.257
8-3-S	8.04	8.04	105	-19	6527	49.572
8-4-S	8.04	8.04	272	0	6527	24.000
8-5-S	8.04	8.04	438	0	6527	14.914
9-1-S	6.03	6.03	30	-39	-4970	76.720
9-2-S	6.03	6.03	34	-132	-4970	22.622
9-3-S	6.03	6.03	90	-60	-4970	33.343
9-4-S	6.03	6.03	295	0	4970	16.838
9-5-S	6.03	6.03	541	0	4970	9.182
10-1-S	8.04	8.04	44	-52	-6527	75.596
10-2-S	8.04	8.04	30	-161	-6527	24.270
10-3-S	8.04	8.04	82	-74	-6527	53.197
10-4-S	8.04	8.04	303	0	6527	21.509
10-5-S	8.04	8.04	580	0	6527	11.247
11-1-S	8.04	8.04	17	-52	-6527	50.398
11-2-S	8.04	8.04	47	-26	-6527	99.106
11-3-S	8.04	8.04	113	-11	6527	57.585
11-4-S	8.04	8.04	265	0	6527	24.663
11-5-S	8.04	8.04	406	0	6527	16.066
12-1-S	8.04	8.04	59	-39	6527	88.087
12-2-S	8.04	8.04	18	-267	-6527	19.568
12-3-S	8.04	8.04	59	-122	-6527	32.034
12-4-S	8.04	8.04	330	0	6527	19.751
12-5-S	8.04	8.04	706	0	6527	9.247
13-1-S	6.03	6.03	20	-14	-4970	69.482
13-2-S	6.03	6.03	59	-7	4970	84.451
13-3-S	6.03	6.03	136	-4	4970	36.424
13-4-S	6.03	6.03	241	0	4970	20.585
13-5-S	6.03	6.03	298	0	4970	16.653
14-1-S	8.04	8.04	57	-62	6527	69.145
14-2-S	8.04	8.04	8	-302	-6527	21.644
14-3-S	8.04	8.04	36	-136	-6527	38.425
14-4-S	8.04	8.04	350	0	6527	18.637
14-5-S	8.04	8.04	801	0	6527	8.153
15-1-S	8.04	8.04	23	0	6527	100.000
15-2-S	8.04	8.04	68	0	6527	95.572
15-3-S	8.04	8.04	148	0	6527	44.038
15-4-S	8.04	8.04	229	0	6527	28.514

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
15-5-S	8.04	8.04	240	0	6527	27.229
16-1-S	6.03	6.03	69	-75	4970	14.499
16-2-S	6.03	6.03	1	-330	-4970	15.074
16-3-S	6.03	6.03	28	-152	-4970	32.727
16-4-S	6.03	6.03	358	0	4970	13.887
16-5-S	6.03	6.03	839	0	4970	5.922
17-1-S	8.04	8.04	23	0	6527	100.000
17-2-S	8.04	8.04	68	0	6527	95.572
17-3-S	8.04	8.04	148	0	6527	44.038
17-4-S	8.04	8.04	229	0	6527	28.514
17-5-S	8.04	8.04	240	0	6527	27.229
18-1-S	8.04	8.04	57	-62	6527	69.145
18-2-S	8.04	8.04	8	-302	-6527	21.644
18-3-S	8.04	8.04	36	-136	-6527	38.425
18-4-S	8.04	8.04	350	0	6527	18.637
18-5-S	8.04	8.04	801	0	6527	8.153
19-1-S	6.03	6.03	20	-14	-4970	69.482
19-2-S	6.03	6.03	59	-7	4970	84.451
19-3-S	6.03	6.03	136	-4	4970	36.424
19-4-S	6.03	6.03	241	0	4970	20.585
19-5-S	6.03	6.03	298	0	4970	16.653
20-1-S	8.04	8.04	59	-39	6527	88.087
20-2-S	8.04	8.04	18	-267	-6527	19.568
20-3-S	8.04	8.04	59	-122	-6527	32.034
20-4-S	8.04	8.04	330	0	6527	19.751
20-5-S	8.04	8.04	706	0	6527	9.247
21-1-S	8.04	8.04	17	-52	-6527	50.398
21-2-S	8.04	8.04	47	-26	-6527	99.106
21-3-S	8.04	8.04	113	-11	6527	57.585
21-4-S	8.04	8.04	265	0	6527	24.663
21-5-S	8.04	8.04	406	0	6527	16.066
22-1-S	8.04	8.04	44	-52	-6527	75.596
22-2-S	8.04	8.04	30	-161	-6527	24.270
22-3-S	8.04	8.04	82	-74	-6527	53.197
22-4-S	8.04	8.04	303	0	6527	21.509
22-5-S	8.04	8.04	580	0	6527	11.247
23-1-S	6.03	6.03	30	-39	-4970	76.720
23-2-S	6.03	6.03	34	-132	-4970	22.622
23-3-S	6.03	6.03	90	-60	-4970	33.343
23-4-S	6.03	6.03	295	0	4970	16.838
23-5-S	6.03	6.03	541	0	4970	9.182
24-1-S	8.04	8.04	15	-47	-6527	55.328
24-2-S	8.04	8.04	43	-47	-6527	55.257
24-3-S	8.04	8.04	105	-19	6527	49.572
24-4-S	8.04	8.04	272	0	6527	24.000
24-5-S	8.04	8.04	438	0	6527	14.914
25-1-S	8.04	8.04	60	-29	6527	86.566
25-2-S	8.04	8.04	21	-261	-6527	20.008
25-3-S	8.04	8.04	65	-121	-6527	32.399
25-4-S	8.04	8.04	325	0	6527	20.107
25-5-S	8.04	8.04	678	0	6527	9.628
26-1-S	6.03	6.03	19	-22	-4970	44.947
26-2-S	6.03	6.03	54	-10	4970	91.783
26-3-S	6.03	6.03	130	-6	4970	38.248
26-4-S	6.03	6.03	244	0	4970	20.357
26-5-S	6.03	6.03	321	0	4970	15.482
27-1-S	8.04	8.04	76	-65	6527	34.279
27-2-S	8.04	8.04	13	-343	-6527	19.031
27-3-S	8.04	8.04	33	-172	-6527	38.035
27-4-S	8.04	8.04	308	-1	6527	21.159
27-5-S	8.04	8.04	754	0	6527	8.662
28-1-S	8.04	8.04	29	-17	6527	100.000
28-2-S	8.04	8.04	40	-21	6527	100.000
28-3-S	8.04	8.04	48	-33	6527	100.000
28-4-S	8.04	8.04	37	-65	-6527	99.678
28-5-S	8.04	8.04	19	-157	-6527	41.640
29-1-S	8.04	8.04	6	0	6527	100.000
29-2-S	8.04	8.04	4	-20	6527	100.000
29-3-S	8.04	8.04	1	-73	-6527	89.308
29-4-S	8.04	8.04	0	-181	-6527	36.098
29-5-S	8.04	8.04	0	-349	-6527	18.702

Combinazione n° 2 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	5	-13	6479	100.000
1-2-P	8.04	8.04	12	-19	6479	100.000
1-3-P	8.04	8.04	26	-20	6479	100.000
1-4-P	8.04	8.04	48	-16	6479	100.000
1-5-P	8.04	8.04	82	-13	6479	63.429
1-6-P	8.04	8.04	130	-12	6479	50.013
1-7-P	8.04	8.04	177	-7	6479	36.526
1-8-P	8.04	8.04	219	-17	6479	29.593
1-9-P	8.04	8.04	205	-42	6479	31.645
1-10-P	8.04	8.04	170	-192	-6479	22.454
1-11-P	8.04	8.04	147	-521	-6479	6.515
1-12-P	8.04	8.04	167	-147	-6479	27.228
1-13-P	8.04	8.04	255	-3	6479	25.398
1-14-P	8.04	8.04	346	0	6479	18.726
1-15-P	8.04	8.04	369	0	6479	17.534
1-16-P	8.04	8.04	351	0	6479	18.475



Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-17-P	8.04	8.04	266	-3	6479	24.349
1-18-P	8.04	8.04	179	-138	-6479	29.021
1-19-P	8.04	8.04	158	-494	-6479	6.875
1-20-P	8.04	8.04	179	-138	-6479	29.045
1-21-P	8.04	8.04	266	-3	6479	24.311
1-22-P	8.04	8.04	352	0	6479	18.410
1-23-P	8.04	8.04	372	0	6479	17.401
1-24-P	8.04	8.04	352	0	6479	18.412
1-25-P	8.04	8.04	266	-3	6479	24.317
1-26-P	8.04	8.04	179	-138	-6479	29.043
1-27-P	8.04	8.04	158	-494	-6479	6.875
1-28-P	8.04	8.04	179	-138	-6479	29.042
1-29-P	8.04	8.04	266	-3	6479	24.318
1-30-P	8.04	8.04	352	0	6479	18.413
1-31-P	8.04	8.04	372	0	6479	17.403
1-32-P	8.04	8.04	352	0	6479	18.413
1-33-P	8.04	8.04	266	-3	6479	24.318
1-34-P	8.04	8.04	179	-138	-6479	29.042
1-35-P	8.04	8.04	158	-494	-6479	6.875
1-36-P	8.04	8.04	179	-138	-6479	29.042
1-37-P	8.04	8.04	266	-3	6479	24.318
1-38-P	8.04	8.04	352	0	6479	18.413
1-39-P	8.04	8.04	372	0	6479	17.403
1-40-P	8.04	8.04	352	0	6479	18.413
1-41-P	8.04	8.04	266	-3	6479	24.318
1-42-P	8.04	8.04	179	-138	-6479	29.042
1-43-P	8.04	8.04	158	-494	-6479	6.875
1-44-P	8.04	8.04	179	-138	-6479	29.042
1-45-P	8.04	8.04	266	-3	6479	24.318
1-46-P	8.04	8.04	352	0	6479	18.413
1-47-P	8.04	8.04	372	0	6479	17.403
1-48-P	8.04	8.04	352	0	6479	18.413
1-49-P	8.04	8.04	266	-3	6479	24.318
1-50-P	8.04	8.04	179	-138	-6479	29.042
1-51-P	8.04	8.04	158	-494	-6479	6.875
1-52-P	8.04	8.04	179	-138	-6479	29.042
1-53-P	8.04	8.04	266	-3	6479	24.318
1-54-P	8.04	8.04	352	0	6479	18.413
1-55-P	8.04	8.04	372	0	6479	17.403
1-56-P	8.04	8.04	352	0	6479	18.413
1-57-P	8.04	8.04	266	-3	6479	24.318
1-58-P	8.04	8.04	179	-138	-6479	29.042
1-59-P	8.04	8.04	158	-494	-6479	6.875
1-60-P	8.04	8.04	179	-138	-6479	29.042
1-61-P	8.04	8.04	266	-3	6479	24.318
1-62-P	8.04	8.04	352	0	6479	18.413
1-63-P	8.04	8.04	372	0	6479	17.403
1-64-P	8.04	8.04	352	0	6479	18.413
1-65-P	8.04	8.04	266	-3	6479	24.318
1-66-P	8.04	8.04	179	-138	-6479	29.042
1-67-P	8.04	8.04	158	-494	-6479	6.875
1-68-P	8.04	8.04	179	-138	-6479	29.042
1-69-P	8.04	8.04	266	-3	6479	24.318
1-70-P	8.04	8.04	352	0	6479	18.413
1-71-P	8.04	8.04	372	0	6479	17.403
1-72-P	8.04	8.04	352	0	6479	18.413
1-73-P	8.04	8.04	266	-3	6479	24.318
1-74-P	8.04	8.04	179	-138	-6479	29.042
1-75-P	8.04	8.04	158	-494	-6479	6.875
1-76-P	8.04	8.04	179	-138	-6479	29.043
1-77-P	8.04	8.04	266	-3	6479	24.317
1-78-P	8.04	8.04	352	0	6479	18.412
1-79-P	8.04	8.04	372	0	6479	17.401
1-80-P	8.04	8.04	352	0	6479	18.410
1-81-P	8.04	8.04	266	-3	6479	24.311
1-82-P	8.04	8.04	179	-138	-6479	29.045
1-83-P	8.04	8.04	158	-494	-6479	6.875
1-84-P	8.04	8.04	179	-138	-6479	29.021
1-85-P	8.04	8.04	266	-3	6479	24.349
1-86-P	8.04	8.04	351	0	6479	18.475
1-87-P	8.04	8.04	369	0	6479	17.534
1-88-P	8.04	8.04	346	0	6479	18.726
1-89-P	8.04	8.04	255	-3	6479	25.398
1-90-P	8.04	8.04	167	-147	-6479	27.228
1-91-P	8.04	8.04	147	-521	-6479	6.515
1-92-P	8.04	8.04	170	-192	-6479	22.454
1-93-P	8.04	8.04	205	-42	6479	31.645
1-94-P	8.04	8.04	219	-17	6479	29.593
1-95-P	8.04	8.04	177	-7	6479	36.526
1-96-P	8.04	8.04	130	-12	6479	50.013
1-97-P	8.04	8.04	82	-13	6479	63.429
1-98-P	8.04	8.04	48	-16	6479	100.000
1-99-P	8.04	8.04	26	-20	6479	100.000
1-100-P	8.04	8.04	12	-19	6479	100.000
1-101-P	8.04	8.04	5	-13	6479	100.000
3-1-S	8.04	8.04	15	-1	6527	100.000
3-2-S	8.04	8.04	18	-14	6527	100.000
3-3-S	8.04	8.04	12	-50	6527	100.000
3-4-S	8.04	8.04	1	-141	-6527	46.418
3-5-S	8.04	8.04	0	-314	-6527	20.768
4-1-S	8.04	8.04	87	-43	6527	75.014
4-2-S	8.04	8.04	138	-30	6527	47.342
4-3-S	8.04	8.04	203	-14	6527	32.222

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
4-4-S	8.04	8.04	238	-12	6527	27.468
4-5-S	8.04	8.04	217	-46	6527	24.074
5-1-S	8.04	8.04	67	-173	-6527	37.709
5-2-S	8.04	8.04	210	-151	6527	22.222
5-3-S	8.04	8.04	819	-17	6527	7.972
5-4-S	8.04	8.04	1149	0	6527	5.680
5-5-S	8.04	8.04	1464	0	6527	4.460
6-1-S	6.03	6.03	104	-33	4970	47.996
6-2-S	6.03	6.03	290	-13	4970	17.144
6-3-S	6.03	6.03	575	-1	4970	8.648
6-4-S	6.03	6.03	882	0	4970	5.636
6-5-S	6.03	6.03	1070	0	4970	4.645
7-1-S	8.04	8.04	64	-123	-6527	45.537
7-2-S	8.04	8.04	209	-95	6527	24.944
7-3-S	8.04	8.04	847	-3	6527	7.705
7-4-S	8.04	8.04	1180	0	6527	5.530
7-5-S	8.04	8.04	1455	0	6527	4.487
8-1-S	8.04	8.04	88	-43	6527	59.202
8-2-S	8.04	8.04	304	-35	6527	21.441
8-3-S	8.04	8.04	619	-3	6527	10.537
8-4-S	8.04	8.04	975	0	6527	6.693
8-5-S	8.04	8.04	1200	0	6527	5.441
9-1-S	6.03	6.03	81	-78	-4970	38.138
9-2-S	6.03	6.03	249	-39	4970	15.964
9-3-S	6.03	6.03	717	-4	4970	6.936
9-4-S	6.03	6.03	1063	0	4970	4.675
9-5-S	6.03	6.03	1311	0	4970	3.791
10-1-S	8.04	8.04	77	-90	-6527	58.130
10-2-S	8.04	8.04	258	-68	6527	20.249
10-3-S	8.04	8.04	760	-3	6527	8.586
10-4-S	8.04	8.04	1096	0	6527	5.954
10-5-S	8.04	8.04	1349	0	6527	4.837
11-1-S	8.04	8.04	96	-40	6527	67.965
11-2-S	8.04	8.04	313	-29	6527	20.833
11-3-S	8.04	8.04	597	-5	6527	10.928
11-4-S	8.04	8.04	951	0	6527	6.866
11-5-S	8.04	8.04	1165	0	6527	5.602
12-1-S	8.04	8.04	61	-128	-6527	40.665
12-2-S	8.04	8.04	193	-78	6527	20.272
12-3-S	8.04	8.04	866	-3	6527	7.538
12-4-S	8.04	8.04	1203	0	6527	5.425
12-5-S	8.04	8.04	1485	0	6527	4.395
13-1-S	6.03	6.03	108	-30	4970	46.063
13-2-S	6.03	6.03	291	-9	4970	17.072
13-3-S	6.03	6.03	580	0	4970	8.568
13-4-S	6.03	6.03	875	0	4970	5.678
13-5-S	6.03	6.03	1047	0	4970	4.746
14-1-S	8.04	8.04	51	-142	-6527	45.869
14-2-S	8.04	8.04	222	-120	6527	23.476
14-3-S	8.04	8.04	890	-6	6527	7.336
14-4-S	8.04	8.04	1266	0	6527	5.155
14-5-S	8.04	8.04	1583	0	6527	4.124
15-1-S	8.04	8.04	101	-11	6527	64.815
15-2-S	8.04	8.04	281	0	6527	23.256
15-3-S	8.04	8.04	571	0	6527	11.429
15-4-S	8.04	8.04	837	0	6527	7.798
15-5-S	8.04	8.04	982	0	6527	6.647
16-1-S	6.03	6.03	51	-150	-4970	33.165
16-2-S	6.03	6.03	230	-126	4970	16.450
16-3-S	6.03	6.03	894	-6	4970	5.560
16-4-S	6.03	6.03	1289	0	4970	3.857
16-5-S	6.03	6.03	1617	0	4970	3.074
17-1-S	8.04	8.04	101	-11	6527	64.815
17-2-S	8.04	8.04	281	0	6527	23.256
17-3-S	8.04	8.04	571	0	6527	11.429
17-4-S	8.04	8.04	837	0	6527	7.798
17-5-S	8.04	8.04	982	0	6527	6.647
18-1-S	8.04	8.04	51	-142	-6527	45.869
18-2-S	8.04	8.04	222	-120	6527	23.476
18-3-S	8.04	8.04	890	-6	6527	7.336
18-4-S	8.04	8.04	1266	0	6527	5.155
18-5-S	8.04	8.04	1583	0	6527	4.124
19-1-S	6.03	6.03	108	-30	4970	46.063
19-2-S	6.03	6.03	291	-9	4970	17.072
19-3-S	6.03	6.03	580	0	4970	8.568
19-4-S	6.03	6.03	875	0	4970	5.678
19-5-S	6.03	6.03	1047	0	4970	4.746
20-1-S	8.04	8.04	61	-128	-6527	40.665
20-2-S	8.04	8.04	193	-78	6527	20.272
20-3-S	8.04	8.04	866	-3	6527	7.538
20-4-S	8.04	8.04	1203	0	6527	5.425
20-5-S	8.04	8.04	1485	0	6527	4.395
21-1-S	8.04	8.04	96	-40	6527	67.965
21-2-S	8.04	8.04	313	-29	6527	20.833
21-3-S	8.04	8.04	597	-5	6527	10.928
21-4-S	8.04	8.04	951	0	6527	6.866
21-5-S	8.04	8.04	1165	0	6527	5.602
22-1-S	8.04	8.04	77	-90	-6527	58.130
22-2-S	8.04	8.04	258	-68	6527	20.249
22-3-S	8.04	8.04	760	-3	6527	8.586
22-4-S	8.04	8.04	1096	0	6527	5.954
22-5-S	8.04	8.04	1349	0	6527	4.837
23-1-S	6.03	6.03	81	-78	-4970	38.138

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
23-2-S	6.03	6.03	249	-39	4970	15.964
23-3-S	6.03	6.03	717	-4	4970	6.936
23-4-S	6.03	6.03	1063	0	4970	4.675
23-5-S	6.03	6.03	1311	0	4970	3.791
24-1-S	8.04	8.04	88	-43	6527	59.202
24-2-S	8.04	8.04	304	-35	6527	21.441
24-3-S	8.04	8.04	619	-3	6527	10.537
24-4-S	8.04	8.04	975	0	6527	6.693
24-5-S	8.04	8.04	1200	0	6527	5.441
25-1-S	8.04	8.04	64	-123	-6527	45.537
25-2-S	8.04	8.04	209	-95	6527	24.944
25-3-S	8.04	8.04	847	-3	6527	7.705
25-4-S	8.04	8.04	1180	0	6527	5.530
25-5-S	8.04	8.04	1455	0	6527	4.487
26-1-S	6.03	6.03	104	-33	4970	47.996
26-2-S	6.03	6.03	290	-13	4970	17.144
26-3-S	6.03	6.03	575	-1	4970	8.648
26-4-S	6.03	6.03	882	0	4970	5.636
26-5-S	6.03	6.03	1070	0	4970	4.645
27-1-S	8.04	8.04	67	-173	-6527	37.709
27-2-S	8.04	8.04	210	-151	6527	22.222
27-3-S	8.04	8.04	819	-17	6527	7.972
27-4-S	8.04	8.04	1149	0	6527	5.680
27-5-S	8.04	8.04	1464	0	6527	4.460
28-1-S	8.04	8.04	87	-43	6527	75.014
28-2-S	8.04	8.04	138	-30	6527	47.342
28-3-S	8.04	8.04	203	-14	6527	32.222
28-4-S	8.04	8.04	238	-12	6527	27.468
28-5-S	8.04	8.04	217	-46	6527	24.074
29-1-S	8.04	8.04	15	-1	6527	100.000
29-2-S	8.04	8.04	18	-14	6527	100.000
29-3-S	8.04	8.04	12	-50	6527	100.000
29-4-S	8.04	8.04	1	-141	-6527	46.418
29-5-S	8.04	8.04	0	-314	-6527	20.768

Combinazione n° 3 - STR (A1-M1-R3) H + V

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	1	-9	6479	100.000
1-2-P	8.04	8.04	1	-19	6479	100.000
1-3-P	8.04	8.04	1	-25	6479	100.000
1-4-P	8.04	8.04	1	-27	6479	100.000
1-5-P	8.04	8.04	2	-25	6479	100.000
1-6-P	8.04	8.04	6	-20	6479	100.000
1-7-P	8.04	8.04	15	-14	6479	100.000
1-8-P	8.04	8.04	30	-7	6479	100.000
1-9-P	8.04	8.04	47	-17	6479	100.000
1-10-P	8.04	8.04	43	-114	-6479	51.330
1-11-P	8.04	8.04	20	-542	-6479	10.247
1-12-P	8.04	8.04	44	-112	-6479	52.183
1-13-P	8.04	8.04	53	-15	6479	100.000
1-14-P	8.04	8.04	45	-6	6479	100.000
1-15-P	8.04	8.04	41	-8	6479	100.000
1-16-P	8.04	8.04	44	-6	6479	100.000
1-17-P	8.04	8.04	52	-15	6479	100.000
1-18-P	8.04	8.04	44	-113	-6479	51.909
1-19-P	8.04	8.04	20	-542	-6479	10.247
1-20-P	8.04	8.04	44	-113	-6479	51.894
1-21-P	8.04	8.04	52	-15	6479	100.000
1-22-P	8.04	8.04	44	-6	6479	100.000
1-23-P	8.04	8.04	41	-8	6479	100.000
1-24-P	8.04	8.04	44	-6	6479	100.000
1-25-P	8.04	8.04	52	-15	6479	100.000
1-26-P	8.04	8.04	44	-113	-6479	51.883
1-27-P	8.04	8.04	20	-542	-6479	10.246
1-28-P	8.04	8.04	44	-113	-6479	51.883
1-29-P	8.04	8.04	52	-15	6479	100.000
1-30-P	8.04	8.04	44	-6	6479	100.000
1-31-P	8.04	8.04	41	-8	6479	100.000
1-32-P	8.04	8.04	44	-6	6479	100.000
1-33-P	8.04	8.04	52	-15	6479	100.000
1-34-P	8.04	8.04	44	-113	-6479	51.883
1-35-P	8.04	8.04	20	-542	-6479	10.246
1-36-P	8.04	8.04	44	-113	-6479	51.883
1-37-P	8.04	8.04	52	-15	6479	100.000
1-38-P	8.04	8.04	44	-6	6479	100.000
1-39-P	8.04	8.04	41	-8	6479	100.000
1-40-P	8.04	8.04	44	-6	6479	100.000
1-41-P	8.04	8.04	52	-15	6479	100.000
1-42-P	8.04	8.04	44	-113	-6479	51.883
1-43-P	8.04	8.04	20	-542	-6479	10.246
1-44-P	8.04	8.04	44	-113	-6479	51.883
1-45-P	8.04	8.04	52	-15	6479	100.000
1-46-P	8.04	8.04	44	-6	6479	100.000
1-47-P	8.04	8.04	41	-8	6479	100.000
1-48-P	8.04	8.04	44	-6	6479	100.000
1-49-P	8.04	8.04	52	-15	6479	100.000
1-50-P	8.04	8.04	44	-113	-6479	51.883
1-51-P	8.04	8.04	20	-542	-6479	10.246
1-52-P	8.04	8.04	44	-113	-6479	51.883
1-53-P	8.04	8.04	52	-15	6479	100.000

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-54-P	8.04	8.04	44	-6	6479	100.000
1-55-P	8.04	8.04	41	-8	6479	100.000
1-56-P	8.04	8.04	44	-6	6479	100.000
1-57-P	8.04	8.04	52	-15	6479	100.000
1-58-P	8.04	8.04	44	-113	-6479	51.883
1-59-P	8.04	8.04	20	-542	-6479	10.246
1-60-P	8.04	8.04	44	-113	-6479	51.883
1-61-P	8.04	8.04	52	-15	6479	100.000
1-62-P	8.04	8.04	44	-6	6479	100.000
1-63-P	8.04	8.04	41	-8	6479	100.000
1-64-P	8.04	8.04	44	-6	6479	100.000
1-65-P	8.04	8.04	52	-15	6479	100.000
1-66-P	8.04	8.04	44	-113	-6479	51.883
1-67-P	8.04	8.04	20	-542	-6479	10.246
1-68-P	8.04	8.04	44	-113	-6479	51.883
1-69-P	8.04	8.04	52	-15	6479	100.000
1-70-P	8.04	8.04	44	-6	6479	100.000
1-71-P	8.04	8.04	41	-8	6479	100.000
1-72-P	8.04	8.04	44	-6	6479	100.000
1-73-P	8.04	8.04	52	-15	6479	100.000
1-74-P	8.04	8.04	44	-113	-6479	51.883
1-75-P	8.04	8.04	20	-542	-6479	10.246
1-76-P	8.04	8.04	44	-113	-6479	51.883
1-77-P	8.04	8.04	52	-15	6479	100.000
1-78-P	8.04	8.04	44	-6	6479	100.000
1-79-P	8.04	8.04	41	-8	6479	100.000
1-80-P	8.04	8.04	44	-6	6479	100.000
1-81-P	8.04	8.04	52	-15	6479	100.000
1-82-P	8.04	8.04	44	-113	-6479	51.894
1-83-P	8.04	8.04	20	-542	-6479	10.247
1-84-P	8.04	8.04	44	-113	-6479	51.909
1-85-P	8.04	8.04	52	-15	6479	100.000
1-86-P	8.04	8.04	44	-6	6479	100.000
1-87-P	8.04	8.04	41	-8	6479	100.000
1-88-P	8.04	8.04	45	-6	6479	100.000
1-89-P	8.04	8.04	53	-15	6479	100.000
1-90-P	8.04	8.04	44	-112	-6479	52.183
1-91-P	8.04	8.04	20	-542	-6479	10.247
1-92-P	8.04	8.04	43	-114	-6479	51.330
1-93-P	8.04	8.04	47	-17	6479	100.000
1-94-P	8.04	8.04	30	-7	6479	100.000
1-95-P	8.04	8.04	15	-14	6479	100.000
1-96-P	8.04	8.04	6	-20	6479	100.000
1-97-P	8.04	8.04	2	-25	6479	100.000
1-98-P	8.04	8.04	1	-27	6479	100.000
1-99-P	8.04	8.04	1	-25	6479	100.000
1-100-P	8.04	8.04	1	-19	6479	100.000
1-101-P	8.04	8.04	1	-9	6479	100.000
3-1-S	8.04	8.04	0	-1	6527	100.000
3-2-S	8.04	8.04	0	-26	-6527	100.000
3-3-S	8.04	8.04	0	-84	-6527	77.461
3-4-S	8.04	8.04	0	-185	-6527	35.369
3-5-S	8.04	8.04	0	-331	-6527	19.742
4-1-S	8.04	8.04	1	-10	6527	100.000
4-2-S	8.04	8.04	0	-36	6527	100.000
4-3-S	8.04	8.04	0	-88	-6527	74.273
4-4-S	8.04	8.04	0	-168	-6527	38.913
4-5-S	8.04	8.04	0	-292	-6527	22.317
5-1-S	8.04	8.04	167	-108	6527	27.848
5-2-S	8.04	8.04	12	-578	-6527	11.292
5-3-S	8.04	8.04	0	-753	-6527	8.672
5-4-S	8.04	8.04	2	-219	-6527	29.804
5-5-S	8.04	8.04	377	-12	6527	16.508
6-1-S	6.03	6.03	10	-64	-4970	77.546
6-2-S	6.03	6.03	6	-114	-4970	43.555
6-3-S	6.03	6.03	0	-161	-4970	30.942
6-4-S	6.03	6.03	2	-144	-4970	34.608
6-5-S	6.03	6.03	49	-152	-4970	28.111
7-1-S	8.04	8.04	163	-86	6527	32.512
7-2-S	8.04	8.04	8	-502	-6527	12.996
7-3-S	8.04	8.04	0	-653	-6527	9.994
7-4-S	8.04	8.04	2	-208	-6527	31.327
7-5-S	8.04	8.04	295	-43	6527	17.935
8-1-S	8.04	8.04	8	-96	-6527	67.667
8-2-S	8.04	8.04	8	-196	-6527	33.347
8-3-S	8.04	8.04	0	-255	-6527	25.591
8-4-S	8.04	8.04	2	-159	-6527	41.131
8-5-S	8.04	8.04	123	-114	6527	27.849
9-1-S	6.03	6.03	72	-90	-4970	44.328
9-2-S	6.03	6.03	11	-321	-4970	15.489
9-3-S	6.03	6.03	0	-420	-4970	11.826
9-4-S	6.03	6.03	3	-179	-4970	27.753
9-5-S	6.03	6.03	195	-82	4970	15.759
10-1-S	8.04	8.04	105	-109	-6527	47.743
10-2-S	8.04	8.04	14	-370	-6527	17.638
10-3-S	8.04	8.04	0	-496	-6527	13.152
10-4-S	8.04	8.04	3	-188	-6527	34.697
10-5-S	8.04	8.04	222	-72	6527	19.565
11-1-S	8.04	8.04	10	-110	-6527	59.226
11-2-S	8.04	8.04	14	-168	-6527	38.838
11-3-S	8.04	8.04	0	-211	-6527	30.934
11-4-S	8.04	8.04	3	-154	-6527	42.370
11-5-S	8.04	8.04	102	-124	6527	30.582

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
12-1-S	8.04	8.04	167	-85	6527	31.288
12-2-S	8.04	8.04	11	-520	-6527	12.553
12-3-S	8.04	8.04	0	-691	-6527	9.452
12-4-S	8.04	8.04	2	-214	-6527	30.571
12-5-S	8.04	8.04	316	-34	6527	17.717
13-1-S	6.03	6.03	9	-53	-4970	94.645
13-2-S	6.03	6.03	4	-101	-4970	48.969
13-3-S	6.03	6.03	0	-149	-4970	33.294
13-4-S	6.03	6.03	2	-144	-4970	34.493
13-5-S	6.03	6.03	34	-162	-4970	27.830
14-1-S	8.04	8.04	166	-119	6527	26.157
14-2-S	8.04	8.04	12	-592	-6527	11.035
14-3-S	8.04	8.04	0	-762	-6527	8.564
14-4-S	8.04	8.04	2	-223	-6527	29.295
14-5-S	8.04	8.04	383	-8	6527	17.030
15-1-S	8.04	8.04	12	-33	6527	100.000
15-2-S	8.04	8.04	1	-69	-6527	94.313
15-3-S	8.04	8.04	0	-116	-6527	56.204
15-4-S	8.04	8.04	3	-140	-6527	46.622
15-5-S	8.04	8.04	4	-187	-6527	34.889
16-1-S	6.03	6.03	163	-137	4970	18.908
16-2-S	6.03	6.03	18	-615	-4970	8.084
16-3-S	6.03	6.03	0	-786	-4970	6.322
16-4-S	6.03	6.03	1	-225	-4970	22.053
16-5-S	6.03	6.03	410	0	4970	12.114
17-1-S	8.04	8.04	12	-33	6527	100.000
17-2-S	8.04	8.04	1	-69	-6527	94.313
17-3-S	8.04	8.04	0	-116	-6527	56.204
17-4-S	8.04	8.04	3	-140	-6527	46.622
17-5-S	8.04	8.04	4	-187	-6527	34.889
18-1-S	8.04	8.04	166	-119	6527	26.157
18-2-S	8.04	8.04	12	-592	-6527	11.035
18-3-S	8.04	8.04	0	-762	-6527	8.564
18-4-S	8.04	8.04	2	-223	-6527	29.295
18-5-S	8.04	8.04	383	-8	6527	17.030
19-1-S	6.03	6.03	9	-53	-4970	94.645
19-2-S	6.03	6.03	4	-101	-4970	48.969
19-3-S	6.03	6.03	0	-149	-4970	33.294
19-4-S	6.03	6.03	2	-144	-4970	34.493
19-5-S	6.03	6.03	34	-162	-4970	27.830
20-1-S	8.04	8.04	167	-85	6527	31.288
20-2-S	8.04	8.04	11	-520	-6527	12.553
20-3-S	8.04	8.04	0	-691	-6527	9.452
20-4-S	8.04	8.04	2	-214	-6527	30.571
20-5-S	8.04	8.04	316	-34	6527	17.717
21-1-S	8.04	8.04	10	-110	-6527	59.226
21-2-S	8.04	8.04	14	-168	-6527	38.838
21-3-S	8.04	8.04	0	-211	-6527	30.934
21-4-S	8.04	8.04	3	-154	-6527	42.370
21-5-S	8.04	8.04	102	-124	6527	30.582
22-1-S	8.04	8.04	105	-109	-6527	47.743
22-2-S	8.04	8.04	14	-370	-6527	17.638
22-3-S	8.04	8.04	0	-496	-6527	13.152
22-4-S	8.04	8.04	3	-188	-6527	34.697
22-5-S	8.04	8.04	222	-72	6527	19.565
23-1-S	6.03	6.03	72	-90	-4970	44.328
23-2-S	6.03	6.03	11	-321	-4970	15.489
23-3-S	6.03	6.03	0	-420	-4970	11.826
23-4-S	6.03	6.03	3	-179	-4970	27.753
23-5-S	6.03	6.03	195	-82	4970	15.759
24-1-S	8.04	8.04	8	-96	-6527	67.667
24-2-S	8.04	8.04	8	-196	-6527	33.347
24-3-S	8.04	8.04	0	-255	-6527	25.591
24-4-S	8.04	8.04	2	-159	-6527	41.131
24-5-S	8.04	8.04	123	-114	6527	27.849
25-1-S	8.04	8.04	163	-86	6527	32.512
25-2-S	8.04	8.04	8	-502	-6527	12.996
25-3-S	8.04	8.04	0	-653	-6527	9.994
25-4-S	8.04	8.04	2	-208	-6527	31.327
25-5-S	8.04	8.04	295	-43	6527	17.935
26-1-S	6.03	6.03	10	-64	-4970	77.546
26-2-S	6.03	6.03	6	-114	-4970	43.555
26-3-S	6.03	6.03	0	-161	-4970	30.942
26-4-S	6.03	6.03	2	-144	-4970	34.608
26-5-S	6.03	6.03	49	-152	-4970	28.111
27-1-S	8.04	8.04	167	-108	6527	27.848
27-2-S	8.04	8.04	12	-578	-6527	11.292
27-3-S	8.04	8.04	0	-753	-6527	8.672
27-4-S	8.04	8.04	2	-219	-6527	29.804
27-5-S	8.04	8.04	377	-12	6527	16.508
28-1-S	8.04	8.04	1	-10	6527	100.000
28-2-S	8.04	8.04	0	-36	6527	100.000
28-3-S	8.04	8.04	0	-88	-6527	74.273
28-4-S	8.04	8.04	0	-168	-6527	38.913
28-5-S	8.04	8.04	0	-292	-6527	22.317
29-1-S	8.04	8.04	0	-1	6527	100.000
29-2-S	8.04	8.04	0	-26	-6527	100.000
29-3-S	8.04	8.04	0	-84	-6527	77.461
29-4-S	8.04	8.04	0	-185	-6527	35.369
29-5-S	8.04	8.04	0	-331	-6527	19.742

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	1	-9	6479	100.000
1-2-P	8.04	8.04	1	-19	6479	100.000
1-3-P	8.04	8.04	1	-25	6479	100.000
1-4-P	8.04	8.04	1	-26	6479	100.000
1-5-P	8.04	8.04	3	-24	6479	100.000
1-6-P	8.04	8.04	7	-20	6479	100.000
1-7-P	8.04	8.04	16	-13	6479	100.000
1-8-P	8.04	8.04	29	-7	6479	100.000
1-9-P	8.04	8.04	43	-15	6479	100.000
1-10-P	8.04	8.04	36	-101	-6479	57.905
1-11-P	8.04	8.04	16	-487	-6479	11.406
1-12-P	8.04	8.04	37	-99	-6479	59.078
1-13-P	8.04	8.04	49	-13	6479	100.000
1-14-P	8.04	8.04	45	-5	6479	100.000
1-15-P	8.04	8.04	42	-7	6479	100.000
1-16-P	8.04	8.04	44	-5	6479	100.000
1-17-P	8.04	8.04	49	-13	6479	100.000
1-18-P	8.04	8.04	37	-99	-6479	58.997
1-19-P	8.04	8.04	16	-486	-6479	11.425
1-20-P	8.04	8.04	37	-99	-6479	58.982
1-21-P	8.04	8.04	49	-13	6479	100.000
1-22-P	8.04	8.04	44	-5	6479	100.000
1-23-P	8.04	8.04	42	-7	6479	100.000
1-24-P	8.04	8.04	44	-5	6479	100.000
1-25-P	8.04	8.04	49	-13	6479	100.000
1-26-P	8.04	8.04	37	-99	-6479	58.968
1-27-P	8.04	8.04	16	-486	-6479	11.424
1-28-P	8.04	8.04	37	-99	-6479	58.968
1-29-P	8.04	8.04	49	-13	6479	100.000
1-30-P	8.04	8.04	44	-5	6479	100.000
1-31-P	8.04	8.04	42	-7	6479	100.000
1-32-P	8.04	8.04	44	-5	6479	100.000
1-33-P	8.04	8.04	49	-13	6479	100.000
1-34-P	8.04	8.04	37	-99	-6479	58.968
1-35-P	8.04	8.04	16	-486	-6479	11.424
1-36-P	8.04	8.04	37	-99	-6479	58.968
1-37-P	8.04	8.04	49	-13	6479	100.000
1-38-P	8.04	8.04	44	-5	6479	100.000
1-39-P	8.04	8.04	42	-7	6479	100.000
1-40-P	8.04	8.04	44	-5	6479	100.000
1-41-P	8.04	8.04	49	-13	6479	100.000
1-42-P	8.04	8.04	37	-99	-6479	58.968
1-43-P	8.04	8.04	16	-486	-6479	11.424
1-44-P	8.04	8.04	37	-99	-6479	58.968
1-45-P	8.04	8.04	49	-13	6479	100.000
1-46-P	8.04	8.04	44	-5	6479	100.000
1-47-P	8.04	8.04	42	-7	6479	100.000
1-48-P	8.04	8.04	44	-5	6479	100.000
1-49-P	8.04	8.04	49	-13	6479	100.000
1-50-P	8.04	8.04	37	-99	-6479	58.968
1-51-P	8.04	8.04	16	-486	-6479	11.424
1-52-P	8.04	8.04	37	-99	-6479	58.968
1-53-P	8.04	8.04	49	-13	6479	100.000
1-54-P	8.04	8.04	44	-5	6479	100.000
1-55-P	8.04	8.04	42	-7	6479	100.000
1-56-P	8.04	8.04	44	-5	6479	100.000
1-57-P	8.04	8.04	49	-13	6479	100.000
1-58-P	8.04	8.04	37	-99	-6479	58.968
1-59-P	8.04	8.04	16	-486	-6479	11.424
1-60-P	8.04	8.04	37	-99	-6479	58.968
1-61-P	8.04	8.04	49	-13	6479	100.000
1-62-P	8.04	8.04	44	-5	6479	100.000
1-63-P	8.04	8.04	42	-7	6479	100.000
1-64-P	8.04	8.04	44	-5	6479	100.000
1-65-P	8.04	8.04	49	-13	6479	100.000
1-66-P	8.04	8.04	37	-99	-6479	58.968
1-67-P	8.04	8.04	16	-486	-6479	11.424
1-68-P	8.04	8.04	37	-99	-6479	58.968
1-69-P	8.04	8.04	49	-13	6479	100.000
1-70-P	8.04	8.04	44	-5	6479	100.000
1-71-P	8.04	8.04	42	-7	6479	100.000
1-72-P	8.04	8.04	44	-5	6479	100.000
1-73-P	8.04	8.04	49	-13	6479	100.000
1-74-P	8.04	8.04	37	-99	-6479	58.968
1-75-P	8.04	8.04	16	-486	-6479	11.424
1-76-P	8.04	8.04	37	-99	-6479	58.968
1-77-P	8.04	8.04	49	-13	6479	100.000
1-78-P	8.04	8.04	44	-5	6479	100.000
1-79-P	8.04	8.04	42	-7	6479	100.000
1-80-P	8.04	8.04	44	-5	6479	100.000
1-81-P	8.04	8.04	49	-13	6479	100.000
1-82-P	8.04	8.04	37	-99	-6479	58.982
1-83-P	8.04	8.04	16	-486	-6479	11.425
1-84-P	8.04	8.04	37	-99	-6479	58.997
1-85-P	8.04	8.04	49	-13	6479	100.000
1-86-P	8.04	8.04	44	-5	6479	100.000
1-87-P	8.04	8.04	42	-7	6479	100.000
1-88-P	8.04	8.04	45	-5	6479	100.000
1-89-P	8.04	8.04	49	-13	6479	100.000
1-90-P	8.04	8.04	37	-99	-6479	59.078
1-91-P	8.04	8.04	16	-487	-6479	11.406
1-92-P	8.04	8.04	36	-101	-6479	57.905

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-93-P	8.04	8.04	43	-15	6479	100.000
1-94-P	8.04	8.04	29	-7	6479	100.000
1-95-P	8.04	8.04	16	-13	6479	100.000
1-96-P	8.04	8.04	7	-20	6479	100.000
1-97-P	8.04	8.04	3	-24	6479	100.000
1-98-P	8.04	8.04	1	-26	6479	100.000
1-99-P	8.04	8.04	1	-25	6479	100.000
1-100-P	8.04	8.04	1	-19	6479	100.000
1-101-P	8.04	8.04	1	-9	6479	100.000
3-1-S	8.04	8.04	1	0	6527	100.000
3-2-S	8.04	8.04	0	-25	-6527	100.000
3-3-S	8.04	8.04	0	-83	-6527	78.856
3-4-S	8.04	8.04	0	-183	-6527	35.755
3-5-S	8.04	8.04	0	-329	-6527	19.869
4-1-S	8.04	8.04	1	-8	6527	100.000
4-2-S	8.04	8.04	0	-31	6527	100.000
4-3-S	8.04	8.04	0	-81	-6527	80.398
4-4-S	8.04	8.04	1	-160	-6527	40.820
4-5-S	8.04	8.04	0	-284	-6527	22.974
5-1-S	8.04	8.04	144	-94	6527	30.212
5-2-S	8.04	8.04	9	-508	-6527	12.842
5-3-S	8.04	8.04	0	-652	-6527	10.016
5-4-S	8.04	8.04	2	-184	-6527	35.476
5-5-S	8.04	8.04	336	-12	6527	18.517
6-1-S	6.03	6.03	8	-54	-4970	91.758
6-2-S	6.03	6.03	5	-96	-4970	51.840
6-3-S	6.03	6.03	0	-136	-4970	36.515
6-4-S	6.03	6.03	3	-124	-4970	40.077
6-5-S	6.03	6.03	44	-140	-4970	30.459
7-1-S	8.04	8.04	140	-75	6527	35.445
7-2-S	8.04	8.04	7	-441	-6527	14.802
7-3-S	8.04	8.04	0	-563	-6527	11.591
7-4-S	8.04	8.04	3	-174	-6527	37.507
7-5-S	8.04	8.04	264	-39	6527	20.023
8-1-S	8.04	8.04	6	-83	-6527	78.758
8-2-S	8.04	8.04	6	-167	-6527	39.013
8-3-S	8.04	8.04	0	-218	-6527	29.917
8-4-S	8.04	8.04	3	-135	-6527	48.331
8-5-S	8.04	8.04	110	-105	6527	31.111
9-1-S	6.03	6.03	62	-77	-4970	51.537
9-2-S	6.03	6.03	9	-279	-4970	17.810
9-3-S	6.03	6.03	0	-361	-4970	13.756
9-4-S	6.03	6.03	3	-151	-4970	32.926
9-5-S	6.03	6.03	175	-75	4970	17.598
10-1-S	8.04	8.04	91	-95	-6527	55.235
10-2-S	8.04	8.04	12	-323	-6527	20.233
10-3-S	8.04	8.04	0	-427	-6527	15.281
10-4-S	8.04	8.04	3	-158	-6527	41.279
10-5-S	8.04	8.04	199	-66	6527	21.847
11-1-S	8.04	8.04	8	-95	-6527	68.832
11-2-S	8.04	8.04	12	-143	-6527	45.724
11-3-S	8.04	8.04	0	-180	-6527	36.270
11-4-S	8.04	8.04	3	-132	-6527	49.634
11-5-S	8.04	8.04	91	-114	6527	34.172
12-1-S	8.04	8.04	144	-73	6527	36.251
12-2-S	8.04	8.04	9	-456	-6527	14.301
12-3-S	8.04	8.04	0	-596	-6527	10.959
12-4-S	8.04	8.04	3	-178	-6527	36.669
12-5-S	8.04	8.04	283	-31	6527	19.780
13-1-S	6.03	6.03	7	-43	4970	100.000
13-2-S	6.03	6.03	3	-85	-4970	58.659
13-3-S	6.03	6.03	0	-126	-4970	39.451
13-4-S	6.03	6.03	3	-125	-4970	39.898
13-5-S	6.03	6.03	30	-149	-4970	30.167
14-1-S	8.04	8.04	144	-104	6527	30.293
14-2-S	8.04	8.04	9	-519	-6527	12.572
14-3-S	8.04	8.04	0	-658	-6527	9.918
14-4-S	8.04	8.04	2	-185	-6527	35.352
14-5-S	8.04	8.04	343	-8	6527	19.011
15-1-S	8.04	8.04	9	-26	6527	100.000
15-2-S	8.04	8.04	1	-57	6527	100.000
15-3-S	8.04	8.04	0	-97	-6527	67.230
15-4-S	8.04	8.04	3	-122	-6527	53.625
15-5-S	8.04	8.04	3	-173	-6527	37.820
16-1-S	6.03	6.03	141	-120	4970	18.525
16-2-S	6.03	6.03	14	-540	-4970	9.211
16-3-S	6.03	6.03	0	-679	-4970	7.319
16-4-S	6.03	6.03	1	-186	-4970	26.680
16-5-S	6.03	6.03	368	0	4970	13.524
17-1-S	8.04	8.04	9	-26	6527	100.000
17-2-S	8.04	8.04	1	-57	6527	100.000
17-3-S	8.04	8.04	0	-97	-6527	67.230
17-4-S	8.04	8.04	3	-122	-6527	53.625
17-5-S	8.04	8.04	3	-173	-6527	37.820
18-1-S	8.04	8.04	144	-104	6527	30.293
18-2-S	8.04	8.04	9	-519	-6527	12.572
18-3-S	8.04	8.04	0	-658	-6527	9.918
18-4-S	8.04	8.04	2	-185	-6527	35.352
18-5-S	8.04	8.04	343	-8	6527	19.011
19-1-S	6.03	6.03	7	-43	4970	100.000
19-2-S	6.03	6.03	3	-85	-4970	58.659
19-3-S	6.03	6.03	0	-126	-4970	39.451
19-4-S	6.03	6.03	3	-125	-4970	39.898

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
19-5-S	6.03	6.03	30	-149	-4970	30.167
20-1-S	8.04	8.04	144	-73	6527	36.251
20-2-S	8.04	8.04	9	-456	-6527	14.301
20-3-S	8.04	8.04	0	-596	-6527	10.959
20-4-S	8.04	8.04	3	-178	-6527	36.669
20-5-S	8.04	8.04	283	-31	6527	19.780
21-1-S	8.04	8.04	8	-95	-6527	68.832
21-2-S	8.04	8.04	12	-143	-6527	45.724
21-3-S	8.04	8.04	0	-180	-6527	36.270
21-4-S	8.04	8.04	3	-132	-6527	49.634
21-5-S	8.04	8.04	91	-114	6527	34.172
22-1-S	8.04	8.04	91	-95	-6527	55.235
22-2-S	8.04	8.04	12	-323	-6527	20.233
22-3-S	8.04	8.04	0	-427	-6527	15.281
22-4-S	8.04	8.04	3	-158	-6527	41.279
22-5-S	8.04	8.04	199	-66	6527	21.847
23-1-S	6.03	6.03	62	-77	-4970	51.537
23-2-S	6.03	6.03	9	-279	-4970	17.810
23-3-S	6.03	6.03	0	-361	-4970	13.756
23-4-S	6.03	6.03	3	-151	-4970	32.926
23-5-S	6.03	6.03	175	-75	4970	17.598
24-1-S	8.04	8.04	6	-83	-6527	78.758
24-2-S	8.04	8.04	6	-167	-6527	39.013
24-3-S	8.04	8.04	0	-218	-6527	29.917
24-4-S	8.04	8.04	3	-135	-6527	48.331
24-5-S	8.04	8.04	110	-105	6527	31.111
25-1-S	8.04	8.04	140	-75	6527	35.445
25-2-S	8.04	8.04	7	-441	-6527	14.802
25-3-S	8.04	8.04	0	-563	-6527	11.591
25-4-S	8.04	8.04	3	-174	-6527	37.507
25-5-S	8.04	8.04	264	-39	6527	20.023
26-1-S	6.03	6.03	8	-54	-4970	91.758
26-2-S	6.03	6.03	5	-96	-4970	51.840
26-3-S	6.03	6.03	0	-136	-4970	36.515
26-4-S	6.03	6.03	3	-124	-4970	40.077
26-5-S	6.03	6.03	44	-140	-4970	30.459
27-1-S	8.04	8.04	144	-94	6527	30.212
27-2-S	8.04	8.04	9	-508	-6527	12.842
27-3-S	8.04	8.04	0	-652	-6527	10.016
27-4-S	8.04	8.04	2	-184	-6527	35.476
27-5-S	8.04	8.04	336	-12	6527	18.517
28-1-S	8.04	8.04	1	-8	6527	100.000
28-2-S	8.04	8.04	0	-31	6527	100.000
28-3-S	8.04	8.04	0	-81	-6527	80.398
28-4-S	8.04	8.04	1	-160	-6527	40.820
28-5-S	8.04	8.04	0	-284	-6527	22.974
29-1-S	8.04	8.04	1	0	6527	100.000
29-2-S	8.04	8.04	0	-25	-6527	100.000
29-3-S	8.04	8.04	0	-83	-6527	78.856
29-4-S	8.04	8.04	0	-183	-6527	35.755
29-5-S	8.04	8.04	0	-329	-6527	19.869

Combinazione n° 5 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	2	-12	6479	100.000
1-2-P	8.04	8.04	5	-23	6479	100.000
1-3-P	8.04	8.04	8	-28	6479	100.000
1-4-P	8.04	8.04	14	-26	6479	100.000
1-5-P	8.04	8.04	26	-23	6479	100.000
1-6-P	8.04	8.04	47	-18	6479	100.000
1-7-P	8.04	8.04	75	-13	6479	86.768
1-8-P	8.04	8.04	105	-14	6479	61.479
1-9-P	8.04	8.04	100	-16	6479	64.649
1-10-P	8.04	8.04	38	-109	-6479	47.979
1-11-P	8.04	8.04	27	-623	-6479	8.412
1-12-P	8.04	8.04	43	-97	-6479	54.184
1-13-P	8.04	8.04	124	-2	6479	52.173
1-14-P	8.04	8.04	157	0	6479	41.365
1-15-P	8.04	8.04	160	0	6479	40.464
1-16-P	8.04	8.04	158	0	6479	41.013
1-17-P	8.04	8.04	128	-2	6479	50.799
1-18-P	8.04	8.04	44	-91	-6479	57.445
1-19-P	8.04	8.04	28	-611	-6479	8.586
1-20-P	8.04	8.04	44	-91	-6479	57.443
1-21-P	8.04	8.04	128	-2	6479	50.791
1-22-P	8.04	8.04	158	0	6479	40.971
1-23-P	8.04	8.04	161	0	6479	40.320
1-24-P	8.04	8.04	158	0	6479	40.975
1-25-P	8.04	8.04	128	-2	6479	50.805
1-26-P	8.04	8.04	44	-91	-6479	57.420
1-27-P	8.04	8.04	28	-611	-6479	8.585
1-28-P	8.04	8.04	44	-91	-6479	57.419
1-29-P	8.04	8.04	128	-2	6479	50.806
1-30-P	8.04	8.04	158	0	6479	40.977
1-31-P	8.04	8.04	161	0	6479	40.323
1-32-P	8.04	8.04	158	0	6479	40.977
1-33-P	8.04	8.04	128	-2	6479	50.807
1-34-P	8.04	8.04	44	-91	-6479	57.419
1-35-P	8.04	8.04	28	-611	-6479	8.585
1-36-P	8.04	8.04	44	-91	-6479	57.419



Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-37-P	8.04	8.04	128	-2	6479	50.806
1-38-P	8.04	8.04	158	0	6479	40.977
1-39-P	8.04	8.04	161	0	6479	40.323
1-40-P	8.04	8.04	158	0	6479	40.977
1-41-P	8.04	8.04	128	-2	6479	50.806
1-42-P	8.04	8.04	44	-91	-6479	57.419
1-43-P	8.04	8.04	28	-611	-6479	8.585
1-44-P	8.04	8.04	44	-91	-6479	57.419
1-45-P	8.04	8.04	128	-2	6479	50.806
1-46-P	8.04	8.04	158	0	6479	40.977
1-47-P	8.04	8.04	161	0	6479	40.323
1-48-P	8.04	8.04	158	0	6479	40.977
1-49-P	8.04	8.04	128	-2	6479	50.806
1-50-P	8.04	8.04	44	-91	-6479	57.419
1-51-P	8.04	8.04	28	-611	-6479	8.585
1-52-P	8.04	8.04	44	-91	-6479	57.419
1-53-P	8.04	8.04	128	-2	6479	50.806
1-54-P	8.04	8.04	158	0	6479	40.977
1-55-P	8.04	8.04	161	0	6479	40.323
1-56-P	8.04	8.04	158	0	6479	40.977
1-57-P	8.04	8.04	128	-2	6479	50.806
1-58-P	8.04	8.04	44	-91	-6479	57.419
1-59-P	8.04	8.04	28	-611	-6479	8.585
1-60-P	8.04	8.04	44	-91	-6479	57.419
1-61-P	8.04	8.04	128	-2	6479	50.806
1-62-P	8.04	8.04	158	0	6479	40.977
1-63-P	8.04	8.04	161	0	6479	40.323
1-64-P	8.04	8.04	158	0	6479	40.977
1-65-P	8.04	8.04	128	-2	6479	50.806
1-66-P	8.04	8.04	44	-91	-6479	57.419
1-67-P	8.04	8.04	28	-611	-6479	8.585
1-68-P	8.04	8.04	44	-91	-6479	57.419
1-69-P	8.04	8.04	128	-2	6479	50.807
1-70-P	8.04	8.04	158	0	6479	40.977
1-71-P	8.04	8.04	161	0	6479	40.323
1-72-P	8.04	8.04	158	0	6479	40.977
1-73-P	8.04	8.04	128	-2	6479	50.806
1-74-P	8.04	8.04	44	-91	-6479	57.419
1-75-P	8.04	8.04	28	-611	-6479	8.585
1-76-P	8.04	8.04	44	-91	-6479	57.420
1-77-P	8.04	8.04	128	-2	6479	50.805
1-78-P	8.04	8.04	158	0	6479	40.975
1-79-P	8.04	8.04	161	0	6479	40.320
1-80-P	8.04	8.04	158	0	6479	40.971
1-81-P	8.04	8.04	128	-2	6479	50.791
1-82-P	8.04	8.04	44	-91	-6479	57.443
1-83-P	8.04	8.04	28	-611	-6479	8.586
1-84-P	8.04	8.04	44	-91	-6479	57.445
1-85-P	8.04	8.04	128	-2	6479	50.799
1-86-P	8.04	8.04	158	0	6479	41.013
1-87-P	8.04	8.04	160	0	6479	40.464
1-88-P	8.04	8.04	157	0	6479	41.365
1-89-P	8.04	8.04	124	-2	6479	52.173
1-90-P	8.04	8.04	43	-97	-6479	54.184
1-91-P	8.04	8.04	27	-623	-6479	8.412
1-92-P	8.04	8.04	38	-109	-6479	47.979
1-93-P	8.04	8.04	100	-16	6479	64.649
1-94-P	8.04	8.04	105	-14	6479	61.479
1-95-P	8.04	8.04	75	-13	6479	86.768
1-96-P	8.04	8.04	47	-18	6479	100.000
1-97-P	8.04	8.04	26	-23	6479	100.000
1-98-P	8.04	8.04	14	-26	6479	100.000
1-99-P	8.04	8.04	8	-28	6479	100.000
1-100-P	8.04	8.04	5	-23	6479	100.000
1-101-P	8.04	8.04	2	-12	6479	100.000
3-1-S	8.04	8.04	5	0	6527	100.000
3-2-S	8.04	8.04	3	-24	6527	100.000
3-3-S	8.04	8.04	0	-90	-6527	72.845
3-4-S	8.04	8.04	0	-216	-6527	30.263
3-5-S	8.04	8.04	0	-409	-6527	15.959
4-1-S	8.04	8.04	23	-16	6527	100.000
4-2-S	8.04	8.04	31	-24	6527	100.000
4-3-S	8.04	8.04	34	-47	6527	100.000
4-4-S	8.04	8.04	26	-97	-6527	67.143
4-5-S	8.04	8.04	11	-215	-6527	30.397
5-1-S	8.04	8.04	110	-95	6527	31.031
5-2-S	8.04	8.04	7	-490	-6527	13.328
5-3-S	8.04	8.04	15	-402	-6527	16.239
5-4-S	8.04	8.04	220	-9	6527	29.680
5-5-S	8.04	8.04	837	0	6527	7.798
6-1-S	6.03	6.03	11	-35	-4970	56.958
6-2-S	6.03	6.03	36	-35	-4970	57.097
6-3-S	6.03	6.03	79	-20	4970	62.784
6-4-S	6.03	6.03	184	0	4970	27.043
6-5-S	6.03	6.03	283	0	4970	17.591
7-1-S	8.04	8.04	109	-62	6527	42.829
7-2-S	8.04	8.04	12	-411	-6527	12.717
7-3-S	8.04	8.04	30	-313	-6527	15.875
7-4-S	8.04	8.04	233	-2	6527	27.981
7-5-S	8.04	8.04	734	0	6527	8.896
8-1-S	8.04	8.04	9	-71	-6527	36.600
8-2-S	8.04	8.04	26	-98	-6527	40.152
8-3-S	8.04	8.04	63	-73	-6527	35.780

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
8-4-S	8.04	8.04	205	-1	6527	31.887
8-5-S	8.04	8.04	428	0	6527	15.262
9-1-S	6.03	6.03	43	-58	-4970	51.276
9-2-S	6.03	6.03	20	-221	-4970	13.469
9-3-S	6.03	6.03	49	-172	-4970	17.373
9-4-S	6.03	6.03	218	-2	4970	22.821
9-5-S	6.03	6.03	560	0	4970	8.878
10-1-S	8.04	8.04	71	-79	-6527	49.329
10-2-S	8.04	8.04	16	-265	-6527	14.767
10-3-S	8.04	8.04	44	-219	-6527	18.493
10-4-S	8.04	8.04	222	-2	6527	29.469
10-5-S	8.04	8.04	607	0	6527	10.762
11-1-S	8.04	8.04	10	-79	-6527	32.908
11-2-S	8.04	8.04	29	-66	-6527	39.633
11-3-S	8.04	8.04	68	-48	-6527	54.928
11-4-S	8.04	8.04	200	-1	6527	32.638
11-5-S	8.04	8.04	388	0	6527	16.840
12-1-S	8.04	8.04	107	-58	6527	48.650
12-2-S	8.04	8.04	9	-421	-6527	12.411
12-3-S	8.04	8.04	26	-336	-6527	14.820
12-4-S	8.04	8.04	237	-2	6527	27.548
12-5-S	8.04	8.04	771	0	6527	8.465
13-1-S	6.03	6.03	12	-23	-4970	42.448
13-2-S	6.03	6.03	37	-24	-4970	82.911
13-3-S	6.03	6.03	86	-15	4970	57.750
13-4-S	6.03	6.03	181	0	4970	27.459
13-5-S	6.03	6.03	253	0	4970	19.684
14-1-S	8.04	8.04	110	-100	6527	34.049
14-2-S	8.04	8.04	5	-484	-6527	13.480
14-3-S	8.04	8.04	11	-377	-6527	16.477
14-4-S	8.04	8.04	251	-3	6527	25.956
14-5-S	8.04	8.04	888	0	6527	7.350
15-1-S	8.04	8.04	13	0	6527	100.000
15-2-S	8.04	8.04	43	-5	6527	100.000
15-3-S	8.04	8.04	98	0	6527	66.852
15-4-S	8.04	8.04	171	0	6527	38.092
15-5-S	8.04	8.04	180	0	6527	36.302
16-1-S	6.03	6.03	110	-122	4970	15.073
16-2-S	6.03	6.03	3	-497	-4970	9.995
16-3-S	6.03	6.03	6	-392	-4970	12.693
16-4-S	6.03	6.03	256	-3	4970	19.381
16-5-S	6.03	6.03	931	0	4970	5.337
17-1-S	8.04	8.04	13	0	6527	100.000
17-2-S	8.04	8.04	43	-5	6527	100.000
17-3-S	8.04	8.04	98	0	6527	66.852
17-4-S	8.04	8.04	171	0	6527	38.092
17-5-S	8.04	8.04	180	0	6527	36.302
18-1-S	8.04	8.04	110	-100	6527	34.049
18-2-S	8.04	8.04	5	-484	-6527	13.480
18-3-S	8.04	8.04	11	-377	-6527	16.477
18-4-S	8.04	8.04	251	-3	6527	25.956
18-5-S	8.04	8.04	888	0	6527	7.350
19-1-S	6.03	6.03	12	-23	-4970	42.448
19-2-S	6.03	6.03	37	-24	-4970	82.911
19-3-S	6.03	6.03	86	-15	4970	57.750
19-4-S	6.03	6.03	181	0	4970	27.459
19-5-S	6.03	6.03	253	0	4970	19.684
20-1-S	8.04	8.04	107	-58	6527	48.650
20-2-S	8.04	8.04	9	-421	-6527	12.411
20-3-S	8.04	8.04	26	-336	-6527	14.820
20-4-S	8.04	8.04	237	-2	6527	27.548
20-5-S	8.04	8.04	771	0	6527	8.465
21-1-S	8.04	8.04	10	-79	-6527	32.908
21-2-S	8.04	8.04	29	-66	-6527	39.633
21-3-S	8.04	8.04	68	-48	-6527	54.928
21-4-S	8.04	8.04	200	-1	6527	32.638
21-5-S	8.04	8.04	388	0	6527	16.840
22-1-S	8.04	8.04	71	-79	-6527	49.329
22-2-S	8.04	8.04	16	-265	-6527	14.767
22-3-S	8.04	8.04	44	-219	-6527	18.493
22-4-S	8.04	8.04	222	-2	6527	29.469
22-5-S	8.04	8.04	607	0	6527	10.762
23-1-S	6.03	6.03	43	-58	-4970	51.276
23-2-S	6.03	6.03	20	-221	-4970	13.469
23-3-S	6.03	6.03	49	-172	-4970	17.373
23-4-S	6.03	6.03	218	-2	4970	22.821
23-5-S	6.03	6.03	560	0	4970	8.878
24-1-S	8.04	8.04	9	-71	-6527	36.600
24-2-S	8.04	8.04	26	-98	-6527	40.152
24-3-S	8.04	8.04	63	-73	-6527	35.780
24-4-S	8.04	8.04	205	-1	6527	31.887
24-5-S	8.04	8.04	428	0	6527	15.262
25-1-S	8.04	8.04	109	-62	6527	42.829
25-2-S	8.04	8.04	12	-411	-6527	12.717
25-3-S	8.04	8.04	30	-313	-6527	15.875
25-4-S	8.04	8.04	233	-2	6527	27.981
25-5-S	8.04	8.04	734	0	6527	8.896
26-1-S	6.03	6.03	11	-35	-4970	56.958
26-2-S	6.03	6.03	36	-35	-4970	57.097
26-3-S	6.03	6.03	79	-20	4970	62.784
26-4-S	6.03	6.03	184	0	4970	27.043
26-5-S	6.03	6.03	283	0	4970	17.591
27-1-S	8.04	8.04	110	-95	6527	31.031

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
27-2-S	8.04	8.04	7	-490	-6527	13.328
27-3-S	8.04	8.04	15	-402	-6527	16.239
27-4-S	8.04	8.04	220	-9	6527	29.680
27-5-S	8.04	8.04	837	0	6527	7.798
28-1-S	8.04	8.04	23	-16	6527	100.000
28-2-S	8.04	8.04	31	-24	6527	100.000
28-3-S	8.04	8.04	34	-47	6527	100.000
28-4-S	8.04	8.04	26	-97	-6527	67.143
28-5-S	8.04	8.04	11	-215	-6527	30.397
29-1-S	8.04	8.04	5	0	6527	100.000
29-2-S	8.04	8.04	3	-24	6527	100.000
29-3-S	8.04	8.04	0	-90	-6527	72.845
29-4-S	8.04	8.04	0	-216	-6527	30.263
29-5-S	8.04	8.04	0	-409	-6527	15.959

Combinazione n° 6 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	2	-11	6479	100.000
1-2-P	8.04	8.04	5	-20	6479	100.000
1-3-P	8.04	8.04	9	-23	6479	100.000
1-4-P	8.04	8.04	17	-21	6479	100.000
1-5-P	8.04	8.04	30	-18	6479	100.000
1-6-P	8.04	8.04	53	-15	6479	97.348
1-7-P	8.04	8.04	83	-14	6479	78.190
1-8-P	8.04	8.04	105	-10	6479	61.521
1-9-P	8.04	8.04	100	-17	6479	64.499
1-10-P	8.04	8.04	38	-92	-6479	53.489
1-11-P	8.04	8.04	31	-504	-6479	10.408
1-12-P	8.04	8.04	40	-75	-6479	65.481
1-13-P	8.04	8.04	126	-1	6479	51.556
1-14-P	8.04	8.04	164	0	6479	39.422
1-15-P	8.04	8.04	171	0	6479	37.955
1-16-P	8.04	8.04	166	0	6479	39.016
1-17-P	8.04	8.04	130	-1	6479	49.906
1-18-P	8.04	8.04	43	-69	-6479	71.246
1-19-P	8.04	8.04	32	-490	-6479	10.083
1-20-P	8.04	8.04	43	-69	-6479	71.260
1-21-P	8.04	8.04	130	-1	6479	49.875
1-22-P	8.04	8.04	166	0	6479	38.941
1-23-P	8.04	8.04	172	0	6479	37.764
1-24-P	8.04	8.04	166	0	6479	38.944
1-25-P	8.04	8.04	130	-1	6479	49.888
1-26-P	8.04	8.04	43	-69	-6479	71.232
1-27-P	8.04	8.04	32	-490	-6479	10.082
1-28-P	8.04	8.04	43	-69	-6479	71.230
1-29-P	8.04	8.04	130	-1	6479	49.890
1-30-P	8.04	8.04	166	0	6479	38.947
1-31-P	8.04	8.04	172	0	6479	37.767
1-32-P	8.04	8.04	166	0	6479	38.947
1-33-P	8.04	8.04	130	-1	6479	49.890
1-34-P	8.04	8.04	43	-69	-6479	71.229
1-35-P	8.04	8.04	32	-490	-6479	10.082
1-36-P	8.04	8.04	43	-69	-6479	71.229
1-37-P	8.04	8.04	130	-1	6479	49.890
1-38-P	8.04	8.04	166	0	6479	38.947
1-39-P	8.04	8.04	172	0	6479	37.767
1-40-P	8.04	8.04	166	0	6479	38.947
1-41-P	8.04	8.04	130	-1	6479	49.890
1-42-P	8.04	8.04	43	-69	-6479	71.229
1-43-P	8.04	8.04	32	-490	-6479	10.082
1-44-P	8.04	8.04	43	-69	-6479	71.229
1-45-P	8.04	8.04	130	-1	6479	49.890
1-46-P	8.04	8.04	166	0	6479	38.947
1-47-P	8.04	8.04	172	0	6479	37.767
1-48-P	8.04	8.04	166	0	6479	38.947
1-49-P	8.04	8.04	130	-1	6479	49.890
1-50-P	8.04	8.04	43	-69	-6479	71.229
1-51-P	8.04	8.04	32	-490	-6479	10.082
1-52-P	8.04	8.04	43	-69	-6479	71.229
1-53-P	8.04	8.04	130	-1	6479	49.890
1-54-P	8.04	8.04	166	0	6479	38.947
1-55-P	8.04	8.04	172	0	6479	37.767
1-56-P	8.04	8.04	166	0	6479	38.947
1-57-P	8.04	8.04	130	-1	6479	49.890
1-58-P	8.04	8.04	43	-69	-6479	71.229
1-59-P	8.04	8.04	32	-490	-6479	10.082
1-60-P	8.04	8.04	43	-69	-6479	71.229
1-61-P	8.04	8.04	130	-1	6479	49.890
1-62-P	8.04	8.04	166	0	6479	38.947
1-63-P	8.04	8.04	172	0	6479	37.767
1-64-P	8.04	8.04	166	0	6479	38.947
1-65-P	8.04	8.04	130	-1	6479	49.890
1-66-P	8.04	8.04	43	-69	-6479	71.229
1-67-P	8.04	8.04	32	-490	-6479	10.082
1-68-P	8.04	8.04	43	-69	-6479	71.229
1-69-P	8.04	8.04	130	-1	6479	49.890
1-70-P	8.04	8.04	166	0	6479	38.947
1-71-P	8.04	8.04	172	0	6479	37.767
1-72-P	8.04	8.04	166	0	6479	38.947
1-73-P	8.04	8.04	130	-1	6479	49.890

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-74-P	8.04	8.04	43	-69	-6479	71.230
1-75-P	8.04	8.04	32	-490	-6479	10.082
1-76-P	8.04	8.04	43	-69	-6479	71.232
1-77-P	8.04	8.04	130	-1	6479	49.888
1-78-P	8.04	8.04	166	0	6479	38.944
1-79-P	8.04	8.04	172	0	6479	37.764
1-80-P	8.04	8.04	166	0	6479	38.941
1-81-P	8.04	8.04	130	-1	6479	49.875
1-82-P	8.04	8.04	43	-69	-6479	71.260
1-83-P	8.04	8.04	32	-490	-6479	10.083
1-84-P	8.04	8.04	43	-69	-6479	71.246
1-85-P	8.04	8.04	130	-1	6479	49.906
1-86-P	8.04	8.04	166	0	6479	39.016
1-87-P	8.04	8.04	171	0	6479	37.955
1-88-P	8.04	8.04	164	0	6479	39.422
1-89-P	8.04	8.04	126	-1	6479	51.556
1-90-P	8.04	8.04	40	-75	-6479	65.481
1-91-P	8.04	8.04	31	-504	-6479	10.408
1-92-P	8.04	8.04	38	-92	-6479	53.489
1-93-P	8.04	8.04	100	-17	6479	64.499
1-94-P	8.04	8.04	105	-10	6479	61.521
1-95-P	8.04	8.04	83	-14	6479	78.190
1-96-P	8.04	8.04	53	-15	6479	97.348
1-97-P	8.04	8.04	30	-18	6479	100.000
1-98-P	8.04	8.04	17	-21	6479	100.000
1-99-P	8.04	8.04	9	-23	6479	100.000
1-100-P	8.04	8.04	5	-20	6479	100.000
1-101-P	8.04	8.04	2	-11	6479	100.000
3-1-S	8.04	8.04	6	0	6527	100.000
3-2-S	8.04	8.04	4	-19	6527	100.000
3-3-S	8.04	8.04	1	-72	-6527	90.291
3-4-S	8.04	8.04	0	-180	-6527	36.297
3-5-S	8.04	8.04	0	-348	-6527	18.734
4-1-S	8.04	8.04	30	-18	6527	100.000
4-2-S	8.04	8.04	43	-21	6527	100.000
4-3-S	8.04	8.04	51	-32	6527	100.000
4-4-S	8.04	8.04	42	-62	6527	100.000
4-5-S	8.04	8.04	24	-150	-6527	43.380
5-1-S	8.04	8.04	67	-75	6527	55.525
5-2-S	8.04	8.04	14	-337	-6527	19.382
5-3-S	8.04	8.04	36	-170	-6527	38.384
5-4-S	8.04	8.04	330	-1	6527	19.763
5-5-S	8.04	8.04	806	0	6527	8.103
6-1-S	6.03	6.03	19	-24	-4970	42.096
6-2-S	6.03	6.03	57	-11	4970	86.716
6-3-S	6.03	6.03	139	-6	4970	35.652
6-4-S	6.03	6.03	266	0	4970	18.697
6-5-S	6.03	6.03	359	0	4970	13.848
7-1-S	8.04	8.04	66	-44	6527	65.634
7-2-S	8.04	8.04	22	-277	-6527	18.820
7-3-S	8.04	8.04	68	-124	-6527	32.544
7-4-S	8.04	8.04	349	0	6527	18.698
7-5-S	8.04	8.04	733	0	6527	8.903
8-1-S	8.04	8.04	15	-50	-6527	51.901
8-2-S	8.04	8.04	45	-50	-6527	51.857
8-3-S	8.04	8.04	113	-20	6527	46.263
8-4-S	8.04	8.04	295	0	6527	22.115
8-5-S	8.04	8.04	480	0	6527	13.590
9-1-S	6.03	6.03	31	-41	-4970	72.155
9-2-S	6.03	6.03	36	-140	-4970	21.266
9-3-S	6.03	6.03	96	-64	-4970	31.033
9-4-S	6.03	6.03	319	0	4970	15.590
9-5-S	6.03	6.03	590	0	4970	8.428
10-1-S	8.04	8.04	47	-55	-6527	71.008
10-2-S	8.04	8.04	31	-172	-6527	22.824
10-3-S	8.04	8.04	88	-84	-6527	40.561
10-4-S	8.04	8.04	327	0	6527	19.964
10-5-S	8.04	8.04	628	0	6527	10.391
11-1-S	8.04	8.04	17	-55	-6527	47.340
11-2-S	8.04	8.04	50	-28	-6527	92.859
11-3-S	8.04	8.04	121	-11	6527	53.833
11-4-S	8.04	8.04	288	0	6527	22.674
11-5-S	8.04	8.04	447	0	6527	14.602
12-1-S	8.04	8.04	64	-41	6527	82.032
12-2-S	8.04	8.04	19	-284	-6527	18.405
12-3-S	8.04	8.04	62	-133	-6527	32.744
12-4-S	8.04	8.04	355	0	6527	18.368
12-5-S	8.04	8.04	764	0	6527	8.544
13-1-S	6.03	6.03	20	-15	-4970	64.941
13-2-S	6.03	6.03	62	-7	4970	79.958
13-3-S	6.03	6.03	146	-4	4970	33.968
13-4-S	6.03	6.03	263	0	4970	18.899
13-5-S	6.03	6.03	334	0	4970	14.859
14-1-S	8.04	8.04	63	-71	6527	54.433
14-2-S	8.04	8.04	8	-321	-6527	20.347
14-3-S	8.04	8.04	39	-145	-6527	38.541
14-4-S	8.04	8.04	375	0	6527	17.394
14-5-S	8.04	8.04	861	0	6527	7.585
15-1-S	8.04	8.04	24	0	6527	100.000
15-2-S	8.04	8.04	72	0	6527	90.220
15-3-S	8.04	8.04	159	0	6527	40.994
15-4-S	8.04	8.04	250	0	6527	26.117
15-5-S	8.04	8.04	274	0	6527	23.855

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
16-1-S	6.03	6.03	62	-87	4970	34.563
16-2-S	6.03	6.03	2	-325	-4970	15.295
16-3-S	6.03	6.03	31	-150	-4970	33.085
16-4-S	6.03	6.03	382	0	4970	13.000
16-5-S	6.03	6.03	896	0	4970	5.547
17-1-S	8.04	8.04	24	0	6527	100.000
17-2-S	8.04	8.04	72	0	6527	90.220
17-3-S	8.04	8.04	159	0	6527	40.994
17-4-S	8.04	8.04	250	0	6527	26.117
17-5-S	8.04	8.04	274	0	6527	23.855
18-1-S	8.04	8.04	63	-71	6527	54.433
18-2-S	8.04	8.04	8	-321	-6527	20.347
18-3-S	8.04	8.04	39	-145	-6527	38.541
18-4-S	8.04	8.04	375	0	6527	17.394
18-5-S	8.04	8.04	861	0	6527	7.585
19-1-S	6.03	6.03	20	-15	-4970	64.941
19-2-S	6.03	6.03	62	-7	4970	79.958
19-3-S	6.03	6.03	146	-4	4970	33.968
19-4-S	6.03	6.03	263	0	4970	18.899
19-5-S	6.03	6.03	334	0	4970	14.859
20-1-S	8.04	8.04	64	-41	6527	82.032
20-2-S	8.04	8.04	19	-284	-6527	18.405
20-3-S	8.04	8.04	62	-133	-6527	32.744
20-4-S	8.04	8.04	355	0	6527	18.368
20-5-S	8.04	8.04	764	0	6527	8.544
21-1-S	8.04	8.04	17	-55	-6527	47.340
21-2-S	8.04	8.04	50	-28	-6527	92.859
21-3-S	8.04	8.04	121	-11	6527	53.833
21-4-S	8.04	8.04	288	0	6527	22.674
21-5-S	8.04	8.04	447	0	6527	14.602
22-1-S	8.04	8.04	47	-55	-6527	71.008
22-2-S	8.04	8.04	31	-172	-6527	22.824
22-3-S	8.04	8.04	88	-84	-6527	40.561
22-4-S	8.04	8.04	327	0	6527	19.964
22-5-S	8.04	8.04	628	0	6527	10.391
23-1-S	6.03	6.03	31	-41	-4970	72.155
23-2-S	6.03	6.03	36	-140	-4970	21.266
23-3-S	6.03	6.03	96	-64	-4970	31.033
23-4-S	6.03	6.03	319	0	4970	15.590
23-5-S	6.03	6.03	590	0	4970	8.428
24-1-S	8.04	8.04	15	-50	-6527	51.901
24-2-S	8.04	8.04	45	-50	-6527	51.857
24-3-S	8.04	8.04	113	-20	6527	46.263
24-4-S	8.04	8.04	295	0	6527	22.115
24-5-S	8.04	8.04	480	0	6527	13.590
25-1-S	8.04	8.04	66	-44	6527	65.634
25-2-S	8.04	8.04	22	-277	-6527	18.820
25-3-S	8.04	8.04	68	-124	-6527	32.544
25-4-S	8.04	8.04	349	0	6527	18.698
25-5-S	8.04	8.04	733	0	6527	8.903
26-1-S	6.03	6.03	19	-24	-4970	42.096
26-2-S	6.03	6.03	57	-11	4970	86.716
26-3-S	6.03	6.03	139	-6	4970	35.652
26-4-S	6.03	6.03	266	0	4970	18.697
26-5-S	6.03	6.03	359	0	4970	13.848
27-1-S	8.04	8.04	67	-75	6527	55.525
27-2-S	8.04	8.04	14	-337	-6527	19.382
27-3-S	8.04	8.04	36	-170	-6527	38.384
27-4-S	8.04	8.04	330	-1	6527	19.763
27-5-S	8.04	8.04	806	0	6527	8.103
28-1-S	8.04	8.04	30	-18	6527	100.000
28-2-S	8.04	8.04	43	-21	6527	100.000
28-3-S	8.04	8.04	51	-32	6527	100.000
28-4-S	8.04	8.04	42	-62	6527	100.000
28-5-S	8.04	8.04	24	-150	-6527	43.380
29-1-S	8.04	8.04	6	0	6527	100.000
29-2-S	8.04	8.04	4	-19	6527	100.000
29-3-S	8.04	8.04	1	-72	-6527	90.291
29-4-S	8.04	8.04	0	-180	-6527	36.297
29-5-S	8.04	8.04	0	-348	-6527	18.734

Combinazione n° 7 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	2	-12	6479	100.000
1-2-P	8.04	8.04	4	-23	6479	100.000
1-3-P	8.04	8.04	8	-28	6479	100.000
1-4-P	8.04	8.04	13	-26	6479	100.000
1-5-P	8.04	8.04	25	-23	6479	100.000
1-6-P	8.04	8.04	43	-18	6479	100.000
1-7-P	8.04	8.04	70	-14	6479	73.708
1-8-P	8.04	8.04	100	-15	6479	65.059
1-9-P	8.04	8.04	94	-16	6479	68.827
1-10-P	8.04	8.04	35	-105	-6479	49.866
1-11-P	8.04	8.04	25	-596	-6479	8.800
1-12-P	8.04	8.04	40	-93	-6479	56.195
1-13-P	8.04	8.04	116	-2	6479	55.626
1-14-P	8.04	8.04	147	0	6479	44.061
1-15-P	8.04	8.04	150	0	6479	43.104
1-16-P	8.04	8.04	148	0	6479	43.683
1-17-P	8.04	8.04	120	-2	6479	54.143

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-18-P	8.04	8.04	41	-88	-6479	59.551
1-19-P	8.04	8.04	26	-584	-6479	8.980
1-20-P	8.04	8.04	41	-88	-6479	59.550
1-21-P	8.04	8.04	120	-2	6479	54.135
1-22-P	8.04	8.04	148	0	6479	43.638
1-23-P	8.04	8.04	151	0	6479	42.950
1-24-P	8.04	8.04	148	0	6479	43.643
1-25-P	8.04	8.04	120	-2	6479	54.150
1-26-P	8.04	8.04	41	-88	-6479	59.525
1-27-P	8.04	8.04	26	-584	-6479	8.979
1-28-P	8.04	8.04	41	-88	-6479	59.524
1-29-P	8.04	8.04	120	-2	6479	54.152
1-30-P	8.04	8.04	148	0	6479	43.645
1-31-P	8.04	8.04	151	0	6479	42.954
1-32-P	8.04	8.04	148	0	6479	43.645
1-33-P	8.04	8.04	120	-2	6479	54.152
1-34-P	8.04	8.04	41	-88	-6479	59.524
1-35-P	8.04	8.04	26	-584	-6479	8.979
1-36-P	8.04	8.04	41	-88	-6479	59.524
1-37-P	8.04	8.04	120	-2	6479	54.152
1-38-P	8.04	8.04	148	0	6479	43.645
1-39-P	8.04	8.04	151	0	6479	42.954
1-40-P	8.04	8.04	148	0	6479	43.645
1-41-P	8.04	8.04	120	-2	6479	54.152
1-42-P	8.04	8.04	41	-88	-6479	59.524
1-43-P	8.04	8.04	26	-584	-6479	8.979
1-44-P	8.04	8.04	41	-88	-6479	59.524
1-45-P	8.04	8.04	120	-2	6479	54.152
1-46-P	8.04	8.04	148	0	6479	43.645
1-47-P	8.04	8.04	151	0	6479	42.954
1-48-P	8.04	8.04	148	0	6479	43.645
1-49-P	8.04	8.04	120	-2	6479	54.152
1-50-P	8.04	8.04	41	-88	-6479	59.524
1-51-P	8.04	8.04	26	-584	-6479	8.979
1-52-P	8.04	8.04	41	-88	-6479	59.524
1-53-P	8.04	8.04	120	-2	6479	54.152
1-54-P	8.04	8.04	148	0	6479	43.645
1-55-P	8.04	8.04	151	0	6479	42.954
1-56-P	8.04	8.04	148	0	6479	43.645
1-57-P	8.04	8.04	120	-2	6479	54.152
1-58-P	8.04	8.04	41	-88	-6479	59.524
1-59-P	8.04	8.04	26	-584	-6479	8.979
1-60-P	8.04	8.04	41	-88	-6479	59.524
1-61-P	8.04	8.04	120	-2	6479	54.152
1-62-P	8.04	8.04	148	0	6479	43.645
1-63-P	8.04	8.04	151	0	6479	42.954
1-64-P	8.04	8.04	148	0	6479	43.645
1-65-P	8.04	8.04	120	-2	6479	54.152
1-66-P	8.04	8.04	41	-88	-6479	59.524
1-67-P	8.04	8.04	26	-584	-6479	8.979
1-68-P	8.04	8.04	41	-88	-6479	59.524
1-69-P	8.04	8.04	120	-2	6479	54.152
1-70-P	8.04	8.04	148	0	6479	43.645
1-71-P	8.04	8.04	151	0	6479	42.954
1-72-P	8.04	8.04	148	0	6479	43.645
1-73-P	8.04	8.04	120	-2	6479	54.152
1-74-P	8.04	8.04	41	-88	-6479	59.524
1-75-P	8.04	8.04	26	-584	-6479	8.979
1-76-P	8.04	8.04	41	-88	-6479	59.525
1-77-P	8.04	8.04	120	-2	6479	54.150
1-78-P	8.04	8.04	148	0	6479	43.643
1-79-P	8.04	8.04	151	0	6479	42.950
1-80-P	8.04	8.04	148	0	6479	43.638
1-81-P	8.04	8.04	120	-2	6479	54.135
1-82-P	8.04	8.04	41	-88	-6479	59.550
1-83-P	8.04	8.04	26	-584	-6479	8.980
1-84-P	8.04	8.04	41	-88	-6479	59.551
1-85-P	8.04	8.04	120	-2	6479	54.143
1-86-P	8.04	8.04	148	0	6479	43.683
1-87-P	8.04	8.04	150	0	6479	43.104
1-88-P	8.04	8.04	147	0	6479	44.061
1-89-P	8.04	8.04	116	-2	6479	55.626
1-90-P	8.04	8.04	40	-93	-6479	56.195
1-91-P	8.04	8.04	25	-596	-6479	8.800
1-92-P	8.04	8.04	35	-105	-6479	49.866
1-93-P	8.04	8.04	94	-16	6479	68.827
1-94-P	8.04	8.04	100	-15	6479	65.059
1-95-P	8.04	8.04	70	-14	6479	73.708
1-96-P	8.04	8.04	43	-18	6479	100.000
1-97-P	8.04	8.04	25	-23	6479	100.000
1-98-P	8.04	8.04	13	-26	6479	100.000
1-99-P	8.04	8.04	8	-28	6479	100.000
1-100-P	8.04	8.04	4	-23	6479	100.000
1-101-P	8.04	8.04	2	-12	6479	100.000
3-1-S	8.04	8.04	5	0	6527	100.000
3-2-S	8.04	8.04	2	-25	6527	100.000
3-3-S	8.04	8.04	0	-90	-6527	72.140
3-4-S	8.04	8.04	0	-217	-6527	30.124
3-5-S	8.04	8.04	0	-410	-6527	15.936
4-1-S	8.04	8.04	22	-15	6527	100.000
4-2-S	8.04	8.04	29	-24	6527	100.000
4-3-S	8.04	8.04	31	-49	6527	100.000
4-4-S	8.04	8.04	22	-102	-6527	63.903

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
4-5-S	8.04	8.04	8	-223	-6527	29.283
5-1-S	8.04	8.04	106	-91	6527	32.385
5-2-S	8.04	8.04	7	-470	-6527	13.887
5-3-S	8.04	8.04	14	-391	-6527	16.683
5-4-S	8.04	8.04	197	-10	6527	33.062
5-5-S	8.04	8.04	777	0	6527	8.402
6-1-S	6.03	6.03	11	-33	-4970	59.458
6-2-S	6.03	6.03	33	-34	-4970	58.191
6-3-S	6.03	6.03	71	-21	4970	70.056
6-4-S	6.03	6.03	162	-1	4970	30.607
6-5-S	6.03	6.03	248	0	4970	20.073
7-1-S	8.04	8.04	104	-59	6527	44.684
7-2-S	8.04	8.04	11	-394	-6527	13.250
7-3-S	8.04	8.04	27	-305	-6527	16.296
7-4-S	8.04	8.04	209	-2	6527	31.256
7-5-S	8.04	8.04	678	0	6527	9.627
8-1-S	8.04	8.04	8	-68	-6527	38.272
8-2-S	8.04	8.04	24	-95	-6527	41.388
8-3-S	8.04	8.04	56	-72	-6527	36.121
8-4-S	8.04	8.04	182	-2	6527	35.844
8-5-S	8.04	8.04	386	0	6527	16.908
9-1-S	6.03	6.03	41	-56	-4970	53.527
9-2-S	6.03	6.03	18	-213	-4970	14.003
9-3-S	6.03	6.03	44	-168	-4970	17.727
9-4-S	6.03	6.03	194	-2	4970	25.573
9-5-S	6.03	6.03	512	0	4970	9.705
10-1-S	8.04	8.04	68	-76	-6527	51.558
10-2-S	8.04	8.04	15	-255	-6527	20.469
10-3-S	8.04	8.04	39	-213	-6527	18.943
10-4-S	8.04	8.04	198	-2	6527	33.003
10-5-S	8.04	8.04	557	0	6527	11.726
11-1-S	8.04	8.04	10	-76	-6527	34.396
11-2-S	8.04	8.04	27	-64	-6527	60.971
11-3-S	8.04	8.04	61	-48	-6527	54.608
11-4-S	8.04	8.04	178	-1	6527	36.744
11-5-S	8.04	8.04	348	0	6527	18.766
12-1-S	8.04	8.04	103	-56	6527	50.712
12-2-S	8.04	8.04	8	-404	-6527	12.931
12-3-S	8.04	8.04	23	-327	-6527	16.172
12-4-S	8.04	8.04	212	-2	6527	30.746
12-5-S	8.04	8.04	714	0	6527	9.146
13-1-S	6.03	6.03	11	-22	-4970	44.342
13-2-S	6.03	6.03	34	-24	-4970	83.485
13-3-S	6.03	6.03	77	-15	4970	64.931
13-4-S	6.03	6.03	159	0	4970	31.170
13-5-S	6.03	6.03	219	0	4970	22.701
14-1-S	8.04	8.04	105	-96	6527	35.501
14-2-S	8.04	8.04	5	-465	-6527	14.039
14-3-S	8.04	8.04	10	-368	-6527	16.900
14-4-S	8.04	8.04	226	-3	6527	28.865
14-5-S	8.04	8.04	825	0	6527	7.909
15-1-S	8.04	8.04	12	0	6527	100.000
15-2-S	8.04	8.04	39	-5	6527	100.000
15-3-S	8.04	8.04	87	-1	6527	74.650
15-4-S	8.04	8.04	150	0	6527	43.415
15-5-S	8.04	8.04	150	0	6527	43.630
16-1-S	6.03	6.03	105	-117	4970	15.715
16-2-S	6.03	6.03	3	-478	-4970	10.407
16-3-S	6.03	6.03	5	-382	-4970	13.015
16-4-S	6.03	6.03	231	-3	4970	21.525
16-5-S	6.03	6.03	867	0	4970	5.736
17-1-S	8.04	8.04	12	0	6527	100.000
17-2-S	8.04	8.04	39	-5	6527	100.000
17-3-S	8.04	8.04	87	-1	6527	74.650
17-4-S	8.04	8.04	150	0	6527	43.415
17-5-S	8.04	8.04	150	0	6527	43.630
18-1-S	8.04	8.04	105	-96	6527	35.501
18-2-S	8.04	8.04	5	-465	-6527	14.039
18-3-S	8.04	8.04	10	-368	-6527	16.900
18-4-S	8.04	8.04	226	-3	6527	28.865
18-5-S	8.04	8.04	825	0	6527	7.909
19-1-S	6.03	6.03	11	-22	-4970	44.342
19-2-S	6.03	6.03	34	-24	-4970	83.485
19-3-S	6.03	6.03	77	-15	4970	64.931
19-4-S	6.03	6.03	159	0	4970	31.170
19-5-S	6.03	6.03	219	0	4970	22.701
20-1-S	8.04	8.04	103	-56	6527	50.712
20-2-S	8.04	8.04	8	-404	-6527	12.931
20-3-S	8.04	8.04	23	-327	-6527	16.172
20-4-S	8.04	8.04	212	-2	6527	30.746
20-5-S	8.04	8.04	714	0	6527	9.146
21-1-S	8.04	8.04	10	-76	-6527	34.396
21-2-S	8.04	8.04	27	-64	-6527	60.971
21-3-S	8.04	8.04	61	-48	-6527	54.608
21-4-S	8.04	8.04	178	-1	6527	36.744
21-5-S	8.04	8.04	348	0	6527	18.766
22-1-S	8.04	8.04	68	-76	-6527	51.558
22-2-S	8.04	8.04	15	-255	-6527	20.469
22-3-S	8.04	8.04	39	-213	-6527	18.943
22-4-S	8.04	8.04	198	-2	6527	33.003
22-5-S	8.04	8.04	557	0	6527	11.726
23-1-S	6.03	6.03	41	-56	-4970	53.527
23-2-S	6.03	6.03	18	-213	-4970	14.003

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
23-3-S	6.03	6.03	44	-168	-4970	17.727
23-4-S	6.03	6.03	194	-2	4970	25.573
23-5-S	6.03	6.03	512	0	4970	9.705
24-1-S	8.04	8.04	8	-68	-6527	38.272
24-2-S	8.04	8.04	24	-95	-6527	41.388
24-3-S	8.04	8.04	56	-72	-6527	36.121
24-4-S	8.04	8.04	182	-2	6527	35.844
24-5-S	8.04	8.04	386	0	6527	16.908
25-1-S	8.04	8.04	104	-59	6527	44.684
25-2-S	8.04	8.04	11	-394	-6527	13.250
25-3-S	8.04	8.04	27	-305	-6527	16.296
25-4-S	8.04	8.04	209	-2	6527	31.256
25-5-S	8.04	8.04	678	0	6527	9.627
26-1-S	6.03	6.03	11	-33	-4970	59.458
26-2-S	6.03	6.03	33	-34	-4970	58.191
26-3-S	6.03	6.03	71	-21	4970	70.056
26-4-S	6.03	6.03	162	-1	4970	30.607
26-5-S	6.03	6.03	248	0	4970	20.073
27-1-S	8.04	8.04	106	-91	6527	32.385
27-2-S	8.04	8.04	7	-470	-6527	13.887
27-3-S	8.04	8.04	14	-391	-6527	16.683
27-4-S	8.04	8.04	197	-10	6527	33.062
27-5-S	8.04	8.04	777	0	6527	8.402
28-1-S	8.04	8.04	22	-15	6527	100.000
28-2-S	8.04	8.04	29	-24	6527	100.000
28-3-S	8.04	8.04	31	-49	6527	100.000
28-4-S	8.04	8.04	22	-102	-6527	63.903
28-5-S	8.04	8.04	8	-223	-6527	29.283
29-1-S	8.04	8.04	5	0	6527	100.000
29-2-S	8.04	8.04	2	-25	6527	100.000
29-3-S	8.04	8.04	0	-90	-6527	72.140
29-4-S	8.04	8.04	0	-217	-6527	30.124
29-5-S	8.04	8.04	0	-410	-6527	15.936

Combinazione n° 8 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	4	-14	6479	100.000
1-2-P	8.04	8.04	11	-22	6479	100.000
1-3-P	8.04	8.04	24	-24	6479	100.000
1-4-P	8.04	8.04	44	-19	6479	100.000
1-5-P	8.04	8.04	79	-17	6479	65.859
1-6-P	8.04	8.04	127	-15	6479	51.018
1-7-P	8.04	8.04	174	-7	6479	37.137
1-8-P	8.04	8.04	220	-15	6479	29.486
1-9-P	8.04	8.04	208	-39	6479	31.196
1-10-P	8.04	8.04	144	-185	-6479	23.379
1-11-P	8.04	8.04	100	-622	-6479	6.446
1-12-P	8.04	8.04	141	-140	-6479	30.782
1-13-P	8.04	8.04	259	-2	6479	25.011
1-14-P	8.04	8.04	348	0	6479	18.625
1-15-P	8.04	8.04	369	0	6479	17.570
1-16-P	8.04	8.04	352	0	6479	18.392
1-17-P	8.04	8.04	269	-2	6479	24.047
1-18-P	8.04	8.04	152	-131	-6479	30.663
1-19-P	8.04	8.04	108	-593	-6479	6.243
1-20-P	8.04	8.04	152	-131	-6479	30.684
1-21-P	8.04	8.04	270	-2	6479	24.015
1-22-P	8.04	8.04	353	0	6479	18.336
1-23-P	8.04	8.04	371	0	6479	17.450
1-24-P	8.04	8.04	353	0	6479	18.338
1-25-P	8.04	8.04	270	-2	6479	24.020
1-26-P	8.04	8.04	151	-131	-6479	30.680
1-27-P	8.04	8.04	108	-593	-6479	6.243
1-28-P	8.04	8.04	151	-131	-6479	30.679
1-29-P	8.04	8.04	270	-2	6479	24.021
1-30-P	8.04	8.04	353	0	6479	18.339
1-31-P	8.04	8.04	371	0	6479	17.452
1-32-P	8.04	8.04	353	0	6479	18.339
1-33-P	8.04	8.04	270	-2	6479	24.021
1-34-P	8.04	8.04	151	-131	-6479	30.679
1-35-P	8.04	8.04	108	-593	-6479	6.242
1-36-P	8.04	8.04	151	-131	-6479	30.679
1-37-P	8.04	8.04	270	-2	6479	24.021
1-38-P	8.04	8.04	353	0	6479	18.339
1-39-P	8.04	8.04	371	0	6479	17.452
1-40-P	8.04	8.04	353	0	6479	18.339
1-41-P	8.04	8.04	270	-2	6479	24.021
1-42-P	8.04	8.04	151	-131	-6479	30.679
1-43-P	8.04	8.04	108	-593	-6479	6.242
1-44-P	8.04	8.04	151	-131	-6479	30.679
1-45-P	8.04	8.04	270	-2	6479	24.021
1-46-P	8.04	8.04	353	0	6479	18.339
1-47-P	8.04	8.04	371	0	6479	17.452
1-48-P	8.04	8.04	353	0	6479	18.339
1-49-P	8.04	8.04	270	-2	6479	24.021
1-50-P	8.04	8.04	151	-131	-6479	30.679
1-51-P	8.04	8.04	108	-593	-6479	6.242
1-52-P	8.04	8.04	151	-131	-6479	30.679
1-53-P	8.04	8.04	270	-2	6479	24.021
1-54-P	8.04	8.04	353	0	6479	18.339



Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-55-P	8.04	8.04	371	0	6479	17.452
1-56-P	8.04	8.04	353	0	6479	18.339
1-57-P	8.04	8.04	270	-2	6479	24.021
1-58-P	8.04	8.04	151	-131	-6479	30.679
1-59-P	8.04	8.04	108	-593	-6479	6.242
1-60-P	8.04	8.04	151	-131	-6479	30.679
1-61-P	8.04	8.04	270	-2	6479	24.021
1-62-P	8.04	8.04	353	0	6479	18.339
1-63-P	8.04	8.04	371	0	6479	17.452
1-64-P	8.04	8.04	353	0	6479	18.339
1-65-P	8.04	8.04	270	-2	6479	24.021
1-66-P	8.04	8.04	151	-131	-6479	30.679
1-67-P	8.04	8.04	108	-593	-6479	6.242
1-68-P	8.04	8.04	151	-131	-6479	30.679
1-69-P	8.04	8.04	270	-2	6479	24.021
1-70-P	8.04	8.04	353	0	6479	18.339
1-71-P	8.04	8.04	371	0	6479	17.452
1-72-P	8.04	8.04	353	0	6479	18.339
1-73-P	8.04	8.04	270	-2	6479	24.021
1-74-P	8.04	8.04	151	-131	-6479	30.679
1-75-P	8.04	8.04	108	-593	-6479	6.243
1-76-P	8.04	8.04	151	-131	-6479	30.680
1-77-P	8.04	8.04	270	-2	6479	24.020
1-78-P	8.04	8.04	353	0	6479	18.338
1-79-P	8.04	8.04	371	0	6479	17.450
1-80-P	8.04	8.04	353	0	6479	18.336
1-81-P	8.04	8.04	270	-2	6479	24.015
1-82-P	8.04	8.04	152	-131	-6479	30.684
1-83-P	8.04	8.04	108	-593	-6479	6.243
1-84-P	8.04	8.04	152	-131	-6479	30.663
1-85-P	8.04	8.04	269	-2	6479	24.047
1-86-P	8.04	8.04	352	0	6479	18.392
1-87-P	8.04	8.04	369	0	6479	17.570
1-88-P	8.04	8.04	348	0	6479	18.625
1-89-P	8.04	8.04	259	-2	6479	25.011
1-90-P	8.04	8.04	141	-140	-6479	30.782
1-91-P	8.04	8.04	100	-622	-6479	6.446
1-92-P	8.04	8.04	144	-185	-6479	23.379
1-93-P	8.04	8.04	208	-39	6479	31.196
1-94-P	8.04	8.04	220	-15	6479	29.486
1-95-P	8.04	8.04	174	-7	6479	37.137
1-96-P	8.04	8.04	127	-15	6479	51.018
1-97-P	8.04	8.04	79	-17	6479	65.859
1-98-P	8.04	8.04	44	-19	6479	100.000
1-99-P	8.04	8.04	24	-24	6479	100.000
1-100-P	8.04	8.04	11	-22	6479	100.000
1-101-P	8.04	8.04	4	-14	6479	100.000
3-1-S	8.04	8.04	14	-1	6527	100.000
3-2-S	8.04	8.04	16	-17	6527	100.000
3-3-S	8.04	8.04	9	-64	6527	100.000
3-4-S	8.04	8.04	0	-175	-6527	37.355
3-5-S	8.04	8.04	0	-374	-6527	17.440
4-1-S	8.04	8.04	81	-41	6527	80.979
4-2-S	8.04	8.04	126	-31	6527	51.818
4-3-S	8.04	8.04	181	-20	6527	36.026
4-4-S	8.04	8.04	204	-22	6527	31.930
4-5-S	8.04	8.04	180	-76	6527	21.774
5-1-S	8.04	8.04	44	-128	6527	48.912
5-2-S	8.04	8.04	133	-254	-6527	25.736
5-3-S	8.04	8.04	564	-24	6527	11.571
5-4-S	8.04	8.04	1054	0	6527	6.192
5-5-S	8.04	8.04	1555	0	6527	4.197
6-1-S	6.03	6.03	79	-28	4970	63.093
6-2-S	6.03	6.03	246	-12	4970	20.241
6-3-S	6.03	6.03	511	-1	4970	9.732
6-4-S	6.03	6.03	821	0	4970	6.052
6-5-S	6.03	6.03	1029	0	4970	4.833
7-1-S	8.04	8.04	43	-75	-6527	70.861
7-2-S	8.04	8.04	156	-188	-6527	23.153
7-3-S	8.04	8.04	618	-6	6527	10.560
7-4-S	8.04	8.04	1088	0	6527	6.002
7-5-S	8.04	8.04	1511	0	6527	4.320
8-1-S	8.04	8.04	70	-55	-6527	71.761
8-2-S	8.04	8.04	233	-31	6527	27.974
8-3-S	8.04	8.04	525	-5	6527	12.429
8-4-S	8.04	8.04	906	0	6527	7.202
8-5-S	8.04	8.04	1189	0	6527	5.491
9-1-S	6.03	6.03	55	-58	-4970	51.244
9-2-S	6.03	6.03	198	-92	4970	20.079
9-3-S	6.03	6.03	566	-6	4970	8.778
9-4-S	6.03	6.03	984	0	4970	5.050
9-5-S	6.03	6.03	1329	0	4970	3.740
10-1-S	8.04	8.04	53	-67	6527	73.903
10-2-S	8.04	8.04	199	-127	6527	26.203
10-3-S	8.04	8.04	584	-5	6527	11.175
10-4-S	8.04	8.04	1013	0	6527	6.442
10-5-S	8.04	8.04	1378	0	6527	4.738
11-1-S	8.04	8.04	71	-49	6527	73.227
11-2-S	8.04	8.04	251	-24	6527	26.017
11-3-S	8.04	8.04	517	-7	6527	12.615
11-4-S	8.04	8.04	884	0	6527	7.383
11-5-S	8.04	8.04	1146	0	6527	5.698
12-1-S	8.04	8.04	37	-76	-6527	68.532

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
12-2-S	8.04	8.04	147	-195	-6527	20.082
12-3-S	8.04	8.04	625	-6	6527	10.452
12-4-S	8.04	8.04	1108	0	6527	5.891
12-5-S	8.04	8.04	1550	0	6527	4.212
13-1-S	6.03	6.03	87	-27	4970	56.829
13-2-S	6.03	6.03	251	-8	4970	19.836
13-3-S	6.03	6.03	519	0	4970	9.583
13-4-S	6.03	6.03	815	0	4970	6.099
13-5-S	6.03	6.03	999	0	4970	4.976
14-1-S	8.04	8.04	27	-99	-6527	65.694
14-2-S	8.04	8.04	136	-214	-6527	26.131
14-3-S	8.04	8.04	626	-10	6527	10.421
14-4-S	8.04	8.04	1166	0	6527	5.601
14-5-S	8.04	8.04	1673	0	6527	3.902
15-1-S	8.04	8.04	87	-8	6527	75.052
15-2-S	8.04	8.04	251	0	6527	26.037
15-3-S	8.04	8.04	521	0	6527	12.540
15-4-S	8.04	8.04	780	0	6527	8.374
15-5-S	8.04	8.04	918	0	6527	7.108
16-1-S	6.03	6.03	22	-108	-4970	45.811
16-2-S	6.03	6.03	136	-222	4970	20.937
16-3-S	6.03	6.03	623	-11	4970	7.978
16-4-S	6.03	6.03	1186	0	4970	4.191
16-5-S	6.03	6.03	1717	0	4970	2.895
17-1-S	8.04	8.04	87	-8	6527	75.052
17-2-S	8.04	8.04	251	0	6527	26.037
17-3-S	8.04	8.04	521	0	6527	12.540
17-4-S	8.04	8.04	780	0	6527	8.374
17-5-S	8.04	8.04	918	0	6527	7.108
18-1-S	8.04	8.04	27	-99	-6527	65.694
18-2-S	8.04	8.04	136	-214	-6527	26.131
18-3-S	8.04	8.04	626	-10	6527	10.421
18-4-S	8.04	8.04	1166	0	6527	5.601
18-5-S	8.04	8.04	1673	0	6527	3.902
19-1-S	6.03	6.03	87	-27	4970	56.829
19-2-S	6.03	6.03	251	-8	4970	19.836
19-3-S	6.03	6.03	519	0	4970	9.583
19-4-S	6.03	6.03	815	0	4970	6.099
19-5-S	6.03	6.03	999	0	4970	4.976
20-1-S	8.04	8.04	37	-76	-6527	68.532
20-2-S	8.04	8.04	147	-195	-6527	20.082
20-3-S	8.04	8.04	625	-6	6527	10.452
20-4-S	8.04	8.04	1108	0	6527	5.891
20-5-S	8.04	8.04	1550	0	6527	4.212
21-1-S	8.04	8.04	71	-49	6527	73.227
21-2-S	8.04	8.04	251	-24	6527	26.017
21-3-S	8.04	8.04	517	-7	6527	12.615
21-4-S	8.04	8.04	884	0	6527	7.383
21-5-S	8.04	8.04	1146	0	6527	5.698
22-1-S	8.04	8.04	53	-67	6527	73.903
22-2-S	8.04	8.04	199	-127	6527	26.203
22-3-S	8.04	8.04	584	-5	6527	11.175
22-4-S	8.04	8.04	1013	0	6527	6.442
22-5-S	8.04	8.04	1378	0	6527	4.738
23-1-S	6.03	6.03	55	-58	-4970	51.244
23-2-S	6.03	6.03	198	-92	4970	20.079
23-3-S	6.03	6.03	566	-6	4970	8.778
23-4-S	6.03	6.03	984	0	4970	5.050
23-5-S	6.03	6.03	1329	0	4970	3.740
24-1-S	8.04	8.04	70	-55	-6527	71.761
24-2-S	8.04	8.04	233	-31	6527	27.974
24-3-S	8.04	8.04	525	-5	6527	12.429
24-4-S	8.04	8.04	906	0	6527	7.202
24-5-S	8.04	8.04	1189	0	6527	5.491
25-1-S	8.04	8.04	43	-75	-6527	70.861
25-2-S	8.04	8.04	156	-188	-6527	23.153
25-3-S	8.04	8.04	618	-6	6527	10.560
25-4-S	8.04	8.04	1088	0	6527	6.002
25-5-S	8.04	8.04	1511	0	6527	4.320
26-1-S	6.03	6.03	79	-28	4970	63.093
26-2-S	6.03	6.03	246	-12	4970	20.241
26-3-S	6.03	6.03	511	-1	4970	9.732
26-4-S	6.03	6.03	821	0	4970	6.052
26-5-S	6.03	6.03	1029	0	4970	4.833
27-1-S	8.04	8.04	44	-128	6527	48.912
27-2-S	8.04	8.04	133	-254	-6527	25.736
27-3-S	8.04	8.04	564	-24	6527	11.571
27-4-S	8.04	8.04	1054	0	6527	6.192
27-5-S	8.04	8.04	1555	0	6527	4.197
28-1-S	8.04	8.04	81	-41	6527	80.979
28-2-S	8.04	8.04	126	-31	6527	51.818
28-3-S	8.04	8.04	181	-20	6527	36.026
28-4-S	8.04	8.04	204	-22	6527	31.930
28-5-S	8.04	8.04	180	-76	6527	21.774
29-1-S	8.04	8.04	14	-1	6527	100.000
29-2-S	8.04	8.04	16	-17	6527	100.000
29-3-S	8.04	8.04	9	-64	6527	100.000
29-4-S	8.04	8.04	0	-175	-6527	37.355
29-5-S	8.04	8.04	0	-374	-6527	17.440

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	5	-13	6479	100.000
1-2-P	8.04	8.04	12	-19	6479	100.000
1-3-P	8.04	8.04	26	-20	6479	100.000
1-4-P	8.04	8.04	49	-16	6479	100.000
1-5-P	8.04	8.04	84	-13	6479	62.026
1-6-P	8.04	8.04	133	-12	6479	48.874
1-7-P	8.04	8.04	182	-7	6479	35.560
1-8-P	8.04	8.04	225	-17	6479	28.778
1-9-P	8.04	8.04	211	-43	6479	30.728
1-10-P	8.04	8.04	172	-195	-6479	22.100
1-11-P	8.04	8.04	145	-544	-6479	6.234
1-12-P	8.04	8.04	169	-149	-6479	26.836
1-13-P	8.04	8.04	264	-3	6479	24.570
1-14-P	8.04	8.04	356	0	6479	18.221
1-15-P	8.04	8.04	379	0	6479	17.080
1-16-P	8.04	8.04	360	0	6479	17.980
1-17-P	8.04	8.04	275	-3	6479	23.571
1-18-P	8.04	8.04	181	-140	-6479	28.626
1-19-P	8.04	8.04	156	-517	-6479	6.570
1-20-P	8.04	8.04	181	-140	-6479	28.649
1-21-P	8.04	8.04	275	-3	6479	23.535
1-22-P	8.04	8.04	362	0	6479	17.918
1-23-P	8.04	8.04	382	0	6479	16.953
1-24-P	8.04	8.04	362	0	6479	17.920
1-25-P	8.04	8.04	275	-3	6479	23.541
1-26-P	8.04	8.04	181	-140	-6479	28.647
1-27-P	8.04	8.04	156	-517	-6479	6.570
1-28-P	8.04	8.04	181	-140	-6479	28.646
1-29-P	8.04	8.04	275	-3	6479	23.542
1-30-P	8.04	8.04	362	0	6479	17.921
1-31-P	8.04	8.04	382	0	6479	16.955
1-32-P	8.04	8.04	362	0	6479	17.921
1-33-P	8.04	8.04	275	-3	6479	23.542
1-34-P	8.04	8.04	181	-140	-6479	28.646
1-35-P	8.04	8.04	156	-517	-6479	6.570
1-36-P	8.04	8.04	181	-140	-6479	28.646
1-37-P	8.04	8.04	275	-3	6479	23.542
1-38-P	8.04	8.04	362	0	6479	17.921
1-39-P	8.04	8.04	382	0	6479	16.955
1-40-P	8.04	8.04	362	0	6479	17.921
1-41-P	8.04	8.04	275	-3	6479	23.542
1-42-P	8.04	8.04	181	-140	-6479	28.646
1-43-P	8.04	8.04	156	-517	-6479	6.570
1-44-P	8.04	8.04	181	-140	-6479	28.646
1-45-P	8.04	8.04	275	-3	6479	23.542
1-46-P	8.04	8.04	362	0	6479	17.921
1-47-P	8.04	8.04	382	0	6479	16.955
1-48-P	8.04	8.04	362	0	6479	17.921
1-49-P	8.04	8.04	275	-3	6479	23.542
1-50-P	8.04	8.04	181	-140	-6479	28.646
1-51-P	8.04	8.04	156	-517	-6479	6.570
1-52-P	8.04	8.04	181	-140	-6479	28.646
1-53-P	8.04	8.04	275	-3	6479	23.542
1-54-P	8.04	8.04	362	0	6479	17.921
1-55-P	8.04	8.04	382	0	6479	16.955
1-56-P	8.04	8.04	362	0	6479	17.921
1-57-P	8.04	8.04	275	-3	6479	23.542
1-58-P	8.04	8.04	181	-140	-6479	28.646
1-59-P	8.04	8.04	156	-517	-6479	6.570
1-60-P	8.04	8.04	181	-140	-6479	28.646
1-61-P	8.04	8.04	275	-3	6479	23.542
1-62-P	8.04	8.04	362	0	6479	17.921
1-63-P	8.04	8.04	382	0	6479	16.955
1-64-P	8.04	8.04	362	0	6479	17.921
1-65-P	8.04	8.04	275	-3	6479	23.542
1-66-P	8.04	8.04	181	-140	-6479	28.646
1-67-P	8.04	8.04	156	-517	-6479	6.570
1-68-P	8.04	8.04	181	-140	-6479	28.646
1-69-P	8.04	8.04	275	-3	6479	23.542
1-70-P	8.04	8.04	362	0	6479	17.921
1-71-P	8.04	8.04	382	0	6479	16.955
1-72-P	8.04	8.04	362	0	6479	17.921
1-73-P	8.04	8.04	275	-3	6479	23.542
1-74-P	8.04	8.04	181	-140	-6479	28.646
1-75-P	8.04	8.04	156	-517	-6479	6.570
1-76-P	8.04	8.04	181	-140	-6479	28.647
1-77-P	8.04	8.04	275	-3	6479	23.541
1-78-P	8.04	8.04	362	0	6479	17.920
1-79-P	8.04	8.04	382	0	6479	16.953
1-80-P	8.04	8.04	362	0	6479	17.918
1-81-P	8.04	8.04	275	-3	6479	23.535
1-82-P	8.04	8.04	181	-140	-6479	28.649
1-83-P	8.04	8.04	156	-517	-6479	6.570
1-84-P	8.04	8.04	181	-140	-6479	28.626
1-85-P	8.04	8.04	275	-3	6479	23.571
1-86-P	8.04	8.04	360	0	6479	17.980
1-87-P	8.04	8.04	379	0	6479	17.080
1-88-P	8.04	8.04	356	0	6479	18.221
1-89-P	8.04	8.04	264	-3	6479	24.570
1-90-P	8.04	8.04	169	-149	-6479	26.836
1-91-P	8.04	8.04	145	-544	-6479	6.234
1-92-P	8.04	8.04	172	-195	-6479	22.100
1-93-P	8.04	8.04	211	-43	6479	30.728

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-94-P	8.04	8.04	225	-17	6479	28.778
1-95-P	8.04	8.04	182	-7	6479	35.560
1-96-P	8.04	8.04	133	-12	6479	48.874
1-97-P	8.04	8.04	84	-13	6479	62.026
1-98-P	8.04	8.04	49	-16	6479	100.000
1-99-P	8.04	8.04	26	-20	6479	100.000
1-100-P	8.04	8.04	12	-19	6479	100.000
1-101-P	8.04	8.04	5	-13	6479	100.000
3-1-S	8.04	8.04	15	-1	6527	100.000
3-2-S	8.04	8.04	19	-14	6527	100.000
3-3-S	8.04	8.04	12	-50	6527	100.000
3-4-S	8.04	8.04	1	-140	-6527	46.711
3-5-S	8.04	8.04	0	-314	-6527	20.808
4-1-S	8.04	8.04	88	-43	6527	73.975
4-2-S	8.04	8.04	140	-30	6527	46.570
4-3-S	8.04	8.04	207	-14	6527	31.510
4-4-S	8.04	8.04	246	-12	6527	26.555
4-5-S	8.04	8.04	227	-45	6527	23.054
5-1-S	8.04	8.04	64	-170	-6527	38.329
5-2-S	8.04	8.04	204	-165	6527	22.818
5-3-S	8.04	8.04	810	-18	6527	8.055
5-4-S	8.04	8.04	1173	0	6527	5.565
5-5-S	8.04	8.04	1524	0	6527	4.283
6-1-S	6.03	6.03	103	-33	4970	48.268
6-2-S	6.03	6.03	292	-13	4970	17.000
6-3-S	6.03	6.03	584	-1	4970	8.509
6-4-S	6.03	6.03	904	0	4970	5.501
6-5-S	6.03	6.03	1105	0	4970	4.499
7-1-S	8.04	8.04	63	-119	-6527	46.972
7-2-S	8.04	8.04	215	-105	6527	21.732
7-3-S	8.04	8.04	843	-3	6527	7.745
7-4-S	8.04	8.04	1205	0	6527	5.417
7-5-S	8.04	8.04	1511	0	6527	4.321
8-1-S	8.04	8.04	88	-45	6527	59.318
8-2-S	8.04	8.04	304	-35	6527	21.479
8-3-S	8.04	8.04	626	-3	6527	10.424
8-4-S	8.04	8.04	998	0	6527	6.540
8-5-S	8.04	8.04	1241	0	6527	5.258
9-1-S	6.03	6.03	79	-77	-4970	38.795
9-2-S	6.03	6.03	250	-46	4970	15.935
9-3-S	6.03	6.03	719	-4	4970	6.915
9-4-S	6.03	6.03	1087	0	4970	4.574
9-5-S	6.03	6.03	1359	0	4970	3.658
10-1-S	8.04	8.04	74	-87	-6527	59.834
10-2-S	8.04	8.04	258	-76	6527	20.276
10-3-S	8.04	8.04	760	-3	6527	8.585
10-4-S	8.04	8.04	1120	0	6527	5.827
10-5-S	8.04	8.04	1399	0	6527	4.665
11-1-S	8.04	8.04	93	-40	6527	69.884
11-2-S	8.04	8.04	314	-29	6527	20.786
11-3-S	8.04	8.04	605	-5	6527	10.784
11-4-S	8.04	8.04	973	0	6527	6.707
11-5-S	8.04	8.04	1205	0	6527	5.417
12-1-S	8.04	8.04	59	-124	-6527	41.995
12-2-S	8.04	8.04	193	-93	6527	20.326
12-3-S	8.04	8.04	860	-4	6527	7.586
12-4-S	8.04	8.04	1228	0	6527	5.315
12-5-S	8.04	8.04	1543	0	6527	4.231
13-1-S	6.03	6.03	108	-31	4970	46.058
13-2-S	6.03	6.03	294	-9	4970	16.902
13-3-S	6.03	6.03	590	0	4970	8.424
13-4-S	6.03	6.03	897	0	4970	5.541
13-5-S	6.03	6.03	1081	0	4970	4.598
14-1-S	8.04	8.04	48	-139	-6527	47.001
14-2-S	8.04	8.04	215	-128	6527	21.701
14-3-S	8.04	8.04	882	-6	6527	7.399
14-4-S	8.04	8.04	1292	0	6527	5.052
14-5-S	8.04	8.04	1645	0	6527	3.967
15-1-S	8.04	8.04	101	-11	6527	64.388
15-2-S	8.04	8.04	285	0	6527	22.925
15-3-S	8.04	8.04	582	0	6527	11.213
15-4-S	8.04	8.04	858	0	6527	7.607
15-5-S	8.04	8.04	1012	0	6527	6.449
16-1-S	6.03	6.03	48	-147	-4970	33.728
16-2-S	6.03	6.03	222	-137	4970	17.054
16-3-S	6.03	6.03	885	-7	4970	5.613
16-4-S	6.03	6.03	1315	0	4970	3.780
16-5-S	6.03	6.03	1682	0	4970	2.956
17-1-S	8.04	8.04	101	-11	6527	64.388
17-2-S	8.04	8.04	285	0	6527	22.925
17-3-S	8.04	8.04	582	0	6527	11.213
17-4-S	8.04	8.04	858	0	6527	7.607
17-5-S	8.04	8.04	1012	0	6527	6.449
18-1-S	8.04	8.04	48	-139	-6527	47.001
18-2-S	8.04	8.04	215	-128	6527	21.701
18-3-S	8.04	8.04	882	-6	6527	7.399
18-4-S	8.04	8.04	1292	0	6527	5.052
18-5-S	8.04	8.04	1645	0	6527	3.967
19-1-S	6.03	6.03	108	-31	4970	46.058
19-2-S	6.03	6.03	294	-9	4970	16.902
19-3-S	6.03	6.03	590	0	4970	8.424
19-4-S	6.03	6.03	897	0	4970	5.541
19-5-S	6.03	6.03	1081	0	4970	4.598

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
20-1-S	8.04	8.04	59	-124	-6527	41.995
20-2-S	8.04	8.04	193	-93	6527	20.326
20-3-S	8.04	8.04	860	-4	6527	7.586
20-4-S	8.04	8.04	1228	0	6527	5.315
20-5-S	8.04	8.04	1543	0	6527	4.231
21-1-S	8.04	8.04	93	-40	6527	69.884
21-2-S	8.04	8.04	314	-29	6527	20.786
21-3-S	8.04	8.04	605	-5	6527	10.784
21-4-S	8.04	8.04	973	0	6527	6.707
21-5-S	8.04	8.04	1205	0	6527	5.417
22-1-S	8.04	8.04	74	-87	-6527	59.834
22-2-S	8.04	8.04	258	-76	6527	20.276
22-3-S	8.04	8.04	760	-3	6527	8.585
22-4-S	8.04	8.04	1120	0	6527	5.827
22-5-S	8.04	8.04	1399	0	6527	4.665
23-1-S	6.03	6.03	79	-77	-4970	38.795
23-2-S	6.03	6.03	250	-46	4970	15.935
23-3-S	6.03	6.03	719	-4	4970	6.915
23-4-S	6.03	6.03	1087	0	4970	4.574
23-5-S	6.03	6.03	1359	0	4970	3.658
24-1-S	8.04	8.04	88	-45	6527	59.318
24-2-S	8.04	8.04	304	-35	6527	21.479
24-3-S	8.04	8.04	626	-3	6527	10.424
24-4-S	8.04	8.04	998	0	6527	6.540
24-5-S	8.04	8.04	1241	0	6527	5.258
25-1-S	8.04	8.04	63	-119	-6527	46.972
25-2-S	8.04	8.04	215	-105	6527	21.732
25-3-S	8.04	8.04	843	-3	6527	7.745
25-4-S	8.04	8.04	1205	0	6527	5.417
25-5-S	8.04	8.04	1511	0	6527	4.321
26-1-S	6.03	6.03	103	-33	4970	48.268
26-2-S	6.03	6.03	292	-13	4970	17.000
26-3-S	6.03	6.03	584	-1	4970	8.509
26-4-S	6.03	6.03	904	0	4970	5.501
26-5-S	6.03	6.03	1105	0	4970	4.499
27-1-S	8.04	8.04	64	-170	-6527	38.329
27-2-S	8.04	8.04	204	-165	6527	22.818
27-3-S	8.04	8.04	810	-18	6527	8.055
27-4-S	8.04	8.04	1173	0	6527	5.565
27-5-S	8.04	8.04	1524	0	6527	4.283
28-1-S	8.04	8.04	88	-43	6527	73.975
28-2-S	8.04	8.04	140	-30	6527	46.570
28-3-S	8.04	8.04	207	-14	6527	31.510
28-4-S	8.04	8.04	246	-12	6527	26.555
28-5-S	8.04	8.04	227	-45	6527	23.054
29-1-S	8.04	8.04	15	-1	6527	100.000
29-2-S	8.04	8.04	19	-14	6527	100.000
29-3-S	8.04	8.04	12	-50	6527	100.000
29-4-S	8.04	8.04	1	-140	-6527	46.711
29-5-S	8.04	8.04	0	-314	-6527	20.808

## Combinazione n° 10 - STR (A1-M1-R3)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	4	-14	6479	100.000
1-2-P	8.04	8.04	11	-22	6479	100.000
1-3-P	8.04	8.04	24	-24	6479	100.000
1-4-P	8.04	8.04	43	-19	6479	100.000
1-5-P	8.04	8.04	77	-17	6479	67.497
1-6-P	8.04	8.04	124	-16	6479	52.342
1-7-P	8.04	8.04	170	-8	6479	38.193
1-8-P	8.04	8.04	213	-15	6479	30.347
1-9-P	8.04	8.04	202	-39	6479	32.151
1-10-P	8.04	8.04	142	-182	-6479	23.791
1-11-P	8.04	8.04	100	-596	-6479	6.726
1-12-P	8.04	8.04	139	-138	-6479	29.071
1-13-P	8.04	8.04	252	-2	6479	25.718
1-14-P	8.04	8.04	338	0	6479	19.153
1-15-P	8.04	8.04	359	0	6479	18.050
1-16-P	8.04	8.04	343	0	6479	18.911
1-17-P	8.04	8.04	262	-2	6479	24.716
1-18-P	8.04	8.04	150	-129	-6479	31.151
1-19-P	8.04	8.04	108	-569	-6479	6.509
1-20-P	8.04	8.04	150	-129	-6479	31.173
1-21-P	8.04	8.04	262	-2	6479	24.682
1-22-P	8.04	8.04	344	0	6479	18.852
1-23-P	8.04	8.04	361	0	6479	17.925
1-24-P	8.04	8.04	344	0	6479	18.853
1-25-P	8.04	8.04	262	-2	6479	24.688
1-26-P	8.04	8.04	150	-129	-6479	31.169
1-27-P	8.04	8.04	108	-569	-6479	6.509
1-28-P	8.04	8.04	150	-129	-6479	31.168
1-29-P	8.04	8.04	262	-2	6479	24.689
1-30-P	8.04	8.04	344	0	6479	18.855
1-31-P	8.04	8.04	361	0	6479	17.927
1-32-P	8.04	8.04	344	0	6479	18.855
1-33-P	8.04	8.04	262	-2	6479	24.689
1-34-P	8.04	8.04	150	-129	-6479	31.168
1-35-P	8.04	8.04	108	-569	-6479	6.509
1-36-P	8.04	8.04	150	-129	-6479	31.168
1-37-P	8.04	8.04	262	-2	6479	24.689

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-38-P	8.04	8.04	344	0	6479	18.855
1-39-P	8.04	8.04	361	0	6479	17.927
1-40-P	8.04	8.04	344	0	6479	18.855
1-41-P	8.04	8.04	262	-2	6479	24.689
1-42-P	8.04	8.04	150	-129	-6479	31.168
1-43-P	8.04	8.04	108	-569	-6479	6.509
1-44-P	8.04	8.04	150	-129	-6479	31.168
1-45-P	8.04	8.04	262	-2	6479	24.689
1-46-P	8.04	8.04	344	0	6479	18.855
1-47-P	8.04	8.04	361	0	6479	17.927
1-48-P	8.04	8.04	344	0	6479	18.855
1-49-P	8.04	8.04	262	-2	6479	24.689
1-50-P	8.04	8.04	150	-129	-6479	31.168
1-51-P	8.04	8.04	108	-569	-6479	6.509
1-52-P	8.04	8.04	150	-129	-6479	31.168
1-53-P	8.04	8.04	262	-2	6479	24.689
1-54-P	8.04	8.04	344	0	6479	18.855
1-55-P	8.04	8.04	361	0	6479	17.927
1-56-P	8.04	8.04	344	0	6479	18.855
1-57-P	8.04	8.04	262	-2	6479	24.689
1-58-P	8.04	8.04	150	-129	-6479	31.168
1-59-P	8.04	8.04	108	-569	-6479	6.509
1-60-P	8.04	8.04	150	-129	-6479	31.168
1-61-P	8.04	8.04	262	-2	6479	24.689
1-62-P	8.04	8.04	344	0	6479	18.855
1-63-P	8.04	8.04	361	0	6479	17.927
1-64-P	8.04	8.04	344	0	6479	18.855
1-65-P	8.04	8.04	262	-2	6479	24.689
1-66-P	8.04	8.04	150	-129	-6479	31.168
1-67-P	8.04	8.04	108	-569	-6479	6.509
1-68-P	8.04	8.04	150	-129	-6479	31.168
1-69-P	8.04	8.04	262	-2	6479	24.689
1-70-P	8.04	8.04	344	0	6479	18.855
1-71-P	8.04	8.04	361	0	6479	17.927
1-72-P	8.04	8.04	344	0	6479	18.855
1-73-P	8.04	8.04	262	-2	6479	24.689
1-74-P	8.04	8.04	150	-129	-6479	31.168
1-75-P	8.04	8.04	108	-569	-6479	6.509
1-76-P	8.04	8.04	150	-129	-6479	31.169
1-77-P	8.04	8.04	262	-2	6479	24.688
1-78-P	8.04	8.04	344	0	6479	18.853
1-79-P	8.04	8.04	361	0	6479	17.925
1-80-P	8.04	8.04	344	0	6479	18.852
1-81-P	8.04	8.04	262	-2	6479	24.682
1-82-P	8.04	8.04	150	-129	-6479	31.173
1-83-P	8.04	8.04	108	-569	-6479	6.509
1-84-P	8.04	8.04	150	-129	-6479	31.151
1-85-P	8.04	8.04	262	-2	6479	24.716
1-86-P	8.04	8.04	343	0	6479	18.911
1-87-P	8.04	8.04	359	0	6479	18.050
1-88-P	8.04	8.04	338	0	6479	19.153
1-89-P	8.04	8.04	252	-2	6479	25.718
1-90-P	8.04	8.04	139	-138	-6479	29.071
1-91-P	8.04	8.04	100	-596	-6479	6.726
1-92-P	8.04	8.04	142	-182	-6479	23.791
1-93-P	8.04	8.04	202	-39	6479	32.151
1-94-P	8.04	8.04	213	-15	6479	30.347
1-95-P	8.04	8.04	170	-8	6479	38.193
1-96-P	8.04	8.04	124	-16	6479	52.342
1-97-P	8.04	8.04	77	-17	6479	67.497
1-98-P	8.04	8.04	43	-19	6479	100.000
1-99-P	8.04	8.04	24	-24	6479	100.000
1-100-P	8.04	8.04	11	-22	6479	100.000
1-101-P	8.04	8.04	4	-14	6479	100.000
3-1-S	8.04	8.04	14	-1	6527	100.000
3-2-S	8.04	8.04	15	-18	6527	100.000
3-3-S	8.04	8.04	8	-64	6527	100.000
3-4-S	8.04	8.04	0	-176	-6527	37.156
3-5-S	8.04	8.04	0	-375	-6527	17.412
4-1-S	8.04	8.04	79	-40	6527	82.233
4-2-S	8.04	8.04	124	-31	6527	52.777
4-3-S	8.04	8.04	177	-20	6527	36.948
4-4-S	8.04	8.04	197	-23	6527	33.183
4-5-S	8.04	8.04	171	-78	6527	22.911
5-1-S	8.04	8.04	45	-129	-6527	50.695
5-2-S	8.04	8.04	136	-237	-6527	27.492
5-3-S	8.04	8.04	572	-24	6527	11.402
5-4-S	8.04	8.04	1031	0	6527	6.334
5-5-S	8.04	8.04	1495	0	6527	4.366
6-1-S	6.03	6.03	79	-28	4970	62.596
6-2-S	6.03	6.03	243	-12	4970	20.446
6-3-S	6.03	6.03	501	-1	4970	9.915
6-4-S	6.03	6.03	800	0	4970	6.216
6-5-S	6.03	6.03	994	0	4970	5.002
7-1-S	8.04	8.04	43	-77	-6527	68.574
7-2-S	8.04	8.04	157	-174	-6527	24.992
7-3-S	8.04	8.04	622	-5	6527	10.487
7-4-S	8.04	8.04	1063	0	6527	6.141
7-5-S	8.04	8.04	1455	0	6527	4.485
8-1-S	8.04	8.04	70	-52	6527	74.419
8-2-S	8.04	8.04	234	-31	6527	27.911
8-3-S	8.04	8.04	518	-5	6527	12.592
8-4-S	8.04	8.04	883	0	6527	7.388

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
8-5-S	8.04	8.04	1147	0	6527	5.690
9-1-S	6.03	6.03	55	-57	-4970	52.057
9-2-S	6.03	6.03	198	-85	4970	20.127
9-3-S	6.03	6.03	564	-6	4970	8.812
9-4-S	6.03	6.03	961	0	4970	5.174
9-5-S	6.03	6.03	1281	0	4970	3.879
10-1-S	8.04	8.04	53	-67	6527	73.773
10-2-S	8.04	8.04	200	-118	6527	26.162
10-3-S	8.04	8.04	584	-5	6527	11.176
10-4-S	8.04	8.04	989	0	6527	6.598
10-5-S	8.04	8.04	1328	0	6527	4.916
11-1-S	8.04	8.04	71	-46	6527	73.466
11-2-S	8.04	8.04	250	-24	6527	26.095
11-3-S	8.04	8.04	509	-6	6527	12.812
11-4-S	8.04	8.04	862	0	6527	7.576
11-5-S	8.04	8.04	1106	0	6527	5.903
12-1-S	8.04	8.04	37	-78	-6527	66.920
12-2-S	8.04	8.04	147	-180	-6527	21.814
12-3-S	8.04	8.04	630	-6	6527	10.363
12-4-S	8.04	8.04	1083	0	6527	6.027
12-5-S	8.04	8.04	1492	0	6527	4.374
13-1-S	6.03	6.03	87	-27	4970	56.849
13-2-S	6.03	6.03	248	-8	4970	20.072
13-3-S	6.03	6.03	509	0	4970	9.770
13-4-S	6.03	6.03	793	0	4970	6.265
13-5-S	6.03	6.03	965	0	4970	5.149
14-1-S	8.04	8.04	28	-100	-6527	65.056
14-2-S	8.04	8.04	139	-199	-6527	28.132
14-3-S	8.04	8.04	634	-10	6527	10.297
14-4-S	8.04	8.04	1140	0	6527	5.727
14-5-S	8.04	8.04	1610	0	6527	4.054
15-1-S	8.04	8.04	86	-8	6527	75.631
15-2-S	8.04	8.04	247	0	6527	26.464
15-3-S	8.04	8.04	510	0	6527	12.811
15-4-S	8.04	8.04	758	0	6527	8.606
15-5-S	8.04	8.04	888	0	6527	7.350
16-1-S	6.03	6.03	23	-109	-4970	45.713
16-2-S	6.03	6.03	139	-206	4970	23.769
16-3-S	6.03	6.03	631	-10	4970	7.872
16-4-S	6.03	6.03	1160	0	4970	4.285
16-5-S	6.03	6.03	1652	0	4970	3.008
17-1-S	8.04	8.04	86	-8	6527	75.631
17-2-S	8.04	8.04	247	0	6527	26.464
17-3-S	8.04	8.04	510	0	6527	12.811
17-4-S	8.04	8.04	758	0	6527	8.606
17-5-S	8.04	8.04	888	0	6527	7.350
18-1-S	8.04	8.04	28	-100	-6527	65.056
18-2-S	8.04	8.04	139	-199	-6527	28.132
18-3-S	8.04	8.04	634	-10	6527	10.297
18-4-S	8.04	8.04	1140	0	6527	5.727
18-5-S	8.04	8.04	1610	0	6527	4.054
19-1-S	6.03	6.03	87	-27	4970	56.849
19-2-S	6.03	6.03	248	-8	4970	20.072
19-3-S	6.03	6.03	509	0	4970	9.770
19-4-S	6.03	6.03	793	0	4970	6.265
19-5-S	6.03	6.03	965	0	4970	5.149
20-1-S	8.04	8.04	37	-78	-6527	66.920
20-2-S	8.04	8.04	147	-180	-6527	21.814
20-3-S	8.04	8.04	630	-6	6527	10.363
20-4-S	8.04	8.04	1083	0	6527	6.027
20-5-S	8.04	8.04	1492	0	6527	4.374
21-1-S	8.04	8.04	71	-46	6527	73.466
21-2-S	8.04	8.04	250	-24	6527	26.095
21-3-S	8.04	8.04	509	-6	6527	12.812
21-4-S	8.04	8.04	862	0	6527	7.576
21-5-S	8.04	8.04	1106	0	6527	5.903
22-1-S	8.04	8.04	53	-67	6527	73.773
22-2-S	8.04	8.04	200	-118	6527	26.162
22-3-S	8.04	8.04	584	-5	6527	11.176
22-4-S	8.04	8.04	989	0	6527	6.598
22-5-S	8.04	8.04	1328	0	6527	4.916
23-1-S	6.03	6.03	55	-57	-4970	52.057
23-2-S	6.03	6.03	198	-85	4970	20.127
23-3-S	6.03	6.03	564	-6	4970	8.812
23-4-S	6.03	6.03	961	0	4970	5.174
23-5-S	6.03	6.03	1281	0	4970	3.879
24-1-S	8.04	8.04	70	-52	6527	74.419
24-2-S	8.04	8.04	234	-31	6527	27.911
24-3-S	8.04	8.04	518	-5	6527	12.592
24-4-S	8.04	8.04	883	0	6527	7.388
24-5-S	8.04	8.04	1147	0	6527	5.690
25-1-S	8.04	8.04	43	-77	-6527	68.574
25-2-S	8.04	8.04	157	-174	-6527	24.992
25-3-S	8.04	8.04	622	-5	6527	10.487
25-4-S	8.04	8.04	1063	0	6527	6.141
25-5-S	8.04	8.04	1455	0	6527	4.485
26-1-S	6.03	6.03	79	-28	4970	62.596
26-2-S	6.03	6.03	243	-12	4970	20.446
26-3-S	6.03	6.03	501	-1	4970	9.915
26-4-S	6.03	6.03	800	0	4970	6.216
26-5-S	6.03	6.03	994	0	4970	5.002
27-1-S	8.04	8.04	45	-129	-6527	50.695
27-2-S	8.04	8.04	136	-237	-6527	27.492

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
27-3-S	8.04	8.04	572	-24	6527	11.402
27-4-S	8.04	8.04	1031	0	6527	6.334
27-5-S	8.04	8.04	1495	0	6527	4.366
28-1-S	8.04	8.04	79	-40	6527	82.233
28-2-S	8.04	8.04	124	-31	6527	52.777
28-3-S	8.04	8.04	177	-20	6527	36.948
28-4-S	8.04	8.04	197	-23	6527	33.183
28-5-S	8.04	8.04	171	-78	6527	22.911
29-1-S	8.04	8.04	14	-1	6527	100.000
29-2-S	8.04	8.04	15	-18	6527	100.000
29-3-S	8.04	8.04	8	-64	6527	100.000
29-4-S	8.04	8.04	0	-176	-6527	37.156
29-5-S	8.04	8.04	0	-375	-6527	17.412

## Micropali

### Combinazione n° 1 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	418	4269	3682	37593	8.806

### Combinazione n° 2 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	5	32.77	1807	4303	3989	9497	2.207

### Combinazione n° 3 - STR (A1-M1-R3) H + V

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	1579	4544	3972	11427	2.515

### Combinazione n° 4 - STR (A1-M1-R3) H - V

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	1361	4095	3967	11936	2.915

### Combinazione n° 5 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	968	5545	3875	22207	4.005

### Combinazione n° 6 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	456	4523	3697	36648	8.103

### Combinazione n° 7 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	1	32.77	929	5292	3876	22066	4.170

### Combinazione n° 8 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	6	32.77	1359	5587	3929	16149	2.890

### Combinazione n° 9 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	5	32.77	1774	4556	3983	10231	2.246

### Combinazione n° 10 - STR (A1-M1-R3)

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	6	32.77	1389	5334	3939	15119	2.835



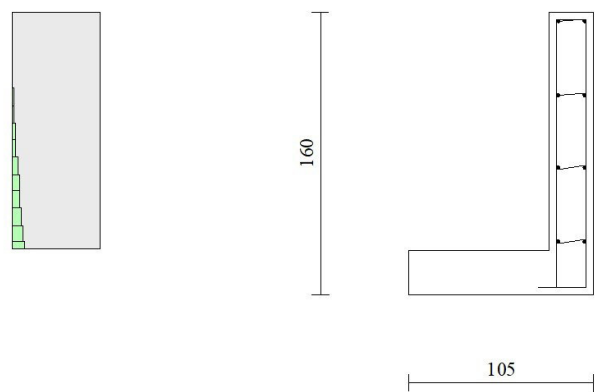


Fig. 15 - Paramento (Inviluppo)

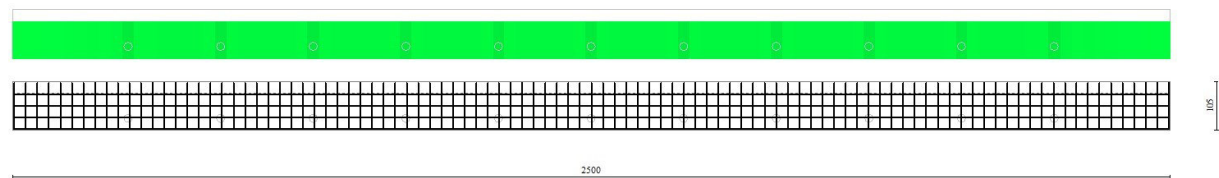


Fig. 16 - Piastra fondazione dir. X (Inviluppo)

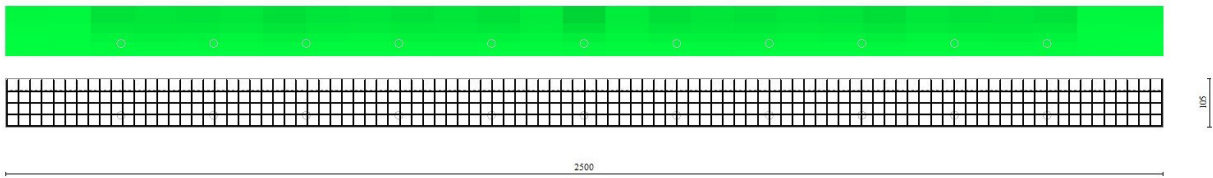


Fig. 17 - Piastra fondazione dir. Y (Inviluppo)

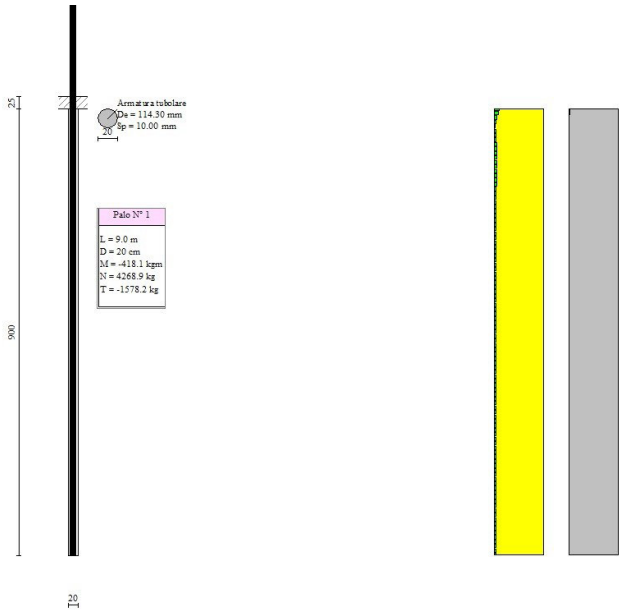


Fig. 18 - Pali (Palo n° 1) (Inviluppo)

Verifiche a taglio

Simbologia adottata

n° (o Is)	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espressa in [cm]
H	altezza sezione espressa in [cm]
Asw	area ferri a taglio espressa in [cmq]
cotgθ	inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
VRcd	resistenza di progetto a 'taglio compressione' espressa in [kg]
VRsd	resistenza di progetto a 'taglio trazione' espressa in [kg]
VRd	resistenza di progetto a taglio espressa in [kg]. Per elementi con armature trasversali resistenti al taglio (Asw>0.0) VRd=min(VRcd, VRsd).
T	taglio agente espressa in [kg]
FS	fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

**Paramento****Combinazione n° 1 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13035	48	271.447
3	-0.19	100	25	0.00	0.00	--	0	0	13043	96	135.806
4	-0.29	100	25	0.00	0.00	--	0	0	13051	144	90.593
5	-0.39	100	25	0.00	0.00	--	0	0	13059	192	67.986
6	-0.48	100	25	0.00	0.00	--	0	0	13067	240	54.422
7	-0.58	100	25	0.00	0.00	--	0	0	13075	288	45.379
8	-0.68	100	25	0.00	0.00	--	0	0	13083	336	38.920
9	-0.77	100	25	0.00	0.00	--	0	0	13091	384	34.076
10	-0.87	100	25	0.00	0.00	--	0	0	13099	432	30.305
11	-0.96	100	25	0.00	0.00	--	0	0	13107	480	27.285
12	-1.06	100	25	0.00	0.00	--	0	0	13115	529	24.791
13	-1.16	100	25	0.00	0.00	--	0	0	13123	579	22.678
14	-1.25	100	25	0.00	0.00	--	0	0	13131	629	20.867
15	-1.34	100	25	0.00	0.00	--	0	0	13139	681	19.298

**Combinazione n° 2 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13035	104	125.167
3	-0.19	100	25	0.00	0.00	--	0	0	13043	208	62.622
4	-0.29	100	25	0.00	0.00	--	0	0	13051	312	41.773
5	-0.39	100	25	0.00	0.00	--	0	0	13059	417	31.349
6	-0.48	100	25	0.00	0.00	--	0	0	13067	521	25.095
7	-0.58	100	25	0.00	0.00	--	0	0	13075	625	20.925
8	-0.68	100	25	0.00	0.00	--	0	0	13083	729	17.946
9	-0.77	100	25	0.00	0.00	--	0	0	13091	833	15.713
10	-0.87	100	25	0.00	0.00	--	0	0	13099	937	13.975
11	-0.96	100	25	0.00	0.00	--	0	0	13107	1042	12.584
12	-1.06	100	25	0.00	0.00	--	0	0	13115	1146	11.440
13	-1.16	100	25	0.00	0.00	--	0	0	13123	1252	10.480
14	-1.25	100	25	0.00	0.00	--	0	0	13131	1359	9.663
15	-1.34	100	25	0.00	0.00	--	0	0	13139	1467	8.959

**Combinazione n° 3 - STR (A1-M1-R3) H + V**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13036	8	1585.123
3	-0.19	100	25	0.00	0.00	--	0	0	13044	17	760.168
4	-0.29	100	25	0.00	0.00	--	0	0	13053	27	486.904
5	-0.39	100	25	0.00	0.00	--	0	0	13061	37	351.414
6	-0.48	100	25	0.00	0.00	--	0	0	13070	48	270.933
7	-0.58	100	25	0.00	0.00	--	0	0	13078	60	217.884
8	-0.68	100	25	0.00	0.00	--	0	0	13087	73	180.457
9	-0.77	100	25	0.00	0.00	--	0	0	13095	86	152.752
10	-0.87	100	25	0.00	0.00	--	0	0	13104	100	131.499
11	-0.96	100	25	0.00	0.00	--	0	0	13112	114	114.736
12	-1.06	100	25	0.00	0.00	--	0	0	13121	130	101.220
13	-1.16	100	25	0.00	0.00	--	0	0	13129	146	90.122
14	-1.25	100	25	0.00	0.00	--	0	0	13137	163	80.752
15	-1.34	100	25	0.00	0.00	--	0	0	13146	181	72.673

**Combinazione n° 4 - STR (A1-M1-R3) H - V**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13035	8	1587.950
3	-0.19	100	25	0.00	0.00	--	0	0	13042	17	762.766
4	-0.29	100	25	0.00	0.00	--	0	0	13050	27	489.300
5	-0.39	100	25	0.00	0.00	--	0	0	13057	37	353.631
6	-0.48	100	25	0.00	0.00	--	0	0	13064	48	272.989
7	-0.58	100	25	0.00	0.00	--	0	0	13072	59	219.796
8	-0.68	100	25	0.00	0.00	--	0	0	13079	72	182.239
9	-0.77	100	25	0.00	0.00	--	0	0	13087	85	154.418
10	-0.87	100	25	0.00	0.00	--	0	0	13094	98	133.059
11	-0.96	100	25	0.00	0.00	--	0	0	13102	113	116.200
12	-1.06	100	25	0.00	0.00	--	0	0	13109	128	102.596
13	-1.16	100	25	0.00	0.00	--	0	0	13117	143	91.418
14	-1.25	100	25	0.00	0.00	--	0	0	13124	160	81.971
15	-1.34	100	25	0.00	0.00	--	0	0	13131	178	73.815

**Combinazione n° 5 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13038	48	271.497
3	-0.19	100	25	0.00	0.00	--	0	0	13048	96	135.856
4	-0.29	100	25	0.00	0.00	--	0	0	13058	144	90.642

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
5	-0.39	100	25	0.00	0.00	--	0	0	13069	192	68.036
6	-0.48	100	25	0.00	0.00	--	0	0	13079	240	54.472
7	-0.58	100	25	0.00	0.00	--	0	0	13089	288	45.429
8	-0.68	100	25	0.00	0.00	--	0	0	13100	336	38.970
9	-0.77	100	25	0.00	0.00	--	0	0	13110	384	34.126
10	-0.87	100	25	0.00	0.00	--	0	0	13120	432	30.355
11	-0.96	100	25	0.00	0.00	--	0	0	13131	480	27.335
12	-1.06	100	25	0.00	0.00	--	0	0	13141	529	24.840
13	-1.16	100	25	0.00	0.00	--	0	0	13151	579	22.727
14	-1.25	100	25	0.00	0.00	--	0	0	13162	629	20.916
15	-1.34	100	25	0.00	0.00	--	0	0	13172	681	19.347

**Combinazione n° 6 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13035	48	271.447
3	-0.19	100	25	0.00	0.00	--	0	0	13043	96	135.806
4	-0.29	100	25	0.00	0.00	--	0	0	13051	144	90.593
5	-0.39	100	25	0.00	0.00	--	0	0	13059	192	67.986
6	-0.48	100	25	0.00	0.00	--	0	0	13067	240	54.422
7	-0.58	100	25	0.00	0.00	--	0	0	13075	288	45.379
8	-0.68	100	25	0.00	0.00	--	0	0	13083	336	38.920
9	-0.77	100	25	0.00	0.00	--	0	0	13091	384	34.076
10	-0.87	100	25	0.00	0.00	--	0	0	13099	432	30.305
11	-0.96	100	25	0.00	0.00	--	0	0	13107	480	27.285
12	-1.06	100	25	0.00	0.00	--	0	0	13115	529	24.791
13	-1.16	100	25	0.00	0.00	--	0	0	13123	579	22.678
14	-1.25	100	25	0.00	0.00	--	0	0	13131	629	20.867
15	-1.34	100	25	0.00	0.00	--	0	0	13139	681	19.298

**Combinazione n° 7 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13038	48	271.497
3	-0.19	100	25	0.00	0.00	--	0	0	13048	96	135.856
4	-0.29	100	25	0.00	0.00	--	0	0	13058	144	90.642
5	-0.39	100	25	0.00	0.00	--	0	0	13069	192	68.036
6	-0.48	100	25	0.00	0.00	--	0	0	13079	240	54.472
7	-0.58	100	25	0.00	0.00	--	0	0	13089	288	45.429
8	-0.68	100	25	0.00	0.00	--	0	0	13100	336	38.970
9	-0.77	100	25	0.00	0.00	--	0	0	13110	384	34.126
10	-0.87	100	25	0.00	0.00	--	0	0	13120	432	30.355
11	-0.96	100	25	0.00	0.00	--	0	0	13131	480	27.335
12	-1.06	100	25	0.00	0.00	--	0	0	13141	529	24.840
13	-1.16	100	25	0.00	0.00	--	0	0	13151	579	22.727
14	-1.25	100	25	0.00	0.00	--	0	0	13162	629	20.916
15	-1.34	100	25	0.00	0.00	--	0	0	13172	681	19.347

**Combinazione n° 8 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13038	104	125.190
3	-0.19	100	25	0.00	0.00	--	0	0	13048	208	62.645
4	-0.29	100	25	0.00	0.00	--	0	0	13058	312	41.796
5	-0.39	100	25	0.00	0.00	--	0	0	13069	417	31.372
6	-0.48	100	25	0.00	0.00	--	0	0	13079	521	25.117
7	-0.58	100	25	0.00	0.00	--	0	0	13089	625	20.948
8	-0.68	100	25	0.00	0.00	--	0	0	13100	729	17.969
9	-0.77	100	25	0.00	0.00	--	0	0	13110	833	15.736
10	-0.87	100	25	0.00	0.00	--	0	0	13120	937	13.998
11	-0.96	100	25	0.00	0.00	--	0	0	13131	1042	12.607
12	-1.06	100	25	0.00	0.00	--	0	0	13141	1146	11.463
13	-1.16	100	25	0.00	0.00	--	0	0	13151	1252	10.503
14	-1.25	100	25	0.00	0.00	--	0	0	13162	1359	9.686
15	-1.34	100	25	0.00	0.00	--	0	0	13172	1467	8.982

**Combinazione n° 9 - STR (A1-M1-R3)**

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13035	104	125.167
3	-0.19	100	25	0.00	0.00	--	0	0	13043	208	62.622
4	-0.29	100	25	0.00	0.00	--	0	0	13051	312	41.773
5	-0.39	100	25	0.00	0.00	--	0	0	13059	417	31.349
6	-0.48	100	25	0.00	0.00	--	0	0	13067	521	25.095
7	-0.58	100	25	0.00	0.00	--	0	0	13075	625	20.925
8	-0.68	100	25	0.00	0.00	--	0	0	13083	729	17.946
9	-0.77	100	25	0.00	0.00	--	0	0	13091	833	15.713
10	-0.87	100	25	0.00	0.00	--	0	0	13099	937	13.975
11	-0.96	100	25	0.00	0.00	--	0	0	13107	1042	12.584
12	-1.06	100	25	0.00	0.00	--	0	0	13115	1146	11.440
13	-1.16	100	25	0.00	0.00	--	0	0	13123	1252	10.480

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
14	-1.25	100	25	0.00	0.00	--	0	0	13131	1359	9.663
15	-1.34	100	25	0.00	0.00	--	0	0	13139	1467	8.959

Combinazione n° 10 - STR (A1-M1-R3)

n°	Y [m]	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	s [cm]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	0.00	100	25	0.00	0.00	--	0	0	13027	0	100.000
2	-0.10	100	25	0.00	0.00	--	0	0	13038	104	125.190
3	-0.19	100	25	0.00	0.00	--	0	0	13048	208	62.645
4	-0.29	100	25	0.00	0.00	--	0	0	13058	312	41.796
5	-0.39	100	25	0.00	0.00	--	0	0	13069	417	31.372
6	-0.48	100	25	0.00	0.00	--	0	0	13079	521	25.117
7	-0.58	100	25	0.00	0.00	--	0	0	13089	625	20.948
8	-0.68	100	25	0.00	0.00	--	0	0	13100	729	17.969
9	-0.77	100	25	0.00	0.00	--	0	0	13110	833	15.736
10	-0.87	100	25	0.00	0.00	--	0	0	13120	937	13.998
11	-0.96	100	25	0.00	0.00	--	0	0	13131	1042	12.607
12	-1.06	100	25	0.00	0.00	--	0	0	13141	1146	11.463
13	-1.16	100	25	0.00	0.00	--	0	0	13151	1252	10.503
14	-1.25	100	25	0.00	0.00	--	0	0	13162	1359	9.686
15	-1.34	100	25	0.00	0.00	--	0	0	13172	1467	8.982

**Fondazione**Combinazione n° 1 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 2 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314



Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 3 - STR (A1-M1-R3) H + V

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 4 - STR (A1-M1-R3) H - V

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 5 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099



Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 6 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

## Combinazione n° 7 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

## Combinazione n° 8 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402



Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

Combinazione n° 9 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

## Combinazione n° 10 - STR (A1-M1-R3)

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-2-P	80.00	25.00	0.00	2.000	0	0	8911	48	100.000
1-3-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-4-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-5-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-6-P	80.00	25.00	0.00	2.000	0	0	8911	340	26.215
1-7-P	80.00	25.00	0.00	2.000	0	0	8911	382	23.311
1-8-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-9-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-10-P	80.00	25.00	0.00	2.000	0	0	8911	1460	6.102
1-11-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-12-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-13-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-14-P	80.00	25.00	0.00	2.000	0	0	8911	562	15.845
1-15-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-16-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-17-P	80.00	25.00	0.00	2.000	0	0	8911	539	16.545
1-18-P	80.00	25.00	0.00	2.000	0	0	8911	1440	6.189
1-19-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-20-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-21-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-22-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-23-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-24-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-25-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-26-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-27-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-28-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-29-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-30-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.506
1-31-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-32-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-33-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-34-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-35-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-36-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-37-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-38-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-39-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-40-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-41-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-42-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-43-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-44-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-45-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-46-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-47-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-48-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-49-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-50-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-51-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-52-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-53-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-54-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-55-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-56-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-57-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-58-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-59-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-60-P	80.00	25.00	0.00	2.000	0	0	8911	102	87.507
1-61-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-62-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-63-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-64-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-65-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-66-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-67-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-68-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-69-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-70-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-71-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-72-P	80.00	25.00	0.00	2.000	0	0	8911	596	14.960
1-73-P	80.00	25.00	0.00	2.000	0	0	8911	2977	2.993
1-74-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.190
1-75-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-76-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.368
1-77-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.516
1-78-P	80.00	25.00	0.00	2.000	0	0	8911	544	16.369
1-79-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-80-P	80.00	25.00	0.00	2.000	0	0	8911	1368	6.515
1-81-P	80.00	25.00	0.00	2.000	0	0	8911	1439	6.191
1-82-P	80.00	25.00	0.00	2.000	0	0	8911	0	100.000
1-83-P	80.00	25.00	0.00	2.000	0	0	8911	2976	2.994
1-84-P	80.00	25.00	0.00	2.000	0	0	8911	1365	6.529
1-85-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-86-P	80.00	25.00	0.00	2.000	0	0	8911	1	100.000
1-87-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-88-P	80.00	25.00	0.00	2.000	0	0	8911	1396	6.385
1-89-P	80.00	25.00	0.00	2.000	0	0	8911	90	98.813
1-90-P	80.00	25.00	0.00	2.000	0	0	8911	3013	2.958
1-91-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-92-P	80.00	25.00	0.00	2.000	0	0	8911	1936	4.603
1-93-P	80.00	25.00	0.00	2.000	0	0	8911	1907	4.672
1-94-P	80.00	25.00	0.00	2.000	0	0	8911	642	13.878
1-95-P	80.00	25.00	0.00	2.000	0	0	8911	1143	7.797
1-96-P	80.00	25.00	0.00	2.000	0	0	8911	258	34.502
1-97-P	80.00	25.00	0.00	2.000	0	0	8911	174	51.314
1-98-P	80.00	25.00	0.00	2.000	0	0	8911	103	86.786
1-99-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-100-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
1-101-P	80.00	25.00	0.00	2.000	0	0	8911	42	100.000
3-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
3-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
3-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
4-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
4-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
4-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
5-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
5-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
5-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
5-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
6-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
6-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
6-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
7-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
7-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
7-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
8-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
8-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
8-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
9-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
9-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
9-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
10-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
10-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
10-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
11-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
11-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
11-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
12-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
12-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
12-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
13-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
13-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
13-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
14-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
14-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
14-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
15-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
15-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
16-1-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-2-S	92.59	25.00	0.00	2.000	0	0	9048	6109	1.481
16-3-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-4-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
16-5-S	92.59	25.00	0.00	2.000	0	0	9048	6908	1.310
17-1-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-2-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-3-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-4-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
17-5-S	92.59	25.00	0.00	2.000	0	0	9823	1059	9.279
18-1-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-2-S	92.59	25.00	0.00	2.000	0	0	9823	5999	1.637
18-3-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-4-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
18-5-S	92.59	25.00	0.00	2.000	0	0	9823	3227	3.044
19-1-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-2-S	92.59	25.00	0.00	2.000	0	0	9048	1275	7.095
19-3-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-4-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
19-5-S	92.59	25.00	0.00	2.000	0	0	9048	1200	7.542
20-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
20-3-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-4-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
20-5-S	92.59	25.00	0.00	2.000	0	0	9823	6026	1.630
21-1-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-2-S	92.59	25.00	0.00	2.000	0	0	9823	1708	5.751
21-3-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-4-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
21-5-S	92.59	25.00	0.00	2.000	0	0	9823	1875	5.239
22-1-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-2-S	92.59	25.00	0.00	2.000	0	0	9823	7583	1.295
22-3-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-4-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
22-5-S	92.59	25.00	0.00	2.000	0	0	9823	4888	2.010
23-1-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-2-S	92.59	25.00	0.00	2.000	0	0	9048	3767	2.402
23-3-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-4-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
23-5-S	92.59	25.00	0.00	2.000	0	0	9048	2363	3.830
24-1-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
24-2-S	92.59	25.00	0.00	2.000	0	0	9823	1699	5.781
24-3-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-4-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
24-5-S	92.59	25.00	0.00	2.000	0	0	9823	1997	4.919
25-1-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-2-S	92.59	25.00	0.00	2.000	0	0	9823	6461	1.520
25-3-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-4-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
25-5-S	92.59	25.00	0.00	2.000	0	0	9823	5639	1.742
26-1-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-2-S	92.59	25.00	0.00	2.000	0	0	9048	1366	6.623
26-3-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-4-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
26-5-S	92.59	25.00	0.00	2.000	0	0	9048	1355	6.680
27-1-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-2-S	92.59	25.00	0.00	2.000	0	0	9823	6128	1.603
27-3-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-4-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
27-5-S	92.59	25.00	0.00	2.000	0	0	9823	3170	3.099
28-1-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-2-S	92.59	25.00	0.00	2.000	0	0	9823	431	22.789
28-3-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-4-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
28-5-S	92.59	25.00	0.00	2.000	0	0	9823	435	22.589
29-1-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-2-S	92.59	25.00	0.00	2.000	0	0	9823	521	18.865
29-3-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-4-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565
29-5-S	92.59	25.00	0.00	2.000	0	0	9823	1027	9.565

## Micropali

La verifica a taglio sui micropali viene eseguita considerando il solo contributo resistente del tubolare. L'area della sezione effettiva di verifica ( $A_{eff}$ ) viene determinata come area lorda (A) della sezione tubolare moltiplicata per  $2 / \pi$ .

### Combinazione n° 1 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	1578	33.350

### Combinazione n° 2 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	3364	15.646

### Combinazione n° 3 - STR (A1-M1-R3) H + V

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	5	20.86	52632	1323	39.793

### Combinazione n° 4 - STR (A1-M1-R3) H - V

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	5	20.86	52632	1163	45.268

### Combinazione n° 5 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	1578	33.350

### Combinazione n° 6 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	1578	33.350

### Combinazione n° 7 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	1578	33.350

### Combinazione n° 8 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	3364	15.646

Combinazione n° 9 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	3364	15.646

Combinazione n° 10 - STR (A1-M1-R3)

Ip	Is	A <sub>sw</sub> [cmq]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	3364	15.646

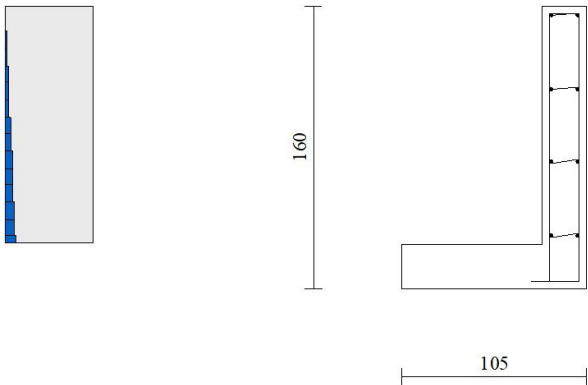


Fig. 19 - Paramento (Inviluppo)

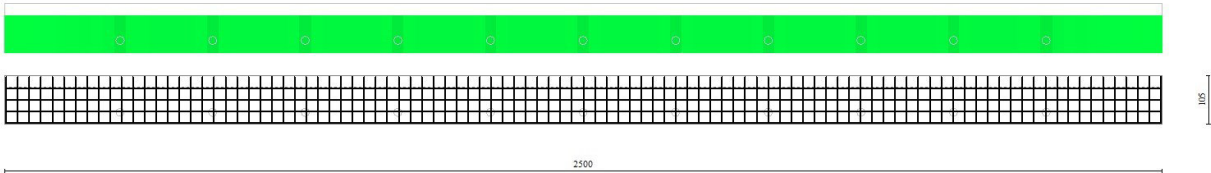


Fig. 20 - Piastra fondazione dir. X (Inviluppo)



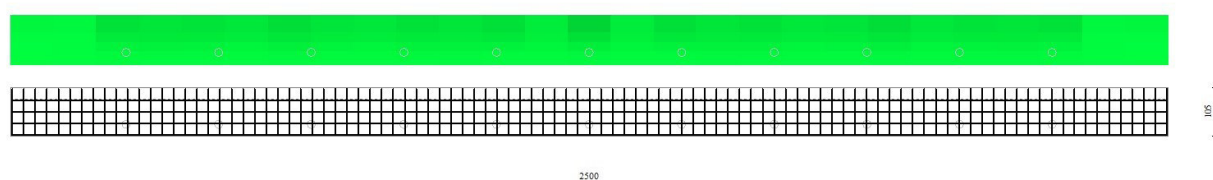


Fig. 21 - Piastra fondazione dir. Y (Inviluppo)

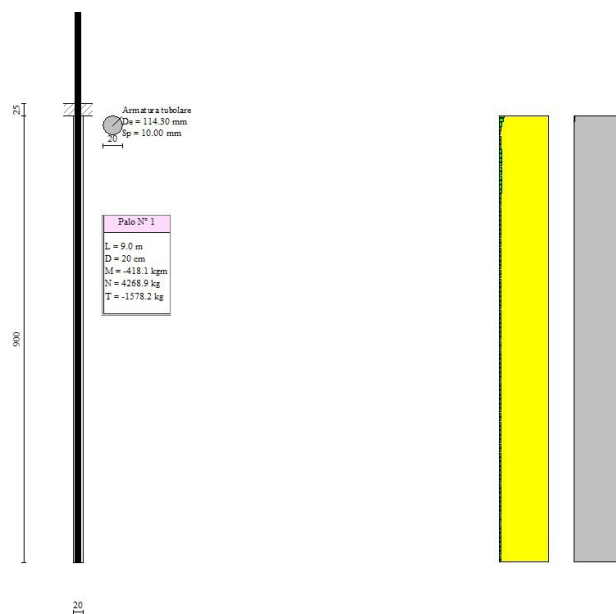


Fig. 22 - Pali (Palo n° 1) (Inviluppo)

### Verifica a punzonamento

#### Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
c <sub>1</sub> , c <sub>2</sub>	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u <sub>0</sub>	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u <sub>1</sub>	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
ρ <sub>y</sub> , ρ <sub>z</sub>	Percentuali di armatura piastra in zona tesa
dpc, duc	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
V <sub>ed,i</sub>	Tensione di taglio sul perimetro del pilastro, espressa in [kg/cm <sup>2</sup> ]
V <sub>rd,max</sub>	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kg/cm <sup>2</sup> ]
V <sub>ed,f</sub>	Tensione di taglio sul perimetro di verifica u <sub>1</sub> , espresso in [kg/cm <sup>2</sup> ]
V <sub>rd,cf</sub>	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u <sub>1</sub> , espresso in [kg/cm <sup>2</sup> ]
V <sub>rd,cs</sub>	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kg/cm <sup>2</sup> ]
nsc	Numero di serie di cuciture

nc Numero di cuciture  
 FS Fattore di sicurezza (minore tra i rapporti  $V_{Rd,max}/V_{Ed,i}$ ,  $V_{Rd,d}/V_{Ed,f}$  e  $V_{Rd,cs}/V_{Ed,f}$ )

## Verifica delle tensioni

### Simbologia adottata

n° indice sezione  
 Y ordinata sezione, espressa in [m]  
 B larghezza sezione, espresso in [cm]  
 H altezza sezione, espressa in [cm]  
 Afi area ferri inferiori, espresso in [cmq]  
 Afs area ferri superiori, espressa in [cmq]  
 M momento agente, espressa in [kgm]  
 N sforzo normale agente, espressa in [kg]  
 $\sigma_c$  tensione di compressione nel cls, espressa in [kg/cmq]  
 $\sigma_{fi}$  tensione nei ferri inferiori, espressa in [kg/cmq]  
 $\sigma_{fs}$  tensione nei ferri superiori, espressa in [kg/cmq]

## Combinazioni SLER

### Paramento

#### Combinazione n° 19 - SLER

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	$\sigma_c$ [kg/cmq]	$\sigma_{fi}$ [kg/cmq]	$\sigma_{fs}$ [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	2	60	0.03	0.19	0.47
3	-0.19	100	25	8.04	8.04	6	121	0.10	0.10	1.21
4	-0.29	100	25	8.04	8.04	14	181	0.20	0.82	2.34
5	-0.39	100	25	8.04	8.04	25	241	0.37	3.53	3.90
6	-0.48	100	25	8.04	8.04	39	301	0.59	8.44	5.79
7	-0.58	100	25	8.04	8.04	56	362	0.87	15.51	7.95
8	-0.68	100	25	8.04	8.04	76	422	1.20	24.68	10.36
9	-0.77	100	25	8.04	8.04	99	482	1.58	35.91	13.02
10	-0.87	100	25	8.04	8.04	125	542	2.01	49.18	15.93
11	-0.96	100	25	8.04	8.04	154	603	2.49	64.48	19.09
12	-1.06	100	25	8.04	8.04	187	663	3.02	81.80	22.50
13	-1.16	100	25	8.04	8.04	222	723	3.60	101.15	26.15
14	-1.25	100	25	8.04	8.04	261	783	4.23	122.53	30.06
15	-1.34	100	25	8.04	8.04	303	844	4.90	145.95	34.22

#### Combinazione n° 22 - SLER

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	$\sigma_c$ [kg/cmq]	$\sigma_{fi}$ [kg/cmq]	$\sigma_{fs}$ [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	3	60	0.05	0.01	0.63
3	-0.19	100	25	8.04	8.04	13	121	0.20	2.28	2.08
4	-0.29	100	25	8.04	8.04	30	181	0.48	9.17	4.21
5	-0.39	100	25	8.04	8.04	54	241	0.86	20.58	6.90
6	-0.48	100	25	8.04	8.04	84	301	1.35	36.41	10.12
7	-0.58	100	25	8.04	8.04	121	362	1.95	56.62	13.88
8	-0.68	100	25	8.04	8.04	164	422	2.66	81.21	18.19
9	-0.77	100	25	8.04	8.04	214	482	3.48	110.18	23.03
10	-0.87	100	25	8.04	8.04	271	542	4.40	143.52	28.42
11	-0.96	100	25	8.04	8.04	335	603	5.43	181.23	34.35
12	-1.06	100	25	8.04	8.04	405	663	6.57	223.30	40.82
13	-1.16	100	25	8.04	8.04	482	723	7.81	269.75	47.83
14	-1.25	100	25	8.04	8.04	566	783	9.17	320.57	55.38
15	-1.34	100	25	8.04	8.04	656	844	10.63	375.79	63.48

### Piastra fondazione

#### Combinazione n° 19 - SLER

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	$\sigma_c$ [kg/cmq]	$\sigma_{fi}$ [kg/cmq]	$\sigma_{fs}$ [kg/cmq]
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Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-1-P	80	25	8.04	8.04	2	-9	0.15	1.58	5.91
1-2-P	80	25	8.04	8.04	3	-18	0.29	4.72	11.26
1-3-P	80	25	8.04	8.04	5	-22	0.37	8.07	14.09
1-4-P	80	25	8.04	8.04	8	-21	0.34	12.99	13.24
1-5-P	80	25	8.04	8.04	16	-18	0.44	16.86	11.57
1-6-P	80	25	8.04	8.04	28	-14	0.58	22.41	8.72
1-7-P	80	25	8.04	8.04	49	-11	1.00	38.29	7.69
1-8-P	80	25	8.04	8.04	71	-11	1.16	44.68	8.97
1-9-P	80	25	8.04	8.04	67	-10	1.10	42.39	8.51
1-10-P	80	25	8.04	8.04	28	-85	1.73	30.96	66.48
1-11-P	80	25	8.04	8.04	18	-482	9.21	71.06	354.01
1-12-P	80	25	8.04	8.04	32	-79	1.59	32.88	61.17
1-13-P	80	25	8.04	8.04	83	-2	1.37	52.50	10.54
1-14-P	80	25	8.04	8.04	103	0	1.69	64.93	13.03
1-15-P	80	25	8.04	8.04	104	0	1.71	65.64	13.18
1-16-P	80	25	8.04	8.04	104	0	1.70	65.41	13.13
1-17-P	80	25	8.04	8.04	85	-2	1.40	53.72	10.78
1-18-P	80	25	8.04	8.04	33	-75	1.53	33.87	58.68
1-19-P	80	25	8.04	8.04	18	-474	9.06	69.89	348.19
1-20-P	80	25	8.04	8.04	33	-75	1.53	33.85	58.69
1-21-P	80	25	8.04	8.04	85	-2	1.40	53.72	10.78
1-22-P	80	25	8.04	8.04	104	0	1.70	65.44	13.13
1-23-P	80	25	8.04	8.04	105	0	1.71	65.81	13.21
1-24-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-25-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-26-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-27-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-28-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-29-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-30-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-31-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-32-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-33-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-34-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-35-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-36-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-37-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-38-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-39-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-40-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-41-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-42-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-43-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-44-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-45-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-46-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-47-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-48-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-49-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-50-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-51-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-52-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-53-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-54-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-55-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-56-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-57-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-58-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-59-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-60-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-61-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-62-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-63-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-64-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-65-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-66-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-67-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-68-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-69-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-70-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-71-P	80	25	8.04	8.04	105	0	1.71	65.80	13.21
1-72-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-73-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-74-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-75-P	80	25	8.04	8.04	18	-474	9.06	69.90	348.23
1-76-P	80	25	8.04	8.04	33	-75	1.53	33.84	58.71
1-77-P	80	25	8.04	8.04	85	-2	1.40	53.70	10.78
1-78-P	80	25	8.04	8.04	104	0	1.70	65.43	13.13
1-79-P	80	25	8.04	8.04	105	0	1.71	65.81	13.21
1-80-P	80	25	8.04	8.04	104	0	1.70	65.44	13.13
1-81-P	80	25	8.04	8.04	85	-2	1.40	53.72	10.78
1-82-P	80	25	8.04	8.04	33	-75	1.53	33.85	58.69
1-83-P	80	25	8.04	8.04	18	-474	9.06	69.89	348.19
1-84-P	80	25	8.04	8.04	33	-75	1.53	33.87	58.68
1-85-P	80	25	8.04	8.04	85	-2	1.40	53.72	10.78
1-86-P	80	25	8.04	8.04	104	0	1.70	65.41	13.13
1-87-P	80	25	8.04	8.04	104	0	1.71	65.64	13.18
1-88-P	80	25	8.04	8.04	103	0	1.69	64.93	13.03
1-89-P	80	25	8.04	8.04	83	-2	1.37	52.50	10.54
1-90-P	80	25	8.04	8.04	32	-79	1.59	32.88	61.17
1-91-P	80	25	8.04	8.04	18	-482	9.21	71.06	354.01
1-92-P	80	25	8.04	8.04	28	-85	1.73	30.96	66.48
1-93-P	80	25	8.04	8.04	67	-10	1.10	42.39	8.51

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-94-P	80	25	8.04	8.04	71	-11	1.16	44.68	8.97
1-95-P	80	25	8.04	8.04	49	-11	1.00	38.29	7.69
1-96-P	80	25	8.04	8.04	28	-14	0.58	22.41	8.72
1-97-P	80	25	8.04	8.04	16	-18	0.44	16.86	11.57
1-98-P	80	25	8.04	8.04	8	-21	0.34	12.99	13.24
1-99-P	80	25	8.04	8.04	5	-22	0.37	8.07	14.09
1-100-P	80	25	8.04	8.04	3	-18	0.29	4.72	11.26
1-101-P	80	25	8.04	8.04	2	-9	0.15	1.58	5.91
3-1-S	93	25	8.04	8.04	3	0	0.05	1.92	0.52
3-2-S	93	25	8.04	8.04	1	-20	0.30	2.20	12.32
3-3-S	93	25	8.04	8.04	0	-72	1.09	8.03	45.02
3-4-S	93	25	8.04	8.04	0	-170	2.58	18.94	106.21
3-5-S	93	25	8.04	8.04	0	-318	4.83	35.48	198.97
4-1-S	93	25	8.04	8.04	13	-10	0.19	8.01	6.33
4-2-S	93	25	8.04	8.04	16	-19	0.29	10.09	12.06
4-3-S	93	25	8.04	8.04	17	-42	0.64	10.63	26.44
4-4-S	93	25	8.04	8.04	12	-90	1.36	12.44	56.15
4-5-S	93	25	8.04	8.04	3	-188	2.86	20.96	117.53
5-1-S	93	25	8.04	8.04	95	-75	2.77	113.83	49.13
5-2-S	93	25	8.04	8.04	4	-407	6.19	45.47	254.96
5-3-S	93	25	8.04	8.04	6	-386	5.87	43.10	241.70
5-4-S	93	25	8.04	8.04	100	-14	1.52	62.73	11.19
5-5-S	93	25	8.04	8.04	578	0	8.80	362.06	64.57
6-1-S	93	25	6.03	6.03	5	-30	1.31	8.52	61.78
6-2-S	93	25	6.03	6.03	17	-36	1.59	13.86	75.19
6-3-S	93	25	6.03	6.03	35	-30	1.30	28.78	61.37
6-4-S	93	25	6.03	6.03	86	-2	1.50	70.72	9.76
6-5-S	93	25	6.03	6.03	155	-5	3.16	149.18	20.58
7-1-S	93	25	8.04	8.04	95	-52	2.02	83.23	37.88
7-2-S	93	25	8.04	8.04	5	-333	5.61	41.16	230.80
7-3-S	93	25	8.04	8.04	11	-308	5.47	40.16	225.21
7-4-S	93	25	8.04	8.04	105	-4	1.60	65.75	11.73
7-5-S	93	25	8.04	8.04	494	0	7.51	309.17	55.14
8-1-S	93	25	8.04	8.04	4	-59	1.50	10.99	61.61
8-2-S	93	25	8.04	8.04	12	-92	2.32	17.05	95.59
8-3-S	93	25	8.04	8.04	26	-81	2.06	20.62	84.82
8-4-S	93	25	8.04	8.04	96	-3	1.47	60.42	10.78
8-5-S	93	25	8.04	8.04	264	-4	4.68	192.81	34.39
9-1-S	93	25	6.03	6.03	38	-50	1.47	38.99	69.31
9-2-S	93	25	6.03	6.03	9	-191	4.19	27.27	197.63
9-3-S	93	25	6.03	6.03	19	-174	5.08	33.10	239.89
9-4-S	93	25	6.03	6.03	101	-4	1.77	83.35	11.50
9-5-S	93	25	6.03	6.03	362	-1	6.34	299.21	41.28
10-1-S	93	25	8.04	8.04	60	-66	1.52	62.38	51.41
10-2-S	93	25	8.04	8.04	9	-229	4.36	32.01	179.47
10-3-S	93	25	8.04	8.04	17	-218	4.65	34.16	191.52
10-4-S	93	25	8.04	8.04	101	-4	1.54	63.53	11.33
10-5-S	93	25	8.04	8.04	397	-1	6.04	248.82	44.38
11-1-S	93	25	8.04	8.04	4	-66	1.66	12.21	68.49
11-2-S	93	25	8.04	8.04	16	-68	1.71	12.59	70.57
11-3-S	93	25	8.04	8.04	28	-56	1.42	21.89	58.29
11-4-S	93	25	8.04	8.04	94	-3	1.43	59.06	10.53
11-5-S	93	25	8.04	8.04	234	-4	3.93	161.82	28.86
12-1-S	93	25	8.04	8.04	96	-50	1.82	75.10	39.43
12-2-S	93	25	8.04	8.04	4	-353	5.37	39.42	221.04
12-3-S	93	25	8.04	8.04	9	-330	5.85	42.95	240.85
12-4-S	93	25	8.04	8.04	106	-4	1.62	66.67	11.89
12-5-S	93	25	8.04	8.04	522	0	7.94	326.97	58.31
13-1-S	93	25	6.03	6.03	5	-20	0.89	5.82	42.20
13-2-S	93	25	6.03	6.03	17	-28	1.21	14.07	56.99
13-3-S	93	25	6.03	6.03	37	-22	0.97	30.44	45.70
13-4-S	93	25	6.03	6.03	84	-1	1.46	69.06	9.53
13-5-S	93	25	6.03	6.03	132	-5	2.70	127.37	17.57
14-1-S	93	25	8.04	8.04	97	-82	2.58	106.23	56.91
14-2-S	93	25	8.04	8.04	4	-404	6.14	45.08	252.77
14-3-S	93	25	8.04	8.04	4	-373	5.67	41.61	233.32
14-4-S	93	25	8.04	8.04	115	-6	1.74	71.80	12.81
14-5-S	93	25	8.04	8.04	611	0	9.30	382.83	68.27
15-1-S	93	25	8.04	8.04	6	-2	0.09	3.52	2.66
15-2-S	93	25	8.04	8.04	17	-7	0.50	10.61	20.39
15-3-S	93	25	8.04	8.04	42	-5	0.64	26.48	16.22
15-4-S	93	25	8.04	8.04	77	0	1.17	48.22	8.60
15-5-S	93	25	8.04	8.04	77	-5	1.29	53.29	9.50
16-1-S	93	25	6.03	6.03	97	-100	5.09	240.53	86.59
16-2-S	93	25	6.03	6.03	5	-420	7.36	47.93	347.40
16-3-S	93	25	6.03	6.03	1	-387	6.77	44.10	319.65
16-4-S	93	25	6.03	6.03	118	-7	2.07	97.61	13.47
16-5-S	93	25	6.03	6.03	644	0	11.28	532.52	73.47
17-1-S	93	25	8.04	8.04	6	-2	0.09	3.52	2.66
17-2-S	93	25	8.04	8.04	17	-7	0.50	10.61	20.39
17-3-S	93	25	8.04	8.04	42	-5	0.64	26.48	16.22
17-4-S	93	25	8.04	8.04	77	0	1.17	48.22	8.60
17-5-S	93	25	8.04	8.04	77	-5	1.29	53.29	9.50
18-1-S	93	25	8.04	8.04	97	-82	2.58	106.23	56.91
18-2-S	93	25	8.04	8.04	4	-404	6.14	45.08	252.77
18-3-S	93	25	8.04	8.04	4	-373	5.67	41.61	233.32
18-4-S	93	25	8.04	8.04	115	-6	1.74	71.80	12.81
18-5-S	93	25	8.04	8.04	611	0	9.30	382.83	68.27
19-1-S	93	25	6.03	6.03	5	-20	0.89	5.82	42.20
19-2-S	93	25	6.03	6.03	17	-28	1.21	14.07	56.99
19-3-S	93	25	6.03	6.03	37	-22	0.97	30.44	45.70
19-4-S	93	25	6.03	6.03	84	-1	1.46	69.06	9.53
19-5-S	93	25	6.03	6.03	132	-5	2.70	127.37	17.57

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
20-1-S	93	25	8.04	8.04	96	-50	1.82	75.10	39.43
20-2-S	93	25	8.04	8.04	4	-353	5.37	39.42	221.04
20-3-S	93	25	8.04	8.04	9	-330	5.85	42.95	240.85
20-4-S	93	25	8.04	8.04	106	-4	1.62	66.67	11.89
20-5-S	93	25	8.04	8.04	522	0	7.94	326.97	58.31
21-1-S	93	25	8.04	8.04	4	-66	1.66	12.21	68.49
21-2-S	93	25	8.04	8.04	16	-68	1.71	12.59	70.57
21-3-S	93	25	8.04	8.04	28	-56	1.42	21.89	58.29
21-4-S	93	25	8.04	8.04	94	-3	1.43	59.06	10.53
21-5-S	93	25	8.04	8.04	234	-4	3.93	161.82	28.86
22-1-S	93	25	8.04	8.04	60	-66	1.52	62.38	51.41
22-2-S	93	25	8.04	8.04	9	-229	4.36	32.01	179.47
22-3-S	93	25	8.04	8.04	17	-218	4.65	34.16	191.52
22-4-S	93	25	8.04	8.04	101	-4	1.54	63.53	11.33
22-5-S	93	25	8.04	8.04	397	-1	6.04	248.82	44.38
23-1-S	93	25	6.03	6.03	38	-50	1.47	38.99	69.31
23-2-S	93	25	6.03	6.03	9	-191	4.19	27.27	197.63
23-3-S	93	25	6.03	6.03	19	-174	5.08	33.10	239.89
23-4-S	93	25	6.03	6.03	101	-4	1.77	83.35	11.50
23-5-S	93	25	6.03	6.03	362	-1	6.34	299.21	41.28
24-1-S	93	25	8.04	8.04	4	-59	1.50	10.99	61.61
24-2-S	93	25	8.04	8.04	12	-92	2.32	17.05	95.59
24-3-S	93	25	8.04	8.04	26	-81	2.06	20.62	84.82
24-4-S	93	25	8.04	8.04	96	-3	1.47	60.42	10.78
24-5-S	93	25	8.04	8.04	264	-4	4.68	192.81	34.39
25-1-S	93	25	8.04	8.04	95	-52	2.02	83.23	37.88
25-2-S	93	25	8.04	8.04	5	-333	5.61	41.16	230.80
25-3-S	93	25	8.04	8.04	11	-308	5.47	40.16	225.21
25-4-S	93	25	8.04	8.04	105	-4	1.60	65.75	11.73
25-5-S	93	25	8.04	8.04	494	0	7.51	309.17	55.14
26-1-S	93	25	6.03	6.03	5	-30	1.31	8.52	61.78
26-2-S	93	25	6.03	6.03	17	-36	1.59	13.86	75.19
26-3-S	93	25	6.03	6.03	35	-30	1.30	28.78	61.37
26-4-S	93	25	6.03	6.03	86	-2	1.50	70.72	9.76
26-5-S	93	25	6.03	6.03	155	-5	3.16	149.18	20.58
27-1-S	93	25	8.04	8.04	95	-75	2.77	113.83	49.13
27-2-S	93	25	8.04	8.04	4	-407	6.19	45.47	254.96
27-3-S	93	25	8.04	8.04	6	-386	5.87	43.10	241.70
27-4-S	93	25	8.04	8.04	100	-14	1.52	62.73	11.19
27-5-S	93	25	8.04	8.04	578	0	8.80	362.06	64.57
28-1-S	93	25	8.04	8.04	13	-10	0.19	8.01	6.33
28-2-S	93	25	8.04	8.04	16	-19	0.29	10.09	12.06
28-3-S	93	25	8.04	8.04	17	-42	0.64	10.63	26.44
28-4-S	93	25	8.04	8.04	12	-90	1.36	12.44	56.15
28-5-S	93	25	8.04	8.04	3	-188	2.86	20.96	117.53
29-1-S	93	25	8.04	8.04	3	0	0.05	1.92	0.52
29-2-S	93	25	8.04	8.04	1	-20	0.30	2.20	12.32
29-3-S	93	25	8.04	8.04	0	-72	1.09	8.03	45.02
29-4-S	93	25	8.04	8.04	0	-170	2.58	18.94	106.21
29-5-S	93	25	8.04	8.04	0	-318	4.83	35.48	198.97

Combinazione n° 22 - SLER

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1-1-P	80	25	8.04	8.04	3	-10	0.17	3.03	6.54
1-2-P	80	25	8.04	8.04	7	-17	0.28	7.25	10.64
1-3-P	80	25	8.04	8.04	15	-19	0.42	15.98	11.90
1-4-P	80	25	8.04	8.04	28	-16	0.76	29.19	10.04
1-5-P	80	25	8.04	8.04	50	-14	1.03	39.53	8.71
1-6-P	80	25	8.04	8.04	82	-12	1.34	51.45	10.33
1-7-P	80	25	8.04	8.04	116	-8	1.91	73.31	14.72
1-8-P	80	25	8.04	8.04	145	-10	2.38	91.49	18.36
1-9-P	80	25	8.04	8.04	138	-25	2.27	87.10	26.27
1-10-P	80	25	8.04	8.04	84	-121	2.78	61.59	106.82
1-11-P	80	25	8.04	8.04	57	-471	10.81	83.40	415.53
1-12-P	80	25	8.04	8.04	82	-93	2.27	60.50	87.37
1-13-P	80	25	8.04	8.04	173	-1	2.83	108.77	21.83
1-14-P	80	25	8.04	8.04	231	0	3.78	145.18	29.14
1-15-P	80	25	8.04	8.04	243	0	3.99	153.19	30.75
1-16-P	80	25	8.04	8.04	233	0	3.82	146.94	29.49
1-17-P	80	25	8.04	8.04	179	-1	2.94	112.96	22.67
1-18-P	80	25	8.04	8.04	89	-86	2.11	65.14	80.95
1-19-P	80	25	8.04	8.04	60	-452	11.09	85.57	426.34
1-20-P	80	25	8.04	8.04	89	-86	2.11	65.16	80.91
1-21-P	80	25	8.04	8.04	180	-1	2.94	113.09	22.70
1-22-P	80	25	8.04	8.04	234	0	3.83	147.36	29.58
1-23-P	80	25	8.04	8.04	245	0	4.01	154.18	30.95
1-24-P	80	25	8.04	8.04	234	0	3.83	147.34	29.57
1-25-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-26-P	80	25	8.04	8.04	89	-86	2.11	65.13	80.92
1-27-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-28-P	80	25	8.04	8.04	89	-86	2.11	65.13	80.92
1-29-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-30-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-31-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-32-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-33-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-34-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-35-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-36-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-37-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-38-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-39-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-40-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-41-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-42-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-43-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-44-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-45-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-46-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-47-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-48-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-49-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-50-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-51-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-52-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-53-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-54-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-55-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-56-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-57-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-58-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-59-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-60-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-61-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-62-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-63-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-64-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-65-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-66-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-67-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-68-P	80	25	8.04	8.04	89	-86	2.11	65.12	80.93
1-69-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-70-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-71-P	80	25	8.04	8.04	245	0	4.01	154.17	30.94
1-72-P	80	25	8.04	8.04	234	0	3.83	147.33	29.57
1-73-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-74-P	80	25	8.04	8.04	89	-86	2.11	65.13	80.92
1-75-P	80	25	8.04	8.04	60	-452	11.09	85.58	426.36
1-76-P	80	25	8.04	8.04	89	-86	2.11	65.13	80.92
1-77-P	80	25	8.04	8.04	180	-1	2.94	113.06	22.69
1-78-P	80	25	8.04	8.04	234	0	3.83	147.34	29.57
1-79-P	80	25	8.04	8.04	245	0	4.01	154.18	30.95
1-80-P	80	25	8.04	8.04	234	0	3.83	147.36	29.58
1-81-P	80	25	8.04	8.04	180	-1	2.94	113.09	22.70
1-82-P	80	25	8.04	8.04	89	-86	2.11	65.16	80.91
1-83-P	80	25	8.04	8.04	60	-452	11.09	85.57	426.34
1-84-P	80	25	8.04	8.04	89	-86	2.11	65.14	80.95
1-85-P	80	25	8.04	8.04	179	-1	2.94	112.96	22.67
1-86-P	80	25	8.04	8.04	233	0	3.82	146.94	29.49
1-87-P	80	25	8.04	8.04	243	0	3.99	153.19	30.75
1-88-P	80	25	8.04	8.04	231	0	3.78	145.18	29.14
1-89-P	80	25	8.04	8.04	173	-1	2.83	108.77	21.83
1-90-P	80	25	8.04	8.04	82	-93	2.27	60.50	87.37
1-91-P	80	25	8.04	8.04	57	-471	10.81	83.40	415.53
1-92-P	80	25	8.04	8.04	84	-121	2.78	61.59	106.82
1-93-P	80	25	8.04	8.04	138	-25	2.27	87.10	26.27
1-94-P	80	25	8.04	8.04	145	-10	2.38	91.49	18.36
1-95-P	80	25	8.04	8.04	116	-8	1.91	73.31	14.72
1-96-P	80	25	8.04	8.04	82	-12	1.34	51.45	10.33
1-97-P	80	25	8.04	8.04	50	-14	1.03	39.53	8.71
1-98-P	80	25	8.04	8.04	28	-16	0.76	29.19	10.04
1-99-P	80	25	8.04	8.04	15	-19	0.42	15.98	11.90
1-100-P	80	25	8.04	8.04	7	-17	0.28	7.25	10.64
1-101-P	80	25	8.04	8.04	3	-10	0.17	3.03	6.54
3-1-S	93	25	8.04	8.04	9	-1	0.14	5.69	1.02
3-2-S	93	25	8.04	8.04	9	-14	0.22	5.76	8.96
3-3-S	93	25	8.04	8.04	4	-53	0.81	5.93	33.25
3-4-S	93	25	8.04	8.04	0	-142	2.16	15.88	89.06
3-5-S	93	25	8.04	8.04	0	-295	4.48	32.90	184.47
4-1-S	93	25	8.04	8.04	51	-27	0.77	31.83	16.60
4-2-S	93	25	8.04	8.04	78	-22	1.19	48.85	13.83
4-3-S	93	25	8.04	8.04	109	-18	1.65	68.05	12.14
4-4-S	93	25	8.04	8.04	115	-24	1.76	72.30	25.15
4-5-S	93	25	8.04	8.04	96	-75	2.43	99.98	78.37
5-1-S	93	25	8.04	8.04	30	-75	1.14	35.95	47.12
5-2-S	93	25	8.04	8.04	63	-225	3.42	75.44	140.78
5-3-S	93	25	8.04	8.04	259	-21	3.94	162.16	28.92
5-4-S	93	25	8.04	8.04	649	0	9.87	406.17	72.44
5-5-S	93	25	8.04	8.04	1057	0	16.08	661.89	118.04
6-1-S	93	25	6.03	6.03	42	-17	0.91	42.95	34.88
6-2-S	93	25	6.03	6.03	142	-7	2.49	117.73	29.28
6-3-S	93	25	6.03	6.03	307	-2	5.37	253.53	34.98
6-4-S	93	25	6.03	6.03	509	0	8.91	420.53	58.02
6-5-S	93	25	6.03	6.03	647	0	11.32	534.78	73.78
7-1-S	93	25	8.04	8.04	30	-39	0.74	28.14	30.55
7-2-S	93	25	8.04	8.04	81	-173	3.94	81.62	162.15
7-3-S	93	25	8.04	8.04	305	-6	4.64	191.08	34.08
7-4-S	93	25	8.04	8.04	672	0	10.22	420.70	75.03

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
7-5-S	93	25	8.04	8.04	1012	0	15.39	633.53	112.98
8-1-S	93	25	8.04	8.04	39	-42	1.05	30.22	43.38
8-2-S	93	25	8.04	8.04	123	-19	1.86	76.74	30.48
8-3-S	93	25	8.04	8.04	303	-5	4.61	189.75	33.84
8-4-S	93	25	8.04	8.04	562	0	8.55	351.77	62.74
8-5-S	93	25	8.04	8.04	767	0	11.67	480.49	85.69
9-1-S	93	25	6.03	6.03	32	-37	1.07	43.94	50.60
9-2-S	93	25	6.03	6.03	108	-85	3.74	111.77	176.57
9-3-S	93	25	6.03	6.03	305	-5	5.34	251.95	34.76
9-4-S	93	25	6.03	6.03	609	0	10.66	503.43	69.46
9-5-S	93	25	6.03	6.03	873	0	15.28	721.75	99.58
10-1-S	93	25	8.04	8.04	32	-42	1.06	25.18	43.63
10-2-S	93	25	8.04	8.04	106	-112	2.83	82.90	116.41
10-3-S	93	25	8.04	8.04	306	-5	4.65	191.60	34.17
10-4-S	93	25	8.04	8.04	627	0	9.53	392.45	69.99
10-5-S	93	25	8.04	8.04	910	0	13.85	570.09	101.67
11-1-S	93	25	8.04	8.04	41	-42	1.58	32.40	65.19
11-2-S	93	25	8.04	8.04	138	-14	2.10	86.57	22.15
11-3-S	93	25	8.04	8.04	304	-5	4.63	190.55	33.98
11-4-S	93	25	8.04	8.04	548	0	8.34	343.21	61.21
11-5-S	93	25	8.04	8.04	735	0	11.18	460.11	82.06
12-1-S	93	25	8.04	8.04	24	-37	0.70	24.84	28.89
12-2-S	93	25	8.04	8.04	77	-183	4.64	79.89	190.85
12-3-S	93	25	8.04	8.04	304	-6	4.62	190.35	33.95
12-4-S	93	25	8.04	8.04	684	0	10.41	428.50	76.42
12-5-S	93	25	8.04	8.04	1041	0	15.84	651.99	116.28
13-1-S	93	25	6.03	6.03	49	-16	0.86	40.67	34.01
13-2-S	93	25	6.03	6.03	147	-5	2.58	121.85	20.33
13-3-S	93	25	6.03	6.03	313	0	5.48	258.59	35.68
13-4-S	93	25	6.03	6.03	505	0	8.83	417.10	57.55
13-5-S	93	25	6.03	6.03	624	0	10.93	515.91	71.18
14-1-S	93	25	8.04	8.04	21	-61	0.92	27.26	38.02
14-2-S	93	25	8.04	8.04	61	-197	3.49	72.87	143.58
14-3-S	93	25	8.04	8.04	296	-10	4.50	185.11	33.01
14-4-S	93	25	8.04	8.04	720	0	10.95	450.91	80.42
14-5-S	93	25	8.04	8.04	1135	0	17.26	710.48	126.71
15-1-S	93	25	8.04	8.04	52	-3	0.79	32.41	10.95
15-2-S	93	25	8.04	8.04	152	0	2.31	95.20	16.98
15-3-S	93	25	8.04	8.04	319	0	4.85	199.79	35.63
15-4-S	93	25	8.04	8.04	482	0	7.34	302.11	53.88
15-5-S	93	25	8.04	8.04	564	0	8.58	353.16	62.98
16-1-S	93	25	6.03	6.03	16	-68	1.19	39.23	56.31
16-2-S	93	25	6.03	6.03	59	-203	3.55	84.69	167.48
16-3-S	93	25	6.03	6.03	290	-10	5.08	239.83	33.09
16-4-S	93	25	6.03	6.03	733	0	12.82	605.54	83.55
16-5-S	93	25	6.03	6.03	1168	0	20.44	965.35	133.19
17-1-S	93	25	8.04	8.04	52	-3	0.79	32.41	10.95
17-2-S	93	25	8.04	8.04	152	0	2.31	95.20	16.98
17-3-S	93	25	8.04	8.04	319	0	4.85	199.79	35.63
17-4-S	93	25	8.04	8.04	482	0	7.34	302.11	53.88
17-5-S	93	25	8.04	8.04	564	0	8.58	353.16	62.98
18-1-S	93	25	8.04	8.04	21	-61	0.92	27.26	38.02
18-2-S	93	25	8.04	8.04	61	-197	3.49	72.87	143.58
18-3-S	93	25	8.04	8.04	296	-10	4.50	185.11	33.01
18-4-S	93	25	8.04	8.04	720	0	10.95	450.91	80.42
18-5-S	93	25	8.04	8.04	1135	0	17.26	710.48	126.71
19-1-S	93	25	6.03	6.03	49	-16	0.86	40.67	34.01
19-2-S	93	25	6.03	6.03	147	-5	2.58	121.85	20.33
19-3-S	93	25	6.03	6.03	313	0	5.48	258.59	35.68
19-4-S	93	25	6.03	6.03	505	0	8.83	417.10	57.55
19-5-S	93	25	6.03	6.03	624	0	10.93	515.91	71.18
20-1-S	93	25	8.04	8.04	24	-37	0.70	24.84	28.89
20-2-S	93	25	8.04	8.04	77	-183	4.64	79.89	190.85
20-3-S	93	25	8.04	8.04	304	-6	4.62	190.35	33.95
20-4-S	93	25	8.04	8.04	684	0	10.41	428.50	76.42
20-5-S	93	25	8.04	8.04	1041	0	15.84	651.99	116.28
21-1-S	93	25	8.04	8.04	41	-42	1.58	32.40	65.19
21-2-S	93	25	8.04	8.04	138	-14	2.10	86.57	22.15
21-3-S	93	25	8.04	8.04	304	-5	4.63	190.55	33.98
21-4-S	93	25	8.04	8.04	548	0	8.34	343.21	61.21
21-5-S	93	25	8.04	8.04	735	0	11.18	460.11	82.06
22-1-S	93	25	8.04	8.04	32	-42	1.06	25.18	43.63
22-2-S	93	25	8.04	8.04	106	-112	2.83	82.90	116.41
22-3-S	93	25	8.04	8.04	306	-5	4.65	191.60	34.17
22-4-S	93	25	8.04	8.04	627	0	9.53	392.45	69.99
22-5-S	93	25	8.04	8.04	910	0	13.85	570.09	101.67
23-1-S	93	25	6.03	6.03	32	-37	1.07	43.94	50.60
23-2-S	93	25	6.03	6.03	108	-85	3.74	111.77	176.57
23-3-S	93	25	6.03	6.03	305	-5	5.34	251.95	34.76
23-4-S	93	25	6.03	6.03	609	0	10.66	503.43	69.46
23-5-S	93	25	6.03	6.03	873	0	15.28	721.75	99.58
24-1-S	93	25	8.04	8.04	39	-42	1.05	30.22	43.38
24-2-S	93	25	8.04	8.04	123	-19	1.86	76.74	30.48
24-3-S	93	25	8.04	8.04	303	-5	4.61	189.75	33.84
24-4-S	93	25	8.04	8.04	562	0	8.55	351.77	62.74
24-5-S	93	25	8.04	8.04	767	0	11.67	480.49	85.69
25-1-S	93	25	8.04	8.04	30	-39	0.74	28.14	30.55
25-2-S	93	25	8.04	8.04	81	-173	3.94	81.62	162.15
25-3-S	93	25	8.04	8.04	305	-6	4.64	191.08	34.08
25-4-S	93	25	8.04	8.04	672	0	10.22	420.70	75.03
25-5-S	93	25	8.04	8.04	1012	0	15.39	633.53	112.98
26-1-S	93	25	6.03	6.03	42	-17	0.91	42.95	34.88
26-2-S	93	25	6.03	6.03	142	-7	2.49	117.73	29.28

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
26-3-S	93	25	6.03	6.03	307	-2	5.37	253.53	34.98
26-4-S	93	25	6.03	6.03	509	0	8.91	420.53	58.02
26-5-S	93	25	6.03	6.03	647	0	11.32	534.78	73.78
27-1-S	93	25	8.04	8.04	30	-75	1.14	35.95	47.12
27-2-S	93	25	8.04	8.04	63	-225	3.42	75.44	140.78
27-3-S	93	25	8.04	8.04	259	-21	3.94	162.16	28.92
27-4-S	93	25	8.04	8.04	649	0	9.87	406.17	72.44
27-5-S	93	25	8.04	8.04	1057	0	16.08	661.89	118.04
28-1-S	93	25	8.04	8.04	51	-27	0.77	31.83	16.60
28-2-S	93	25	8.04	8.04	78	-22	1.19	48.85	13.83
28-3-S	93	25	8.04	8.04	109	-18	1.65	68.05	12.14
28-4-S	93	25	8.04	8.04	115	-24	1.76	72.30	25.15
28-5-S	93	25	8.04	8.04	96	-75	2.43	99.98	78.37
29-1-S	93	25	8.04	8.04	9	-1	0.14	5.69	1.02
29-2-S	93	25	8.04	8.04	9	-14	0.22	5.76	8.96
29-3-S	93	25	8.04	8.04	4	-53	0.81	5.93	33.25
29-4-S	93	25	8.04	8.04	0	-142	2.16	15.88	89.06
29-5-S	93	25	8.04	8.04	0	-295	4.48	32.90	184.47

## Combinazioni SLEF

### Paramento

#### Combinazione n° 20 - SLEF

Tensione massima di compressione nel calcestruzzo 207.50 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	0	60	0.02	0.33	0.33
3	-0.19	100	25	8.04	8.04	0	121	0.04	0.66	0.66
4	-0.29	100	25	8.04	8.04	0	181	0.07	0.99	0.99
5	-0.39	100	25	8.04	8.04	0	241	0.09	1.32	1.32
6	-0.48	100	25	8.04	8.04	0	301	0.11	1.65	1.65
7	-0.58	100	25	8.04	8.04	0	362	0.13	1.98	1.98
8	-0.68	100	25	8.04	8.04	0	422	0.15	2.31	2.31
9	-0.77	100	25	8.04	8.04	0	482	0.18	2.64	2.64
10	-0.87	100	25	8.04	8.04	0	542	0.20	2.97	2.97
11	-0.96	100	25	8.04	8.04	0	603	0.22	3.30	3.30
12	-1.06	100	25	8.04	8.04	0	663	0.24	3.63	3.63
13	-1.16	100	25	8.04	8.04	0	723	0.26	3.96	3.96
14	-1.25	100	25	8.04	8.04	0	783	0.29	4.29	4.29
15	-1.34	100	25	8.04	8.04	0	844	0.31	4.61	4.62

#### Combinazione n° 23 - SLEF

Tensione massima di compressione nel calcestruzzo 207.50 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	1	60	0.03	0.27	0.39
3	-0.19	100	25	8.04	8.04	3	121	0.07	0.42	0.89
4	-0.29	100	25	8.04	8.04	6	181	0.12	0.46	1.52
5	-0.39	100	25	8.04	8.04	11	241	0.18	0.38	2.26
6	-0.48	100	25	8.04	8.04	17	301	0.25	0.07	3.15
7	-0.58	100	25	8.04	8.04	24	362	0.35	0.66	4.23
8	-0.68	100	25	8.04	8.04	33	422	0.48	2.02	5.51
9	-0.77	100	25	8.04	8.04	43	482	0.63	4.21	6.97
10	-0.87	100	25	8.04	8.04	54	542	0.81	7.32	8.61
11	-0.96	100	25	8.04	8.04	67	603	1.01	11.39	10.39
12	-1.06	100	25	8.04	8.04	81	663	1.24	16.42	12.29
13	-1.16	100	25	8.04	8.04	96	723	1.49	22.40	14.32
14	-1.25	100	25	8.04	8.04	113	783	1.76	29.31	16.46
15	-1.34	100	25	8.04	8.04	131	844	2.06	37.17	18.71

### Piastra fondazione

#### Combinazione n° 20 - SLEF

Tensione massima di compressione nel calcestruzzo 207.50 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
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Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-1-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
1-2-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-3-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-4-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-5-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-6-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-7-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-8-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-9-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42
1-10-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-11-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-12-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-13-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-14-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-15-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-16-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-17-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-18-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-19-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-20-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-21-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-22-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-23-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-24-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-25-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-26-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-27-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-28-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-29-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-30-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-31-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-32-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-33-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-34-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-35-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-36-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-37-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-38-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-39-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-40-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-41-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-42-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-43-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-44-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-45-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-46-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-47-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-48-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-49-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-50-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-51-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-52-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-53-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-54-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-55-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-56-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-57-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-58-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-59-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-60-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-61-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-62-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-63-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-64-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-65-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-66-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-67-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-68-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-69-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-70-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-71-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-72-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-73-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-74-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-75-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-76-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-77-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-78-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-79-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-80-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-81-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-82-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-83-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-84-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-85-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-86-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-87-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-88-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-89-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-90-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-91-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-92-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-93-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-94-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-95-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-96-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-97-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-98-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-99-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-100-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-101-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
3-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
3-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
3-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
3-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
3-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37
4-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
4-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
4-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
4-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
4-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
5-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
5-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
5-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
5-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
5-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
6-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
6-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85
6-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
6-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
6-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
7-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
7-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
7-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
7-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46
7-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
8-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
8-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
8-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
8-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
8-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
9-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
9-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
9-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
9-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
9-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
10-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
10-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
10-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
10-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
10-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
11-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
11-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
11-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
11-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
11-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
12-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
12-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
12-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
12-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
12-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
13-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
13-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
13-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
13-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
13-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71
14-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
14-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
14-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
14-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
14-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
15-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
15-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
15-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
15-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
15-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
16-1-S	93	25	6.03	6.03	189	-149	4.08	192.47	184.60
16-2-S	93	25	6.03	6.03	24	-673	11.77	76.68	555.79
16-3-S	93	25	6.03	6.03	0	-955	16.71	108.88	789.13
16-4-S	93	25	6.03	6.03	0	-421	7.37	47.99	347.80
16-5-S	93	25	6.03	6.03	212	-16	3.71	175.27	34.40
17-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
17-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
17-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
17-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
17-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
18-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
18-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
18-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
18-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
18-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
19-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
19-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
19-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
19-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
19-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
20-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
20-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
20-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
20-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
20-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
21-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
21-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
21-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
21-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
21-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
22-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
22-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
22-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
22-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
22-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
23-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
23-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
23-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
23-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
23-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
24-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
24-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
24-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
24-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
24-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
25-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
25-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
25-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
25-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46
25-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
26-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
26-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85
26-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
26-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
26-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
27-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
27-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
27-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
27-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
27-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
28-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
28-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
28-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
28-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
28-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
29-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
29-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
29-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
29-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
29-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37

Combinazione n° 23 - SLEF

Tensione massima di compressione nel calcestruzzo 207.50 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1-1-P	80	25	8.04	8.04	1	-9	0.15	1.14	5.68
1-2-P	80	25	8.04	8.04	1	-19	0.30	2.34	11.67
1-3-P	80	25	8.04	8.04	1	-25	0.41	3.48	15.70
1-4-P	80	25	8.04	8.04	1	-26	0.43	3.87	16.34
1-5-P	80	25	8.04	8.04	3	-24	0.40	4.95	15.24
1-6-P	80	25	8.04	8.04	7	-19	0.32	11.50	12.24
1-7-P	80	25	8.04	8.04	17	-13	0.45	17.39	8.28
1-8-P	80	25	8.04	8.04	30	-7	0.62	23.85	4.79
1-9-P	80	25	8.04	8.04	45	-15	0.73	28.24	9.61
1-10-P	80	25	8.04	8.04	38	-105	1.90	45.56	73.07
1-11-P	80	25	8.04	8.04	17	-506	9.67	74.57	371.53
1-12-P	80	25	8.04	8.04	39	-103	1.86	47.01	71.64
1-13-P	80	25	8.04	8.04	51	-14	0.84	32.31	8.95
1-14-P	80	25	8.04	8.04	46	-5	0.94	36.30	7.29
1-15-P	80	25	8.04	8.04	44	-7	0.89	34.39	6.90
1-16-P	80	25	8.04	8.04	46	-5	0.94	36.16	7.26
1-17-P	80	25	8.04	8.04	51	-14	0.84	32.10	8.96
1-18-P	80	25	8.04	8.04	39	-103	1.87	47.04	71.78
1-19-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.01
1-20-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.80
1-21-P	80	25	8.04	8.04	51	-14	0.83	32.02	8.98
1-22-P	80	25	8.04	8.04	46	-5	0.94	35.99	7.22
1-23-P	80	25	8.04	8.04	43	-7	0.89	34.14	6.85
1-24-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-25-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-26-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-27-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-28-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-29-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-30-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-31-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-32-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-33-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-34-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-35-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-36-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-37-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-38-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-39-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-40-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-41-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-42-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-43-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-44-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-45-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-46-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-47-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-48-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-49-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-50-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-51-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-52-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-53-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-54-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-55-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-56-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-57-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-58-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-59-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-60-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-61-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-62-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-63-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-64-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-65-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-66-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-67-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-68-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-69-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-70-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-71-P	80	25	8.04	8.04	43	-7	0.89	34.13	6.85
1-72-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-73-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-74-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-75-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.04
1-76-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.82
1-77-P	80	25	8.04	8.04	51	-14	0.83	32.01	8.98
1-78-P	80	25	8.04	8.04	46	-5	0.94	35.98	7.22
1-79-P	80	25	8.04	8.04	43	-7	0.89	34.14	6.85
1-80-P	80	25	8.04	8.04	46	-5	0.94	35.99	7.22
1-81-P	80	25	8.04	8.04	51	-14	0.83	32.02	8.98
1-82-P	80	25	8.04	8.04	39	-103	1.87	46.99	71.80
1-83-P	80	25	8.04	8.04	17	-505	9.65	74.47	371.01
1-84-P	80	25	8.04	8.04	39	-103	1.87	47.04	71.78
1-85-P	80	25	8.04	8.04	51	-14	0.84	32.10	8.96
1-86-P	80	25	8.04	8.04	46	-5	0.94	36.16	7.26
1-87-P	80	25	8.04	8.04	44	-7	0.89	34.39	6.90
1-88-P	80	25	8.04	8.04	46	-5	0.94	36.30	7.29
1-89-P	80	25	8.04	8.04	51	-14	0.84	32.31	8.95
1-90-P	80	25	8.04	8.04	39	-103	1.86	47.01	71.64
1-91-P	80	25	8.04	8.04	17	-506	9.67	74.57	371.53
1-92-P	80	25	8.04	8.04	38	-105	1.90	45.56	73.07
1-93-P	80	25	8.04	8.04	45	-15	0.73	28.24	9.61
1-94-P	80	25	8.04	8.04	30	-7	0.62	23.85	4.79
1-95-P	80	25	8.04	8.04	17	-13	0.45	17.39	8.28
1-96-P	80	25	8.04	8.04	7	-19	0.32	11.50	12.24
1-97-P	80	25	8.04	8.04	3	-24	0.40	4.95	15.24
1-98-P	80	25	8.04	8.04	1	-26	0.43	3.87	16.34
1-99-P	80	25	8.04	8.04	1	-25	0.41	3.48	15.70
1-100-P	80	25	8.04	8.04	1	-19	0.30	2.34	11.67
1-101-P	80	25	8.04	8.04	1	-9	0.15	1.14	5.68
3-1-S	93	25	8.04	8.04	1	0	0.02	0.39	0.71
3-2-S	93	25	8.04	8.04	0	-25	0.38	2.77	15.53
3-3-S	93	25	8.04	8.04	0	-83	1.26	9.27	51.96
3-4-S	93	25	8.04	8.04	0	-183	2.78	20.42	114.52
3-5-S	93	25	8.04	8.04	0	-329	5.00	36.74	205.99
4-1-S	93	25	8.04	8.04	1	-9	0.22	1.61	9.05
4-2-S	93	25	8.04	8.04	0	-32	0.49	3.59	20.11
4-3-S	93	25	8.04	8.04	0	-82	1.25	9.15	51.32
4-4-S	93	25	8.04	8.04	1	-160	2.44	17.90	100.36
4-5-S	93	25	8.04	8.04	0	-284	4.32	31.72	177.89
5-1-S	93	25	8.04	8.04	151	-98	3.44	141.57	86.27
5-2-S	93	25	8.04	8.04	10	-530	8.06	59.15	331.68
5-3-S	93	25	8.04	8.04	0	-679	10.33	75.84	425.26
5-4-S	93	25	8.04	8.04	2	-188	2.87	21.05	118.04
5-5-S	93	25	8.04	8.04	357	-11	5.70	234.68	41.85
6-1-S	93	25	6.03	6.03	8	-57	0.99	8.59	46.95
6-2-S	93	25	6.03	6.03	5	-100	1.75	11.40	82.65
6-3-S	93	25	6.03	6.03	0	-141	2.46	16.02	116.13
6-4-S	93	25	6.03	6.03	3	-125	2.19	14.27	103.40
6-5-S	93	25	6.03	6.03	48	-139	2.83	103.16	133.71
7-1-S	93	25	8.04	8.04	147	-78	2.93	120.60	68.50
7-2-S	93	25	8.04	8.04	8	-451	6.86	50.38	282.50
7-3-S	93	25	8.04	8.04	0	-587	8.93	65.54	367.51
7-4-S	93	25	8.04	8.04	3	-178	2.71	19.90	111.60

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
7-5-S	93	25	8.04	8.04	281	-38	5.27	217.05	62.85
8-1-S	93	25	8.04	8.04	7	-87	1.32	9.69	54.32
8-2-S	93	25	8.04	8.04	7	-175	2.66	19.50	109.34
8-3-S	93	25	8.04	8.04	0	-226	3.44	25.27	141.70
8-4-S	93	25	8.04	8.04	3	-137	2.08	15.29	85.73
8-5-S	93	25	8.04	8.04	118	-104	3.43	140.99	97.54
9-1-S	93	25	6.03	6.03	64	-81	1.77	66.53	83.40
9-2-S	93	25	6.03	6.03	9	-291	5.09	33.17	240.43
9-3-S	93	25	6.03	6.03	0	-382	6.68	43.52	315.40
9-4-S	93	25	6.03	6.03	3	-154	2.69	17.53	127.07
9-5-S	93	25	6.03	6.03	187	-74	4.90	231.19	107.43
10-1-S	93	25	8.04	8.04	95	-99	1.88	74.18	77.39
10-2-S	93	25	8.04	8.04	12	-336	5.12	37.56	210.62
10-3-S	93	25	8.04	8.04	0	-445	6.77	49.67	278.51
10-4-S	93	25	8.04	8.04	3	-161	2.45	18.02	101.04
10-5-S	93	25	8.04	8.04	212	-65	4.84	199.31	77.56
11-1-S	93	25	8.04	8.04	8	-99	1.51	11.08	62.14
11-2-S	93	25	8.04	8.04	12	-149	2.27	16.64	93.31
11-3-S	93	25	8.04	8.04	0	-186	2.83	20.81	116.69
11-4-S	93	25	8.04	8.04	3	-133	2.03	14.87	83.37
11-5-S	93	25	8.04	8.04	98	-113	3.13	128.70	99.33
12-1-S	93	25	8.04	8.04	151	-77	2.86	117.94	80.02
12-2-S	93	25	8.04	8.04	9	-476	7.24	53.12	297.87
12-3-S	93	25	8.04	8.04	0	-621	9.44	69.33	388.77
12-4-S	93	25	8.04	8.04	3	-182	2.78	20.37	114.24
12-5-S	93	25	8.04	8.04	301	-30	5.34	219.64	49.56
13-1-S	93	25	6.03	6.03	7	-46	0.80	5.73	37.73
13-2-S	93	25	6.03	6.03	4	-88	1.55	10.08	73.04
13-3-S	93	25	6.03	6.03	0	-130	2.27	14.82	107.42
13-4-S	93	25	6.03	6.03	3	-126	2.20	14.33	103.85
13-5-S	93	25	6.03	6.03	34	-148	3.02	83.10	142.57
14-1-S	93	25	8.04	8.04	150	-109	3.43	141.13	95.58
14-2-S	93	25	8.04	8.04	12	-539	8.20	60.22	337.69
14-3-S	93	25	8.04	8.04	0	-686	10.44	76.62	429.65
14-4-S	93	25	8.04	8.04	2	-190	2.88	21.17	118.69
14-5-S	93	25	8.04	8.04	365	-7	5.55	228.54	40.76
15-1-S	93	25	8.04	8.04	10	-27	0.42	6.22	17.21
15-2-S	93	25	8.04	8.04	1	-59	0.90	6.58	36.89
15-3-S	93	25	8.04	8.04	0	-100	1.52	11.15	62.50
15-4-S	93	25	8.04	8.04	3	-123	1.86	13.69	76.74
15-5-S	93	25	8.04	8.04	4	-171	2.60	19.09	107.04
16-1-S	93	25	6.03	6.03	147	-126	4.91	231.87	155.87
16-2-S	93	25	6.03	6.03	15	-562	9.84	64.13	464.81
16-3-S	93	25	6.03	6.03	0	-708	12.39	80.72	585.03
16-4-S	93	25	6.03	6.03	1	-191	3.35	21.81	158.08
16-5-S	93	25	6.03	6.03	391	0	6.84	323.00	44.56
17-1-S	93	25	8.04	8.04	10	-27	0.42	6.22	17.21
17-2-S	93	25	8.04	8.04	1	-59	0.90	6.58	36.89
17-3-S	93	25	8.04	8.04	0	-100	1.52	11.15	62.50
17-4-S	93	25	8.04	8.04	3	-123	1.86	13.69	76.74
17-5-S	93	25	8.04	8.04	4	-171	2.60	19.09	107.04
18-1-S	93	25	8.04	8.04	150	-109	3.43	141.13	95.58
18-2-S	93	25	8.04	8.04	12	-539	8.20	60.22	337.69
18-3-S	93	25	8.04	8.04	0	-686	10.44	76.62	429.65
18-4-S	93	25	8.04	8.04	2	-190	2.88	21.17	118.69
18-5-S	93	25	8.04	8.04	365	-7	5.55	228.54	40.76
19-1-S	93	25	6.03	6.03	7	-46	0.80	5.73	37.73
19-2-S	93	25	6.03	6.03	4	-88	1.55	10.08	73.04
19-3-S	93	25	6.03	6.03	0	-130	2.27	14.82	107.42
19-4-S	93	25	6.03	6.03	3	-126	2.20	14.33	103.85
19-5-S	93	25	6.03	6.03	34	-148	3.02	83.10	142.57
20-1-S	93	25	8.04	8.04	151	-77	2.86	117.94	80.02
20-2-S	93	25	8.04	8.04	9	-476	7.24	53.12	297.87
20-3-S	93	25	8.04	8.04	0	-621	9.44	69.33	388.77
20-4-S	93	25	8.04	8.04	3	-182	2.78	20.37	114.24
20-5-S	93	25	8.04	8.04	301	-30	5.34	219.64	49.56
21-1-S	93	25	8.04	8.04	8	-99	1.51	11.08	62.14
21-2-S	93	25	8.04	8.04	12	-149	2.27	16.64	93.31
21-3-S	93	25	8.04	8.04	0	-186	2.83	20.81	116.69
21-4-S	93	25	8.04	8.04	3	-133	2.03	14.87	83.37
21-5-S	93	25	8.04	8.04	98	-113	3.13	128.70	99.33
22-1-S	93	25	8.04	8.04	95	-99	1.88	74.18	77.39
22-2-S	93	25	8.04	8.04	12	-336	5.12	37.56	210.62
22-3-S	93	25	8.04	8.04	0	-445	6.77	49.67	278.51
22-4-S	93	25	8.04	8.04	3	-161	2.45	18.02	101.04
22-5-S	93	25	8.04	8.04	212	-65	4.84	199.31	77.56
23-1-S	93	25	6.03	6.03	64	-81	1.77	66.53	83.40
23-2-S	93	25	6.03	6.03	9	-291	5.09	33.17	240.43
23-3-S	93	25	6.03	6.03	0	-382	6.68	43.52	315.40
23-4-S	93	25	6.03	6.03	3	-154	2.69	17.53	127.07
23-5-S	93	25	6.03	6.03	187	-74	4.90	231.19	107.43
24-1-S	93	25	8.04	8.04	7	-87	1.32	9.69	54.32
24-2-S	93	25	8.04	8.04	7	-175	2.66	19.50	109.34
24-3-S	93	25	8.04	8.04	0	-226	3.44	25.27	141.70
24-4-S	93	25	8.04	8.04	3	-137	2.08	15.29	85.73
24-5-S	93	25	8.04	8.04	118	-104	3.43	140.99	97.54
25-1-S	93	25	8.04	8.04	147	-78	2.93	120.60	68.50
25-2-S	93	25	8.04	8.04	8	-451	6.86	50.38	282.50
25-3-S	93	25	8.04	8.04	0	-587	8.93	65.54	367.51
25-4-S	93	25	8.04	8.04	3	-178	2.71	19.90	111.60
25-5-S	93	25	8.04	8.04	281	-38	5.27	217.05	62.85
26-1-S	93	25	6.03	6.03	8	-57	0.99	8.59	46.95
26-2-S	93	25	6.03	6.03	5	-100	1.75	11.40	82.65

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
26-3-S	93	25	6.03	6.03	0	-141	2.46	16.02	116.13
26-4-S	93	25	6.03	6.03	3	-125	2.19	14.27	103.40
26-5-S	93	25	6.03	6.03	48	-139	2.83	103.16	133.71
27-1-S	93	25	8.04	8.04	151	-98	3.44	141.57	86.27
27-2-S	93	25	8.04	8.04	10	-530	8.06	59.15	331.68
27-3-S	93	25	8.04	8.04	0	-679	10.33	75.84	425.26
27-4-S	93	25	8.04	8.04	2	-188	2.87	21.05	118.04
27-5-S	93	25	8.04	8.04	357	-11	5.70	234.68	41.85
28-1-S	93	25	8.04	8.04	1	-9	0.22	1.61	9.05
28-2-S	93	25	8.04	8.04	0	-32	0.49	3.59	20.11
28-3-S	93	25	8.04	8.04	0	-82	1.25	9.15	51.32
28-4-S	93	25	8.04	8.04	1	-160	2.44	17.90	100.36
28-5-S	93	25	8.04	8.04	0	-284	4.32	31.72	177.89
29-1-S	93	25	8.04	8.04	1	0	0.02	0.39	0.71
29-2-S	93	25	8.04	8.04	0	-25	0.38	2.77	15.53
29-3-S	93	25	8.04	8.04	0	-83	1.26	9.27	51.96
29-4-S	93	25	8.04	8.04	0	-183	2.78	20.42	114.52
29-5-S	93	25	8.04	8.04	0	-329	5.00	36.74	205.99

## Combinazioni SLEQ

### Paramento

#### Combinazione n° 21 - SLEQ

Tensione massima di compressione nel calcestruzzo 93.38 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	0	60	0.02	0.33	0.33
3	-0.19	100	25	8.04	8.04	0	121	0.04	0.66	0.66
4	-0.29	100	25	8.04	8.04	0	181	0.07	0.99	0.99
5	-0.39	100	25	8.04	8.04	0	241	0.09	1.32	1.32
6	-0.48	100	25	8.04	8.04	0	301	0.11	1.65	1.65
7	-0.58	100	25	8.04	8.04	0	362	0.13	1.98	1.98
8	-0.68	100	25	8.04	8.04	0	422	0.15	2.31	2.31
9	-0.77	100	25	8.04	8.04	0	482	0.18	2.64	2.64
10	-0.87	100	25	8.04	8.04	0	542	0.20	2.97	2.97
11	-0.96	100	25	8.04	8.04	0	603	0.22	3.30	3.30
12	-1.06	100	25	8.04	8.04	0	663	0.24	3.63	3.63
13	-1.16	100	25	8.04	8.04	0	723	0.26	3.96	3.96
14	-1.25	100	25	8.04	8.04	0	783	0.29	4.29	4.29
15	-1.34	100	25	8.04	8.04	0	844	0.31	4.61	4.62

#### Combinazione n° 24 - SLEQ

Tensione massima di compressione nel calcestruzzo 93.38 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

n°	Y [m]	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1	0.00	100	25	8.04	8.04	0	0	0.00	0.00	0.00
2	-0.10	100	25	8.04	8.04	0	60	0.02	0.33	0.33
3	-0.19	100	25	8.04	8.04	0	121	0.04	0.66	0.66
4	-0.29	100	25	8.04	8.04	0	181	0.07	0.99	0.99
5	-0.39	100	25	8.04	8.04	0	241	0.09	1.32	1.32
6	-0.48	100	25	8.04	8.04	0	301	0.11	1.65	1.65
7	-0.58	100	25	8.04	8.04	0	362	0.13	1.98	1.98
8	-0.68	100	25	8.04	8.04	0	422	0.15	2.31	2.31
9	-0.77	100	25	8.04	8.04	0	482	0.18	2.64	2.64
10	-0.87	100	25	8.04	8.04	0	542	0.20	2.97	2.97
11	-0.96	100	25	8.04	8.04	0	603	0.22	3.30	3.30
12	-1.06	100	25	8.04	8.04	0	663	0.24	3.63	3.63
13	-1.16	100	25	8.04	8.04	0	723	0.26	3.96	3.96
14	-1.25	100	25	8.04	8.04	0	783	0.29	4.29	4.29
15	-1.34	100	25	8.04	8.04	0	844	0.31	4.61	4.62

### Piastra fondazione

#### Combinazione n° 21 - SLEQ

Tensione massima di compressione nel calcestruzzo 93.38 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
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Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-1-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
1-2-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-3-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-4-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-5-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-6-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-7-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-8-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-9-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42
1-10-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-11-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-12-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-13-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-14-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-15-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-16-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-17-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-18-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-19-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-20-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-21-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-22-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-23-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-24-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-25-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-26-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-27-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-28-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-29-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-30-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-31-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-32-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-33-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-34-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-35-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-36-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-37-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-38-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-39-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-40-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-41-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-42-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-43-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-44-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-45-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-46-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-47-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-48-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-49-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-50-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-51-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-52-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-53-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-54-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-55-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-56-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-57-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-58-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-59-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-60-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-61-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-62-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-63-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-64-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-65-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-66-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-67-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-68-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-69-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-70-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-71-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-72-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-73-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-74-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-75-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-76-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-77-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-78-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-79-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-80-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-81-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-82-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-83-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-84-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-85-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-86-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-87-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-88-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-89-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-90-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-91-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-92-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-93-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42



Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-94-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-95-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-96-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-97-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-98-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-99-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-100-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-101-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
3-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
3-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
3-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
3-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
3-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37
4-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
4-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
4-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
4-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
4-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
5-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
5-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
5-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
5-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
5-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
6-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
6-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85
6-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
6-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
6-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
7-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
7-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
7-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
7-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46
7-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
8-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
8-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
8-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
8-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
8-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
9-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
9-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
9-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
9-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
9-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
10-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
10-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
10-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
10-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
10-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
11-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
11-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
11-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
11-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
11-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
12-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
12-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
12-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
12-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
12-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
13-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
13-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
13-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
13-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
13-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71
14-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
14-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
14-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
14-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
14-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
15-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
15-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
15-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
15-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
15-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
16-1-S	93	25	6.03	6.03	189	-149	4.08	192.47	184.60
16-2-S	93	25	6.03	6.03	24	-673	11.77	76.68	555.79
16-3-S	93	25	6.03	6.03	0	-955	16.71	108.88	789.13
16-4-S	93	25	6.03	6.03	0	-421	7.37	47.99	347.80
16-5-S	93	25	6.03	6.03	212	-16	3.71	175.27	34.40
17-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
17-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
17-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
17-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
17-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
18-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
18-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
18-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
18-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
18-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
19-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
19-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
19-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
19-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
19-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71



Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
20-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
20-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
20-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
20-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
20-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
21-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
21-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
21-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
21-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
21-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
22-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
22-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
22-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
22-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
22-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
23-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
23-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
23-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
23-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
23-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
24-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
24-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
24-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
24-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
24-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
25-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
25-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
25-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
25-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46
25-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
26-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
26-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85
26-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
26-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
26-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
27-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
27-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
27-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
27-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
27-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
28-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
28-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
28-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
28-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
28-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
29-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
29-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
29-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
29-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
29-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37

Combinazione n° 24 - SLEQ

Tensione massima di compressione nel calcestruzzo 93.38 [kg/cmq]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
1-1-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
1-2-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-3-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-4-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-5-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-6-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-7-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-8-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-9-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42
1-10-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-11-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-12-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-13-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-14-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-15-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-16-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-17-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-18-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-19-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-20-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-21-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-22-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-23-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-24-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-25-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-26-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-27-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-28-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-29-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-30-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-31-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-32-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-33-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-34-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-35-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-36-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-37-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-38-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-39-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-40-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-41-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-42-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-43-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-44-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-45-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-46-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-47-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-48-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-49-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-50-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-51-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-52-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-53-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-54-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-55-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-56-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-57-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-58-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-59-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-60-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-61-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-62-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-63-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-64-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-65-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-66-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-67-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-68-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-69-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-70-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-71-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-72-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-73-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-74-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-75-P	80	25	8.04	8.04	30	-542	10.35	98.88	397.95
1-76-P	80	25	8.04	8.04	52	-133	2.28	62.29	87.73
1-77-P	80	25	8.04	8.04	24	-23	0.49	18.88	14.63
1-78-P	80	25	8.04	8.04	11	-19	0.31	11.93	11.82
1-79-P	80	25	8.04	8.04	5	-21	0.34	8.41	13.18
1-80-P	80	25	8.04	8.04	11	-19	0.31	11.94	11.82
1-81-P	80	25	8.04	8.04	24	-23	0.49	18.89	14.63
1-82-P	80	25	8.04	8.04	52	-133	2.28	62.30	87.72
1-83-P	80	25	8.04	8.04	30	-542	10.35	98.92	397.92
1-84-P	80	25	8.04	8.04	52	-133	2.28	62.38	87.70
1-85-P	80	25	8.04	8.04	25	-23	0.50	19.05	14.61
1-86-P	80	25	8.04	8.04	12	-19	0.32	12.35	11.76
1-87-P	80	25	8.04	8.04	6	-20	0.34	9.04	12.88
1-88-P	80	25	8.04	8.04	12	-18	0.30	9.59	11.41
1-89-P	80	25	8.04	8.04	26	-22	0.49	18.98	14.12
1-90-P	80	25	8.04	8.04	53	-130	2.23	63.27	85.88
1-91-P	80	25	8.04	8.04	31	-538	10.27	101.70	394.85
1-92-P	80	25	8.04	8.04	56	-130	2.24	61.52	86.19
1-93-P	80	25	8.04	8.04	30	-21	0.61	23.59	13.42
1-94-P	80	25	8.04	8.04	16	-20	0.33	12.21	12.59
1-95-P	80	25	8.04	8.04	4	-26	0.43	5.64	16.56
1-96-P	80	25	8.04	8.04	0	-33	0.54	4.16	20.72
1-97-P	80	25	8.04	8.04	0	-35	0.58	4.48	22.30
1-98-P	80	25	8.04	8.04	0	-34	0.55	4.28	21.33
1-99-P	80	25	8.04	8.04	0	-29	0.47	3.65	18.18
1-100-P	80	25	8.04	8.04	0	-19	0.32	2.44	12.18
1-101-P	80	25	8.04	8.04	1	-9	0.14	1.11	5.53
3-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
3-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
3-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
3-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
3-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37
4-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
4-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
4-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
4-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
4-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
5-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
5-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
5-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
5-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
5-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
6-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
6-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85
6-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
6-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
6-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
7-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
7-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
7-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
7-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm²]	σfi [kg/cm²]	σfs [kg/cm²]
7-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
8-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
8-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
8-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
8-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
8-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
9-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
9-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
9-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
9-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
9-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
10-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
10-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
10-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
10-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
10-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
11-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
11-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
11-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
11-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
11-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
12-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
12-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
12-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
12-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
12-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
13-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
13-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
13-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
13-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
13-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71
14-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
14-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
14-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
14-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
14-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
15-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
15-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
15-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
15-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
15-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
16-1-S	93	25	6.03	6.03	189	-149	4.08	192.47	184.60
16-2-S	93	25	6.03	6.03	24	-673	11.77	76.68	555.79
16-3-S	93	25	6.03	6.03	0	-955	16.71	108.88	789.13
16-4-S	93	25	6.03	6.03	0	-421	7.37	47.99	347.80
16-5-S	93	25	6.03	6.03	212	-16	3.71	175.27	34.40
17-1-S	93	25	8.04	8.04	13	-47	0.71	19.82	29.22
17-2-S	93	25	8.04	8.04	2	-112	1.71	12.55	70.36
17-3-S	93	25	8.04	8.04	0	-204	3.11	22.80	127.86
17-4-S	93	25	8.04	8.04	0	-270	4.11	30.15	169.06
17-5-S	93	25	8.04	8.04	0	-350	5.32	39.05	218.98
18-1-S	93	25	8.04	8.04	192	-131	3.84	157.87	122.63
18-2-S	93	25	8.04	8.04	20	-645	9.80	71.98	403.60
18-3-S	93	25	8.04	8.04	0	-929	14.13	103.76	581.79
18-4-S	93	25	8.04	8.04	0	-414	6.30	46.27	259.44
18-5-S	93	25	8.04	8.04	206	-43	3.87	159.49	79.96
19-1-S	93	25	6.03	6.03	12	-69	1.21	25.75	57.07
19-2-S	93	25	6.03	6.03	6	-148	2.58	16.83	121.96
19-3-S	93	25	6.03	6.03	0	-240	4.21	27.42	198.74
19-4-S	93	25	6.03	6.03	0	-280	4.89	31.87	231.02
19-5-S	93	25	6.03	6.03	6	-305	5.33	34.73	251.71
20-1-S	93	25	8.04	8.04	191	-96	3.64	149.79	99.77
20-2-S	93	25	8.04	8.04	14	-571	8.68	63.74	357.41
20-3-S	93	25	8.04	8.04	0	-850	12.94	94.97	532.52
20-4-S	93	25	8.04	8.04	0	-396	6.02	44.19	247.77
20-5-S	93	25	8.04	8.04	173	-95	3.95	162.65	125.38
21-1-S	93	25	8.04	8.04	14	-127	1.93	21.20	79.59
21-2-S	93	25	8.04	8.04	19	-221	3.36	24.66	138.28
21-3-S	93	25	8.04	8.04	0	-307	4.68	34.34	192.56
21-4-S	93	25	8.04	8.04	0	-300	4.56	33.48	187.73
21-5-S	93	25	8.04	8.04	39	-242	4.29	84.60	176.49
22-1-S	93	25	8.04	8.04	121	-124	3.07	126.29	96.84
22-2-S	93	25	8.04	8.04	19	-423	6.43	47.19	264.61
22-3-S	93	25	8.04	8.04	0	-631	9.60	70.47	395.12
22-4-S	93	25	8.04	8.04	0	-355	5.40	39.62	222.16
22-5-S	93	25	8.04	8.04	115	-159	3.62	137.60	148.94
23-1-S	93	25	6.03	6.03	84	-103	2.45	115.56	106.51
23-2-S	93	25	6.03	6.03	14	-372	6.51	42.43	307.54
23-3-S	93	25	6.03	6.03	0	-552	9.66	62.92	456.01
23-4-S	93	25	6.03	6.03	0	-341	5.97	38.87	281.69
23-5-S	93	25	6.03	6.03	97	-175	4.29	168.07	202.36
24-1-S	93	25	8.04	8.04	14	-113	1.72	14.76	71.00
24-2-S	93	25	8.04	8.04	13	-249	3.79	27.81	155.91
24-3-S	93	25	8.04	8.04	0	-357	5.43	39.90	223.72
24-4-S	93	25	8.04	8.04	0	-308	4.68	34.39	192.82
24-5-S	93	25	8.04	8.04	51	-225	4.23	95.75	174.18
25-1-S	93	25	8.04	8.04	186	-98	3.50	143.94	85.87
25-2-S	93	25	8.04	8.04	13	-544	8.27	60.75	340.62
25-3-S	93	25	8.04	8.04	0	-808	12.30	90.27	506.18
25-4-S	93	25	8.04	8.04	0	-387	5.89	43.24	242.46
25-5-S	93	25	8.04	8.04	161	-111	3.95	162.58	132.33
26-1-S	93	25	6.03	6.03	12	-79	1.39	25.60	65.45
26-2-S	93	25	6.03	6.03	9	-161	2.81	18.33	132.85

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	σfi [kg/cmq]	σfs [kg/cmq]
26-3-S	93	25	6.03	6.03	0	-252	4.40	28.70	208.01
26-4-S	93	25	6.03	6.03	0	-280	4.90	31.94	231.53
26-5-S	93	25	6.03	6.03	12	-287	5.28	50.22	249.26
27-1-S	93	25	8.04	8.04	198	-121	3.51	144.50	113.76
27-2-S	93	25	8.04	8.04	19	-628	9.56	70.18	393.51
27-3-S	93	25	8.04	8.04	0	-908	13.82	101.43	568.75
27-4-S	93	25	8.04	8.04	0	-395	6.01	44.09	247.20
27-5-S	93	25	8.04	8.04	212	-44	3.99	164.31	82.80
28-1-S	93	25	8.04	8.04	7	-23	0.35	4.37	14.30
28-2-S	93	25	8.04	8.04	2	-56	0.85	6.24	34.97
28-3-S	93	25	8.04	8.04	0	-125	1.90	13.92	78.05
28-4-S	93	25	8.04	8.04	0	-222	3.38	24.84	139.31
28-5-S	93	25	8.04	8.04	0	-360	5.48	40.23	225.60
29-1-S	93	25	8.04	8.04	1	-3	0.05	0.87	2.08
29-2-S	93	25	8.04	8.04	0	-30	0.45	3.32	18.61
29-3-S	93	25	8.04	8.04	0	-91	1.39	10.22	57.29
29-4-S	93	25	8.04	8.04	0	-193	2.94	21.56	120.88
29-5-S	93	25	8.04	8.04	0	-338	5.13	37.70	211.37

### Verifica a fessurazione

#### Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Af	area ferri zona tesa espresso in [cmq]
Aeff	area efficace espressa in [cmq]
M	momento agente espressa in [kgm]
Mpf	momento di formazione/apertura fessure espressa in [kgm]
ε	deformazione espresso in %
Sm	spaziatura tra le fessure espressa in [mm]
w	apertura delle fessure espressa in [mm]

### Combinazioni SLEF

#### Paramento

#### Combinazione n° 20 - SLEF

Apertura limite fessure  $w_{lim}=0.40$

n°	Y [m]	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	0.00	100	25	0.00	0.00	0	0	---	---	0.000
2	-0.10	100	25	0.00	0.00	0	0	---	---	0.000
3	-0.19	100	25	0.00	0.00	0	0	---	---	0.000
4	-0.29	100	25	0.00	0.00	0	0	---	---	0.000
5	-0.39	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
6	-0.48	100	25	0.00	0.00	0	0	---	---	0.000
7	-0.58	100	25	0.00	0.00	0	0	---	---	0.000
8	-0.68	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
9	-0.77	100	25	0.00	0.00	0	0	---	---	0.000
10	-0.87	100	25	0.00	0.00	0	0	---	---	0.000
11	-0.96	100	25	0.00	0.00	0	0	---	---	0.000
12	-1.06	100	25	0.00	0.00	0	0	---	---	0.000
13	-1.16	100	25	0.00	0.00	0	0	---	---	0.000
14	-1.25	100	25	8.04	639.16	0	3284	0.000000	0.00	0.000
15	-1.34	100	25	8.04	638.88	0	3286	0.000000	0.00	0.000

#### Combinazione n° 23 - SLEF

Apertura limite fessure  $w_{lim}=0.40$

n°	Y [m]	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	0.00	100	25	0.00	0.00	0	0	---	---	0.000
2	-0.10	100	25	8.04	642.40	1	3252	0.000000	0.00	0.000
3	-0.19	100	25	8.04	642.13	3	3255	0.000000	0.00	0.000
4	-0.29	100	25	8.04	641.86	6	3258	0.000000	0.00	0.000
5	-0.39	100	25	8.04	641.59	11	3260	0.000000	0.00	0.000
6	-0.48	100	25	8.04	641.32	17	3263	0.000000	0.00	0.000
7	-0.58	100	25	8.04	641.05	24	3266	0.000000	0.00	0.000
8	-0.68	100	25	8.04	640.78	33	3268	0.000000	0.00	0.000
9	-0.77	100	25	8.04	640.51	43	3271	0.000000	0.00	0.000
10	-0.87	100	25	8.04	640.24	54	3273	0.000000	0.00	0.000
11	-0.96	100	25	8.04	639.97	67	3276	0.000000	0.00	0.000
12	-1.06	100	25	8.04	639.70	81	3279	0.000000	0.00	0.000
13	-1.16	100	25	8.04	639.43	96	3281	0.000000	0.00	0.000
14	-1.25	100	25	8.04	639.15	113	3284	0.000000	0.00	0.000
15	-1.34	100	25	8.04	638.88	131	3286	0.000000	0.00	0.000

Piastra fondazioneCombinazione n° 20 - SLEFApertura limite fessure  $w_{lim}=0.40$ 

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-16-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-20-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-27-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-36-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-86-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-95-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
4-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
5-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
6-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
8-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	189	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-673	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-955	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-421	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	212	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
18-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
20-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
23-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
23-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
25-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
27-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000

### Combinazione n° 23 - SLEF

Apertura limite fessure  $w_{lim}=0.40$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-25	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-24	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	17	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	45	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-105	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-506	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	44	-2680	0.000000	0.00	0.000
1-16-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-20-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000



Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-27-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-36-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	43	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-505	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-86-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	44	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	46	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	51	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-103	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-506	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-105	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	45	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-95-P	80	25	8.04	501.97	17	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-24	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-25	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	1	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-25	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-83	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-183	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-329	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-9	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-32	-3039	0.000000	0.00	0.000
4-3-S	93	25	8.04	590.26	-82	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-160	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-284	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	151	-3039	0.000000	0.00	0.000
5-2-S	93	25	8.04	590.26	-530	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-679	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-188	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	357	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-57	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-100	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-141	-2939	0.000000	0.00	0.000



Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
6-4-S	93	25	6.03	607.91	-125	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-139	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	147	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-451	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-587	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-178	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	281	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-87	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-175	-3039	0.000000	0.00	0.000
8-3-S	93	25	8.04	590.26	-226	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-137	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	118	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-81	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-291	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-382	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-154	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	187	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-99	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-336	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-445	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-161	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-99	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-149	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-186	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-133	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	151	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-476	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-621	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-182	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	301	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-46	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-88	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-130	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-126	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	150	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-539	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-686	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-190	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	365	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-27	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-59	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-100	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-123	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-171	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	147	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-562	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-708	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-191	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	391	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-27	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-59	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-100	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-123	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-171	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	150	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-539	-3039	0.000000	0.00	0.000
18-3-S	93	25	8.04	590.26	-686	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-190	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	365	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-46	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-88	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-130	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-126	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	151	-3039	0.000000	0.00	0.000
20-2-S	93	25	8.04	590.26	-476	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-621	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-182	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	301	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-99	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-149	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-186	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-133	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-99	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-336	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-445	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-161	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
23-1-S	93	25	6.03	607.91	-81	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-291	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-382	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-154	-2939	0.000000	0.00	0.000
23-5-S	93	25	6.03	607.91	187	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-87	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-175	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-226	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-137	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	118	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	147	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
25-2-S	93	25	8.04	590.26	-451	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-587	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-178	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	281	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-57	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-100	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-141	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-125	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-139	-2939	0.000000	0.00	0.000
27-1-S	93	25	8.04	590.26	151	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-530	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-679	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-188	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	357	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-9	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-32	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-82	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-160	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-284	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	1	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-25	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-83	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-183	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-329	-3039	0.000000	0.00	0.000

## Combinazioni SLEQ

### Paramento

#### Combinazione n° 21 - SLEQ

Apertura limite fessure  $w_{lim}=0.30$

n°	Y [m]	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	0.00	100	25	0.00	0.00	0	0	---	---	0.000
2	-0.10	100	25	0.00	0.00	0	0	---	---	0.000
3	-0.19	100	25	0.00	0.00	0	0	---	---	0.000
4	-0.29	100	25	0.00	0.00	0	0	---	---	0.000
5	-0.39	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
6	-0.48	100	25	0.00	0.00	0	0	---	---	0.000
7	-0.58	100	25	0.00	0.00	0	0	---	---	0.000
8	-0.68	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
9	-0.77	100	25	0.00	0.00	0	0	---	---	0.000
10	-0.87	100	25	0.00	0.00	0	0	---	---	0.000
11	-0.96	100	25	0.00	0.00	0	0	---	---	0.000
12	-1.06	100	25	0.00	0.00	0	0	---	---	0.000
13	-1.16	100	25	0.00	0.00	0	0	---	---	0.000
14	-1.25	100	25	8.04	639.16	0	3284	0.000000	0.00	0.000
15	-1.34	100	25	8.04	638.88	0	3286	0.000000	0.00	0.000

#### Combinazione n° 24 - SLEQ

Apertura limite fessure  $w_{lim}=0.30$

n°	Y [m]	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	0.00	100	25	0.00	0.00	0	0	---	---	0.000
2	-0.10	100	25	0.00	0.00	0	0	---	---	0.000
3	-0.19	100	25	0.00	0.00	0	0	---	---	0.000
4	-0.29	100	25	0.00	0.00	0	0	---	---	0.000
5	-0.39	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
6	-0.48	100	25	0.00	0.00	0	0	---	---	0.000
7	-0.58	100	25	0.00	0.00	0	0	---	---	0.000
8	-0.68	100	25	0.00	0.00	0	0	0.000000	0.00	0.000
9	-0.77	100	25	0.00	0.00	0	0	---	---	0.000
10	-0.87	100	25	0.00	0.00	0	0	---	---	0.000
11	-0.96	100	25	0.00	0.00	0	0	---	---	0.000
12	-1.06	100	25	0.00	0.00	0	0	---	---	0.000
13	-1.16	100	25	0.00	0.00	0	0	---	---	0.000
14	-1.25	100	25	8.04	639.16	0	3284	0.000000	0.00	0.000
15	-1.34	100	25	8.04	638.88	0	3286	0.000000	0.00	0.000

### Piastra fondazione

#### Combinazione n° 21 - SLEQ

Apertura limite fessure  $w_{lim}=0.30$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-16-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-20-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-27-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-36-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-86-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-95-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
4-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
5-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
6-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
8-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	189	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-673	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-955	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-421	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	212	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
18-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
20-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
23-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
23-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
25-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
27-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000

Combinazione n° 24 - SLEQApertura limite fessure  $w_{lim}=0.30$ 

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-16-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-20-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-27-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-36-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-86-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-95-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
4-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
5-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
6-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
8-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	189	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-673	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-955	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-421	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	212	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
18-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
20-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
23-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
23-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
25-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
27-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000



Risultati per involucro

Spinta e forze

Simbologia adottata

Ic           Indice della combinazione  
A           Tipo azione  
I           Inclinazione della spinta, espressa in [°]  
V           Valore dell'azione, espressa in [kg]  
Cx, Cy      Componente in direzione X ed Y dell'azione, espressa in [kg]  
Px, Py      Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kg]	I [°]	Cx [kg]	Cy [kg]	Px [m]	Py [m]
1	Spinta statica	23	16.00	22	6	0.00	-1.37
	Peso/Inerzia muro			0	1500/0	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			0	372	-0.65	-1.23
	Risultante forze sul muro			672	0	--	--
	Resistenza pali			-4574			
3	Spinta statica	5	16.00	5	1	0.00	-1.47
	Incremento di spinta sismica		101	97	28	0.00	-1.07
	Peso/Inerzia muro			196	1500/98	-0.30	-1.03
	Peso/Inerzia terreno sulla fondazione di valle			49	372	-0.65	-1.23
	Resistenza pali			-688			

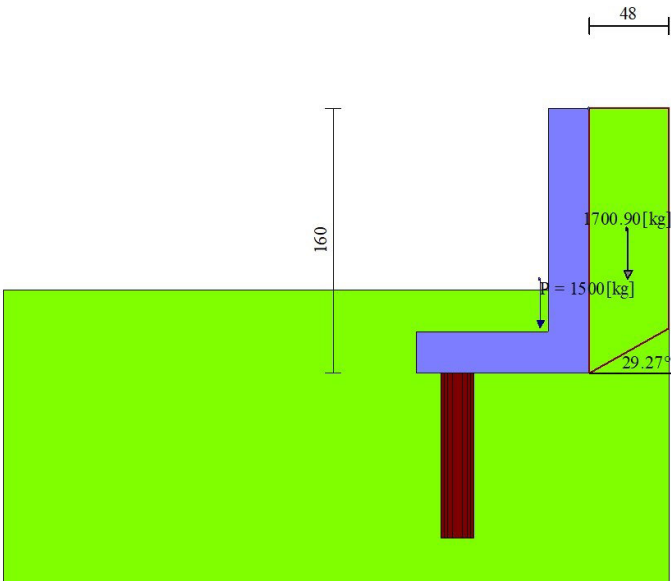


Fig. 23 - Cuneo di spinta (combinazione statica) (Combinazione n° 1)

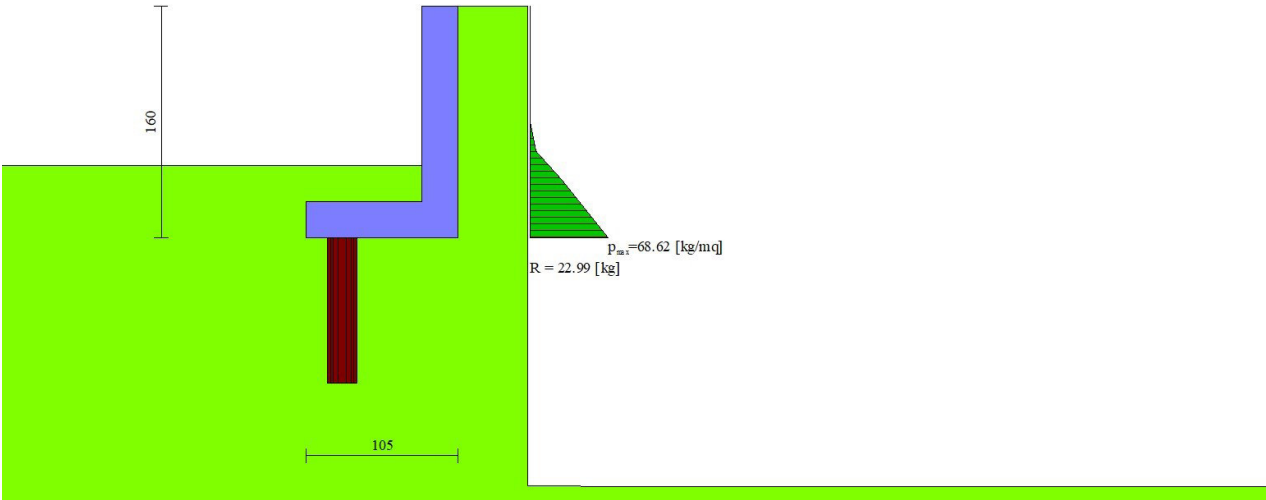


Fig. 24 - Diagramma delle pressioni (combinazione statica) (Combinazione n° 1)

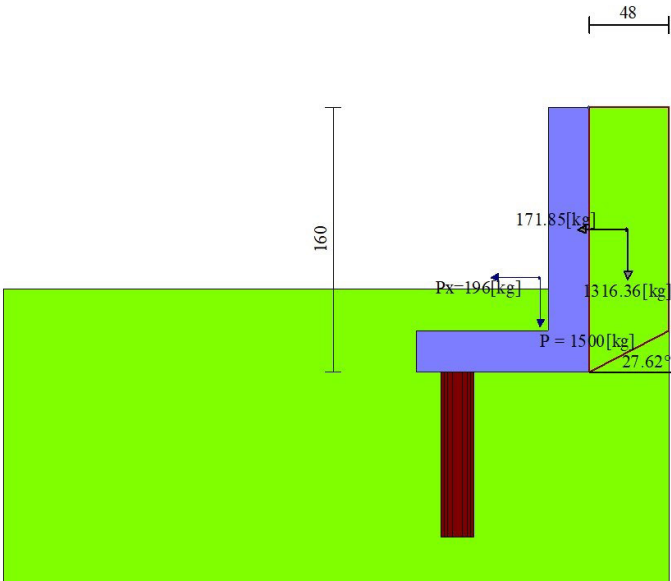


Fig. 25 - Cuneo di spinta (combinazione sismica) (Combinazione n° 3)

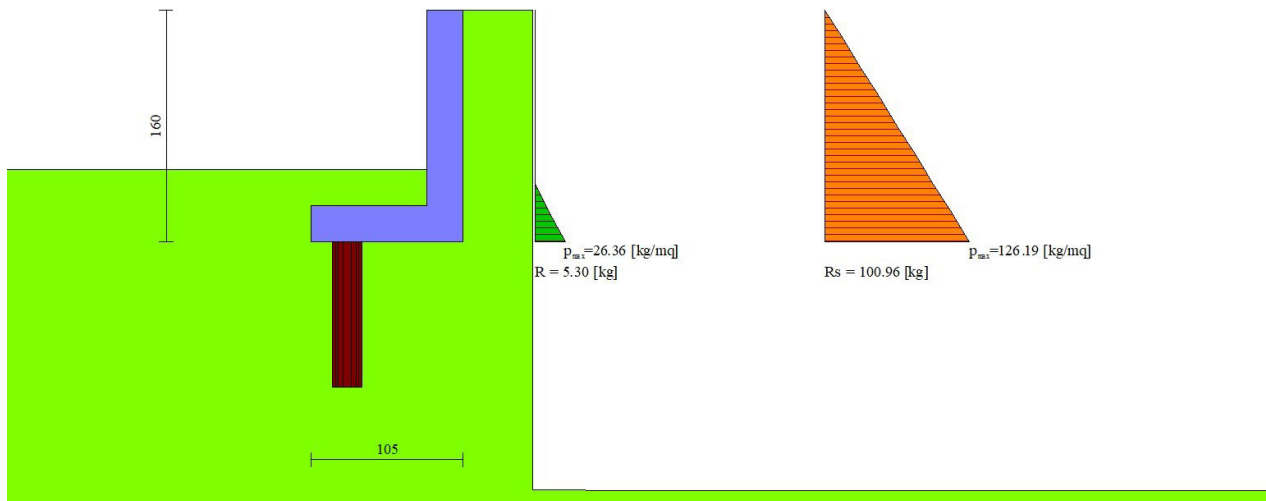


Fig. 26 - Diagramma delle pressioni (combinazione sismica) (Combinazione n° 3)

### Scarichi in testa ai pali

#### Simbologia adottata

Cmb	Indice/Tipo combinazione
Ip	Indice palo
N	Sforzo normale, espresso in [kg]
M	Momento, espresso in [kgm]
T	Taglio, espresso in [kg]

Cmb	Ip	N [kg]	M [kgm]	T [kg]
1 - STR (A1-M1-R3)	1	4269	-418	-1578
3 - STR (A1-M1-R3) H + V	1	4544	-1579	-788

### Verifiche geotecniche

#### Quadro riassuntivo coeff. di sicurezza calcolati

#### Simbologia adottata

Cmb	Indice/Tipo combinazione
S	Sisma (H: componente orizzontale, V: componente verticale)
FS <sub>SCO</sub>	Coeff. di sicurezza allo scorrimento
FS <sub>RIB</sub>	Coeff. di sicurezza al ribaltamento
FS <sub>QLIM</sub>	Coeff. di sicurezza a carico limite
FS <sub>STAB</sub>	Coeff. di sicurezza a stabilità globale
FS <sub>HYD</sub>	Coeff. di sicurezza a sifonamento
FS <sub>SUPL</sub>	Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS <sub>SCO</sub>	FS <sub>RIB</sub>	FS <sub>QLIM</sub>	FS <sub>STAB</sub>	FS <sub>HYD</sub>	FS <sub>SUPL</sub>
1 - STR (A1-M1-R3)		6.587					
2 - STR (A1-M1-R3)		1.454					
3 - STR (A1-M1-R3)	H + V	1.985					
4 - STR (A1-M1-R3)	H - V	2.303					
5 - STR (A1-M1-R3)		3.240					
6 - STR (A1-M1-R3)		6.781					
7 - STR (A1-M1-R3)		3.372					
8 - STR (A1-M1-R3)		1.752					
9 - STR (A1-M1-R3)		1.472					
10 - STR (A1-M1-R3)		1.729					
11 - GEO (A2-M2-R2)					83.508		
12 - GEO (A2-M2-R2)					83.508		
13 - GEO (A2-M2-R2)	H + V				41.311		
14 - GEO (A2-M2-R2)	H - V				42.163		
15 - EQU (A1-M1-R3)			20.521				
16 - EQU (A1-M1-R3)			9.503				
17 - EQU (A1-M1-R3)	H + V		70.734				
18 - EQU (A1-M1-R3)	H - V		50.839				

*Verifiche portanza trasversale (scorrimento)*

## Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
T	Carico orizzontale agente alla testa del palo, espresso in [kg]
Td	Portanza trasversale di progetto, espresso in [kg]
FS <sub>o</sub>	Fattore di sicurezza (Td/T)

Ic	Ip	T [kg]	Td [kg]	FS <sub>o</sub>
2 - STR (A1-M1-R3)	1	-3364	4892	1.454
3 - STR (A1-M1-R3) H + V	1	-788	1563	1.985

*Verifiche portanza verticale*

## Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
N	Carico verticale agente alla testa del palo, espresso in [kg]
Pd	Portanza di progetto, espresso in [kg]
FS <sub>v</sub>	Fattore di sicurezza (Pd/N)

Ic	Ip	N [kg]	Pd [kg]	FS <sub>v</sub>
2 - STR (A1-M1-R3)	1	4269	15118	3.541
3 - STR (A1-M1-R3) H + V	1	4544	15118	3.327
3 - STR (A1-M1-R3) H + V	1	4544	15118	3.327
5 - STR (A1-M1-R3)	1	5545	15118	2.726

**Dettagli calcolo portanza verticale**

## Simbologia adottata

n°	Indice palo
Nc, Nq	Coeff. di capacità portante
N'c, N'q	Coeff. di capacità portante corretti
Zc	Massima profondità andamento pressione geostatica, espressa in [m]
Pp, Pl	Portanza di punta e laterale caratteristica, espresse in [kg]
A	Attrito negativo, espresso in [kg]
Wp	Peso palo, espresso in [kg]

n°	Nc	N'c	Nq	N'q	Zc [m]	Pp [kg]	Pl [kg]	A [kg]	Wp [kg]
1	30.633	30.633	17.014	17.014	--	31448 31448	4407 4407	0	839

*Verifica a ribaltamento*

## Simbologia adottata

n°	Indice combinazione
Ms	Momento stabilizzante, espresso in [kgm]
Mr	Momento ribaltante, espresso in [kgm]
FS	Fattore di sicurezza (rapporto tra momento stabilizzante e momento ribaltante)

La verifica viene eseguita rispetto allo spigolo inferiore esterno della fondazione

n°	Ms [kgm]	Mr [kgm]	FS
16 - EQU (A1-M1-R3)	12864	1354	9.503
18 - EQU (A1-M1-R3) H - V	12887	253	50.839

*Verifica stabilità globale muro + terreno*

## Simbologia adottata

Ic	Indice/Tipo combinazione
C	Centro superficie di scorrimento, espresso in [m]
R	Raggio, espresso in [m]
FS	Fattore di sicurezza

Ic	C [m]	R [m]	FS
11 - GEO (A2-M2-R2)	-2.50; 0.00	2.98	83.508
13 - GEO (A2-M2-R2) H + V	-4.50; 0.50	4.98	41.311

**Dettagli strisce verifiche stabilità**

## Simbologia adottata

Le ascisse X sono considerate positive verso monte

Le ordinate Y sono considerate positive verso l'alto

Origine in testa al muro (spigolo contro terra)

W peso della striscia espresso in [kg]

Qy carico sulla striscia espresso in [kg]

Qf carico acqua sulla striscia espresso in [kg]

 $\alpha$  angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario) $\phi$  angolo d'attrito del terreno lungo la base della striscia

c coesione del terreno lungo la base della striscia espressa in [kg/cmq]

b larghezza della striscia espressa in [m]

u pressione neutra lungo la base della striscia espressa in [kg/cmq]

Tx; Ty Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kg/cmq]

n°	W [kg]	Qy [kg]	Qf [kg]	b [m]	$\alpha$ [°]	$\phi$ [°]	c [kg/cm <sup>2</sup> ]	u [kg/cm <sup>2</sup> ]	Tx; Ty [kg]
1	246	0	0	0.48 - 0.23	78.661	21.315	0.80	0.000	
2	587	0	0	0.23	62.517	21.315	0.80	0.000	
3	1007	0	0	0.23	53.945	21.315	0.80	0.000	
4	475	0	0	0.23	46.934	21.315	0.80	0.000	
5	531	0	0	0.23	40.763	21.315	0.80	0.000	
6	608	0	0	0.23	35.128	21.315	0.80	0.000	
7	657	0	0	0.23	29.864	21.315	0.80	0.000	
8	685	0	0	0.23	24.867	21.315	0.80	0.000	
9	726	0	0	0.23	20.066	21.315	0.80	0.000	
10	758	0	0	0.23	15.409	21.315	0.80	0.000	
11	781	0	0	0.23	10.855	21.315	0.80	0.000	
12	796	0	0	0.23	6.370	21.315	0.80	0.000	
13	803	0	0	0.23	1.924	21.315	0.80	0.000	
14	802	0	0	0.23	-2.510	21.315	0.80	0.000	
15	794	0	0	0.23	-6.960	21.315	0.80	0.000	
16	778	0	0	0.23	-11.452	21.315	0.80	0.000	
17	754	0	0	0.23	-16.018	21.315	0.80	0.000	
18	721	0	0	0.23	-20.691	21.315	0.80	0.000	
19	679	0	0	0.23	-25.515	21.315	0.80	0.000	
20	626	0	0	0.23	-30.542	21.315	0.80	0.000	
21	562	0	0	0.23	-35.849	21.315	0.80	0.000	
22	482	0	0	0.23	-41.543	21.315	0.80	0.000	
23	384	0	0	0.23	-47.803	21.315	0.80	0.000	
24	259	0	0	0.23	-54.963	21.315	0.80	0.000	
25	89	0	0	-5.28 - 0.23	-62.466	21.315	0.80	0.000	

Resistenza al taglio pali 40502 [kg]

n°	W [kg]	Qy [kg]	Qf [kg]	b [m]	$\alpha$ [°]	$\phi$ [°]	c [kg/cm <sup>2</sup> ]	u [kg/cm <sup>2</sup> ]	Tx; Ty [kg]
1	526	0	0	0.46 - 0.39	75.147	26.000	1.00	0.000	
2	1450	0	0	0.39	62.038	26.000	1.00	0.000	
3	1036	0	0	0.39	53.525	26.000	1.00	0.000	
4	1365	0	0	0.39	46.529	26.000	1.00	0.000	
5	1575	0	0	0.39	40.359	26.000	1.00	0.000	
6	1790	0	0	0.39	34.718	26.000	1.00	0.000	
7	1966	0	0	0.39	29.443	26.000	1.00	0.000	
8	2108	0	0	0.39	24.433	26.000	1.00	0.000	
9	2221	0	0	0.39	19.615	26.000	1.00	0.000	
10	2308	0	0	0.39	14.939	26.000	1.00	0.000	
11	2370	0	0	0.39	10.364	26.000	1.00	0.000	
12	2410	0	0	0.39	5.855	26.000	1.00	0.000	
13	2428	0	0	0.39	1.382	26.000	1.00	0.000	
14	2424	0	0	0.39	-3.082	26.000	1.00	0.000	
15	2398	0	0	0.39	-7.565	26.000	1.00	0.000	
16	2349	0	0	0.39	-12.096	26.000	1.00	0.000	
17	2278	0	0	0.39	-16.705	26.000	1.00	0.000	
18	2181	0	0	0.39	-21.430	26.000	1.00	0.000	
19	2057	0	0	0.39	-26.314	26.000	1.00	0.000	
20	1903	0	0	0.39	-31.415	26.000	1.00	0.000	
21	1714	0	0	0.39	-36.815	26.000	1.00	0.000	
22	1481	0	0	0.39	-42.633	26.000	1.00	0.000	
23	1191	0	0	0.39	-49.070	26.000	1.00	0.000	
24	820	0	0	0.39	-56.521	26.000	1.00	0.000	
25	295	0	0	-9.22 - 0.39	-65.384	26.000	1.00	0.000	

Resistenza al taglio pali 40502 [kg]



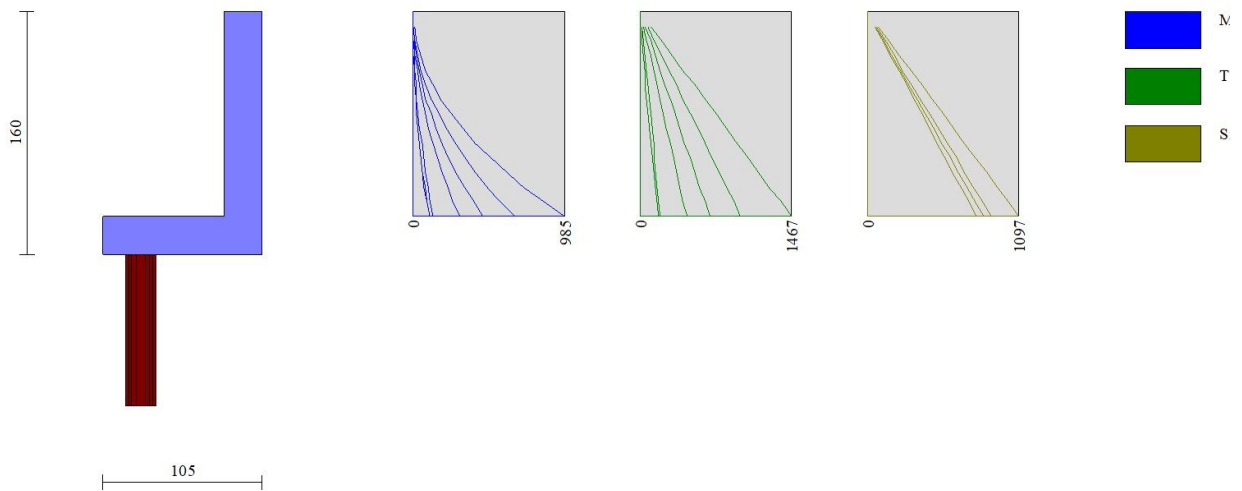


Fig. 28 - Paramento

*Piastra fondazione*

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
1	18	16	12	-23	215	MAX
	0	-1	1	-32	165	MIN
2	44	6	17	48	138	MAX
	2	-4	-3	-26	68	MIN
3	22	-14	23	21	281	MAX
	-1	-39	-4	-117	195	MIN
4	4	-15	18	8	441	MAX
	1	-39	2	-85	282	MIN
5	87	14	34	218	151	MAX
	-1	-1	-5	-36	67	MIN
6	51	-1	41	35	316	MAX
	-9	-38	-7	-191	217	MIN
7	-2	-78	22	52	583	MAX
	-13	-120	-6	-52	443	MIN
8	-4	-87	24	42	781	MAX
	-5	-128	4	-19	438	MIN
9	9	-56	39	49	635	MAX
	-29	-114	-8	-137	479	MIN
10	139	22	59	456	158	MAX
	-7	-2	-8	-69	12	MIN
11	91	21	71	31	301	MAX
	-15	-41	-9	-290	165	MIN
12	39	-17	67	27	624	MAX
	-36	-117	-9	-240	452	MIN
13	-35	-182	12	129	959	MAX
	-48	-252	-9	31	695	MIN
14	4	-187	3	194	918	MAX
	0	-253	-15	127	453	MIN
15	-43	-171	24	63	962	MAX
	-70	-254	-6	-133	713	MIN
16	-21	-120	43	33	938	MAX
	-70	-239	-5	-265	718	MIN
17	208	32	98	828	169	MAX
	-10	-3	-11	-129	-77	MIN
18	146	54	116	21	295	MAX
	-17	-45	-12	-410	66	MIN
19	84	46	110	12	592	MAX
	-38	-123	-10	-345	386	MIN
20	17	-32	72	18	914	MAX
	-72	-239	-6	-415	680	MIN
21	-104	-346	4	0	1164	MAX
	-137	-457	-8	0	825	MIN
22	-94	-314	-21	0	941	MAX
	-130	-435	-35	0	430	MIN
23	-98	-328	12	0	1131	MAX
	-136	-454	-3	0	821	MIN
24	-88	-293	21	0	1117	MAX
	-131	-436	-3	0	821	MIN
25	-58	-193	36	0	1077	MAX
	-121	-402	-3	0	825	MIN
26	289	44	153	1421	186	MAX
	-10	-6	-17	-220	-210	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
27	212	101	179	23	309	MAX
	-11	-50	-17	-512	-97	MIN
28	143	140	171	-7	532	MAX
	-31	-131	-12	-438	193	MIN
29	72	108	115	-8	845	MAX
	-69	-248	-5	-602	564	MIN
30	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
31	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
32	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
33	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
34	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
35	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
36	-6	-21	58	0	1017	MAX
	-121	-404	-2	0	722	MIN
37	357	53	226	2351	223	MAX
	-10	-9	-33	-396	-386	MIN
38	272	158	258	75	320	MAX
	4	-66	-26	-532	-344	MIN
39	207	266	251	11	510	MAX
	-10	-147	-14	-465	-160	MIN
40	144	312	170	-75	710	MAX
	-55	-253	4	-776	173	MIN
41	78	259	89	0	821	MAX
	-122	-405	5	0	363	MIN
42	78	259	89	0	821	MAX
	-122	-405	5	0	363	MIN
43	359	65	309	3650	352	MAX
	-43	-50	-61	-698	-657	MIN
44	283	220	355	299	391	MAX
	28	-105	-65	-311	-737	MIN
45	245	420	334	78	373	MAX
	34	-188	-14	-269	-730	MIN
46	219	590	232	-60	441	MAX
	-13	-254	27	-871	-536	MIN
47	203	678	124	0	565	MAX
	-108	-361	26	0	-428	MIN
48	203	678	124	0	565	MAX
	-108	-361	26	0	-428	MIN
49	163	26	403	6186	450	MAX
	-79	-5	-186	-2455	-638	MIN
50	150	279	371	914	221	MAX
	42	-240	-49	262	-1018	MIN
51	218	617	398	1358	-14	MAX
	69	-347	-20	-211	-1607	MIN
52	261	921	272	340	-321	MAX
	0	-286	79	-848	-1770	MIN
53	366	1221	150	0	-623	MAX
	-51	-170	63	0	-1720	MIN
54	366	1221	150	0	-623	MAX
	-51	-170	63	0	-1720	MIN
55	-172	-51	294	6819	4048	MAX
	-790	-428	-223	-4556	-3547	MIN
56	57	349	649	4411	4043	MAX
	-69	-510	-585	3135	-4117	MIN
57	-77	644	409	3117	710	MAX
	-227	-643	-71	-598	-3771	MIN
58	292	1315	244	692	-2430	MAX
	-167	-355	63	-659	-3645	MIN
59	538	1793	116	0	-2183	MAX
	74	246	75	0	-3822	MIN
60	538	1793	116	0	-2183	MAX
	74	246	75	0	-3822	MIN
61	674	1007	35	248	13302	MAX
	-1591	-386	-6	-54	-9120	MIN
62	-1387	-479	42	16	7836	MAX
	-2002	-2062	-6	-195	-16402	MIN
63	243	2119	39	13	919	MAX
	-1243	-2354	-6	-159	-16188	MIN
64	376	1664	24	19	-1328	MAX
	-369	-477	-4	-160	-6990	MIN
65	633	2110	11	0	-2125	MAX
	152	508	-2	0	-5465	MIN
66	633	2110	11	0	-2125	MAX
	152	508	-2	0	-5465	MIN
67	-176	-38	211	4435	4059	MAX
	-706	-429	-215	-6238	-3640	MIN
68	54	387	572	-3371	4057	MAX
	-5	-513	-556	-4592	-4206	MIN
69	-28	710	59	263	729	MAX
	-230	-651	-321	-3094	-3830	MIN
70	328	1397	-71	310	-2434	MAX
	-171	-367	-192	-656	-3629	MIN
71	561	1869	-68	0	-2158	MAX
	69	230	-98	0	-3792	MIN
72	561	1869	-68	0	-2158	MAX
	69	230	-98	0	-3792	MIN
73	342	53	172	2294	474	MAX
	-84	-7	-294	-5296	-845	MIN



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
74	283	361	34	-735	251	MAX
	39	-248	-243	-1086	-1224	MIN
75	321	762	7	-183	25	MAX
	66	-363	-277	-1344	-1766	MIN
76	341	1108	-87	387	-276	MAX
	-7	-309	-198	-315	-1810	MIN
77	424	1415	-67	0	-575	MAX
	-61	-202	-114	0	-1704	MIN
78	424	1415	-67	0	-575	MAX
	-61	-202	-114	0	-1704	MIN
79	633	106	42	461	396	MAX
	-48	-55	-151	-2203	-1008	MIN
80	494	353	46	-231	438	MAX
	31	-119	-170	-334	-1115	MIN
81	414	667	1	-81	425	MAX
	37	-212	-157	-217	-1079	MIN
82	358	924	-33	254	503	MAX
	-18	-289	-119	58	-755	MIN
83	315	1048	-28	0	638	MAX
	-123	-408	-67	0	-573	MIN
84	315	1048	-28	0	638	MAX
	-123	-408	-67	0	-573	MIN
85	706	105	2	8	304	MAX
	-15	-18	-1	-5	-919	MIN
86	549	352	3	4	380	MAX
	22	-95	-1	-22	-973	MIN
87	445	645	2	4	542	MAX
	14	-187	-1	-17	-860	MIN
88	358	856	1	4	742	MAX
	-46	-295	-1	-12	-428	MIN
89	274	912	0	0	858	MAX
	-137	-456	0	0	-163	MIN
90	274	912	0	0	858	MAX
	-137	-456	0	0	-163	MIN
91	645	108	157	2229	398	MAX
	-50	-56	-44	-473	-1018	MIN
92	502	357	177	319	440	MAX
	29	-120	-48	180	-1120	MIN
93	419	673	163	180	426	MAX
	36	-214	-3	89	-1074	MIN
94	361	930	122	-50	503	MAX
	-18	-291	31	-282	-739	MIN
95	315	1051	68	0	638	MAX
	-123	-410	28	0	-552	MIN
96	315	1051	68	0	638	MAX
	-123	-410	28	0	-552	MIN
97	369	57	305	5354	479	MAX
	-89	-7	-174	-2314	-868	MIN
98	301	371	255	1060	255	MAX
	36	-250	-37	659	-1238	MIN
99	332	778	288	1353	28	MAX
	64	-366	-10	123	-1757	MIN
100	348	1123	204	325	-276	MAX
	-8	-313	85	-438	-1778	MIN
101	427	1422	116	0	-576	MAX
	-62	-206	67	0	-1662	MIN
102	427	1422	116	0	-576	MAX
	-62	-206	67	0	-1662	MIN
103	-183	-30	235	6360	4067	MAX
	-659	-430	-215	-4468	-3684	MIN
104	56	406	579	4530	4066	MAX
	31	-517	-577	3367	-4236	MIN
105	-4	740	342	3106	736	MAX
	-234	-656	-63	-361	-3824	MIN
106	343	1429	204	670	-2385	MAX
	-174	-374	68	-400	-3604	MIN
107	566	1886	99	0	-2090	MAX
	67	222	73	0	-3759	MIN
108	566	1886	99	0	-2090	MAX
	67	222	73	0	-3759	MIN
109	665	1006	0	0	13223	MAX
	-1505	-373	0	-2	-9107	MIN
110	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	-1	-16387	MIN
111	285	2174	0	0	910	MAX
	-1249	-2363	0	0	-16173	MIN
112	403	1726	0	0	-1270	MAX
	-374	-489	0	0	-6979	MIN
113	646	2152	0	0	-2035	MAX
	148	493	0	0	-5417	MIN
114	646	2152	0	0	-2035	MAX
	148	493	0	0	-5417	MIN
115	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6363	-3684	MIN
116	56	406	576	-3366	4066	MAX
	31	-517	-579	-4530	-4236	MIN
117	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
118	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
119	566	1886	-73	0	-2088	MAX
	67	222	-100	0	-3758	MIN
120	566	1886	-73	0	-2088	MAX
	67	222	-100	0	-3758	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
121	371 -89	57 -7	174 -305	2313 -5355	479 -868	MAX MIN
122	301 36	371 -250	37 -255	-664 -1061	255 -1238	MAX MIN
123	333 63	778 -366	10 -288	-127 -1352	28 -1755	MAX MIN
124	348 -9	1123 -313	-86 -204	436 -324	-276 -1773	MAX MIN
125	426 -62	1421 -206	-67 -116	0 0	-577 -1656	MAX MIN
126	426 -62	1421 -206	-67 -116	0 0	-577 -1656	MAX MIN
127	648 -51	108 -56	44 -156	471 -2228	399 -1020	MAX MIN
128	505 29	358 -121	48 -176	-191 -322	441 -1120	MAX MIN
129	420 35	674 -214	2 -162	-87 -187	426 -1069	MAX MIN
130	361 -19	930 -291	-32 -121	277 52	502 -730	MAX MIN
131	315 -123	1049 -410	-28 -68	0 0	636 -541	MAX MIN
132	315 -123	1049 -410	-28 -68	0 0	636 -541	MAX MIN
133	714 -17	106 -18	0 0	0 0	306 -925	MAX MIN
134	555 21	355 -96	0 0	0 0	382 -974	MAX MIN
135	448 13	648 -189	0 0	0 0	542 -853	MAX MIN
136	359 -47	858 -296	0 0	0 0	741 -412	MAX MIN
137	273 -137	911 -457	0 0	0 0	855 -143	MAX MIN
138	273 -137	911 -457	0 0	0 0	855 -143	MAX MIN
139	648 -51	108 -56	156 -44	2227 -471	399 -1020	MAX MIN
140	505 28	358 -121	176 -48	322 191	441 -1120	MAX MIN
141	420 35	674 -214	162 -2	187 87	425 -1069	MAX MIN
142	361 -19	930 -291	121 32	-52 -277	502 -730	MAX MIN
143	315 -123	1049 -410	68 28	0 0	636 -541	MAX MIN
144	315 -123	1049 -410	68 28	0 0	636 -541	MAX MIN
145	371 -89	57 -7	305 -174	5355 -2313	479 -868	MAX MIN
146	301 36	371 -250	255 -37	1061 664	255 -1238	MAX MIN
147	333 63	778 -366	288 -10	1352 127	28 -1754	MAX MIN
148	348 -9	1123 -313	204 86	324 -436	-276 -1773	MAX MIN
149	426 -62	1421 -206	116 67	0 0	-577 -1656	MAX MIN
150	426 -62	1421 -206	116 67	0 0	-577 -1656	MAX MIN
151	-183 -658	-30 -430	235 -215	6362 -4468	4068 -3684	MAX MIN
152	56 31	406 -517	579 -576	4531 3366	4066 -4236	MAX MIN
153	-4 -234	740 -656	342 -63	3105 -359	736 -3822	MAX MIN
154	342 -174	1428 -374	204 68	670 -400	-2383 -3603	MAX MIN
155	566 67	1885 222	99 73	0 0	-2087 -3758	MAX MIN
156	566 67	1885 222	99 73	0 0	-2087 -3758	MAX MIN
157	665 -1505	1006 -373	0 0	0 0	13223 -9107	MAX MIN
158	-1385 -1943	-445 -2067	0 0	0 0	7774 -16387	MAX MIN
159	285 -1249	2174 -2363	0 0	0 0	911 -16174	MAX MIN
160	403 -374	1725 -489	0 0	0 0	-1268 -6980	MAX MIN
161	645 148	2152 493	0 0	0 0	-2033 -5416	MAX MIN
162	645 148	2152 493	0 0	0 0	-2033 -5416	MAX MIN
163	-183 -658	-30 -430	215 -235	4468 -6362	4068 -3684	MAX MIN
164	56 31	406 -517	576 -579	-3366 -4530	4066 -4236	MAX MIN
165	-4 -234	740 -656	63 -342	359 -3105	736 -3822	MAX MIN
166	342 -174	1428 -374	-68 -204	400 -670	-2383 -3603	MAX MIN
167	566 67	1885 222	-73 -99	0 0	-2087 -3758	MAX MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
168	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
169	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
170	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
171	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
172	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
173	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
174	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
175	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
176	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
177	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
178	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
179	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
180	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
181	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
182	554	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
183	448	648	0	0	542	MAX
	13	-189	0	0	-852	MIN
184	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
185	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
186	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
187	648	108	156	2227	399	MAX
	-51	-56	-44	-471	-1020	MIN
188	505	358	176	322	441	MAX
	28	-121	-48	191	-1120	MIN
189	420	674	162	187	425	MAX
	35	-214	-2	87	-1069	MIN
190	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
191	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
192	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
193	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
194	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
195	333	778	288	1352	28	MAX
	63	-366	-10	127	-1754	MIN
196	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
197	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
198	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
199	-183	-30	235	6362	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
200	56	406	579	4531	4066	MAX
	31	-517	-576	3366	-4236	MIN
201	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
202	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
203	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
204	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
205	665	1006	0	0	13223	MAX
	-1505	-373	0	0	-9107	MIN
206	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	0	-16387	MIN
207	285	2174	0	0	911	MAX
	-1249	-2363	0	0	-16174	MIN
208	403	1725	0	0	-1268	MAX
	-374	-489	0	0	-6980	MIN
209	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
210	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
211	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6362	-3684	MIN
212	56	406	576	-3366	4066	MAX
	31	-517	-579	-4531	-4236	MIN
213	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
214	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN

In	Mx [kgm]		My [kgm]		Mxy [kgm]		Tx [kg]		Ty [kg]		
215	566	67	1885	222	-73	-99	0	0	-2087	-3758	MAX MIN
216	566	67	1885	222	-73	-99	0	0	-2087	-3758	MAX MIN
217	371	-89	57	-7	174	-305	2313	-5355	479	-868	MAX MIN
218	301	36	371	-250	37	-255	-664	-1061	255	-1238	MAX MIN
219	333	63	778	-366	10	-288	-127	-1352	28	-1754	MAX MIN
220	348	-9	1123	-313	-86	-204	436	-324	-276	-1773	MAX MIN
221	426	-62	1421	-206	-67	-116	0	0	-577	-1656	MAX MIN
222	426	-62	1421	-206	-67	-116	0	0	-577	-1656	MAX MIN
223	648	-51	108	-56	44	-156	471	-2227	399	-1020	MAX MIN
224	505	28	358	-121	48	-176	-191	-322	441	-1120	MAX MIN
225	420	35	674	-214	2	-162	-87	-187	425	-1069	MAX MIN
226	361	-19	930	-291	-32	-121	277	52	502	-730	MAX MIN
227	315	-123	1049	-410	-28	-68	0	0	636	-541	MAX MIN
228	315	-123	1049	-410	-28	-68	0	0	636	-541	MAX MIN
229	714	-17	106	-18	0	0	0	0	306	-925	MAX MIN
230	554	21	355	-96	0	0	0	0	382	-974	MAX MIN
231	448	13	648	-189	0	0	0	0	542	-852	MAX MIN
232	359	-47	858	-296	0	0	0	0	741	-412	MAX MIN
233	273	-137	911	-457	0	0	0	0	855	-143	MAX MIN
234	273	-137	911	-457	0	0	0	0	855	-143	MAX MIN
235	648	-51	108	-56	156	-44	2227	-471	399	-1020	MAX MIN
236	505	28	358	-121	176	-48	322	191	441	-1120	MAX MIN
237	420	35	674	-214	162	-2	187	87	425	-1069	MAX MIN
238	361	-19	930	-291	121	32	-52	-277	502	-730	MAX MIN
239	315	-123	1049	-410	68	28	0	0	636	-541	MAX MIN
240	315	-123	1049	-410	68	28	0	0	636	-541	MAX MIN
241	371	-89	57	-7	305	-174	5355	-2313	479	-868	MAX MIN
242	301	36	371	-250	255	-37	1061	664	255	-1238	MAX MIN
243	333	63	778	-366	288	-10	1352	127	28	-1754	MAX MIN
244	348	-9	1123	-313	204	86	324	-436	-276	-1773	MAX MIN
245	426	-62	1421	-206	116	67	0	0	-577	-1656	MAX MIN
246	426	-62	1421	-206	116	67	0	0	-577	-1656	MAX MIN
247	-183	-658	-30	-430	235	-215	6362	-4468	4068	-3684	MAX MIN
248	56	31	406	-517	579	-576	4531	3366	4066	-4236	MAX MIN
249	-4	-234	740	-656	342	-63	3105	-359	736	-3822	MAX MIN
250	342	-174	1428	-374	204	68	670	-400	-2383	-3603	MAX MIN
251	566	67	1885	222	99	73	0	0	-2087	-3758	MAX MIN
252	566	67	1885	222	99	73	0	0	-2087	-3758	MAX MIN
253	665	-1505	1006	-373	0	0	0	0	13223	-9107	MAX MIN
254	-1385	-1943	-445	-2067	0	0	0	0	7774	-16387	MAX MIN
255	285	-1249	2174	-2363	0	0	0	0	911	-16174	MAX MIN
256	403	-374	1725	-489	0	0	0	0	-1268	-6980	MAX MIN
257	645	148	2152	493	0	0	0	0	-2033	-5416	MAX MIN
258	645	148	2152	493	0	0	0	0	-2033	-5416	MAX MIN
259	-183	-658	-30	-430	215	-235	4468	-6362	4068	-3684	MAX MIN
260	56	31	406	-517	576	-579	-3366	-4531	4066	-4236	MAX MIN
261	-4	-234	740	-656	63	-342	359	-3105	736	-3822	MAX MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
262	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
263	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
264	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
265	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
266	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
267	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
268	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
269	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
270	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
271	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
272	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
273	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
274	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
275	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
276	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
277	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
278	554	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
279	448	648	0	0	542	MAX
	13	-189	0	0	-852	MIN
280	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
281	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
282	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
283	648	108	156	2227	399	MAX
	-51	-56	-44	-471	-1020	MIN
284	505	358	176	322	441	MAX
	28	-121	-48	191	-1120	MIN
285	420	674	162	187	425	MAX
	35	-214	-2	87	-1069	MIN
286	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
287	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
288	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
289	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
290	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
291	333	778	288	1352	28	MAX
	63	-366	-10	127	-1754	MIN
292	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
293	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
294	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
295	-183	-30	235	6362	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
296	56	406	579	4531	4066	MAX
	31	-517	-576	3366	-4236	MIN
297	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
298	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
299	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
300	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
301	665	1006	0	0	13223	MAX
	-1505	-373	0	0	-9107	MIN
302	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	0	-16387	MIN
303	285	2174	0	0	911	MAX
	-1249	-2363	0	0	-16174	MIN
304	403	1725	0	0	-1268	MAX
	-374	-489	0	0	-6980	MIN
305	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
306	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
307	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6362	-3684	MIN
308	56	406	576	-3366	4066	MAX
	31	-517	-579	-4531	-4236	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
309	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
310	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
311	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
312	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
313	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
314	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
315	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
316	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
317	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
318	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
319	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
320	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
321	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
322	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
323	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
324	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
325	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
326	554	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
327	448	648	0	0	542	MAX
	13	-189	0	0	-852	MIN
328	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
329	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
330	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
331	648	108	156	2227	399	MAX
	-51	-56	-44	-471	-1020	MIN
332	505	358	176	322	441	MAX
	28	-121	-48	191	-1120	MIN
333	420	674	162	187	425	MAX
	35	-214	-2	87	-1069	MIN
334	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
335	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
336	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
337	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
338	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
339	333	778	288	1352	28	MAX
	63	-366	-10	127	-1754	MIN
340	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
341	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
342	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
343	-183	-30	235	6362	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
344	56	406	579	4531	4066	MAX
	31	-517	-576	3366	-4236	MIN
345	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
346	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
347	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
348	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
349	665	1006	0	0	13223	MAX
	-1505	-373	0	0	-9107	MIN
350	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	0	-16387	MIN
351	285	2174	0	0	911	MAX
	-1249	-2363	0	0	-16174	MIN
352	403	1725	0	0	-1268	MAX
	-374	-489	0	0	-6980	MIN
353	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
354	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
355	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6362	-3684	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
356	56	406	576	-3366	4066	MAX
	31	-517	-579	-4531	-4236	MIN
357	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
358	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
359	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
360	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
361	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
362	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
363	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
364	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
365	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
366	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
367	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
368	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
369	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
370	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
371	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
372	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
373	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
374	554	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
375	448	648	0	0	542	MAX
	13	-189	0	0	-852	MIN
376	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
377	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
378	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
379	648	108	156	2227	399	MAX
	-51	-56	-44	-471	-1020	MIN
380	505	358	176	322	441	MAX
	28	-121	-48	191	-1120	MIN
381	420	674	162	187	425	MAX
	35	-214	-2	87	-1069	MIN
382	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
383	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
384	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
385	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
386	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
387	333	778	288	1352	28	MAX
	63	-366	-10	127	-1754	MIN
388	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
389	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
390	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
391	-183	-30	235	6362	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
392	56	406	579	4531	4066	MAX
	31	-517	-576	3366	-4236	MIN
393	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
394	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
395	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
396	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
397	665	1006	0	0	13223	MAX
	-1505	-373	0	0	-9107	MIN
398	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	0	-16387	MIN
399	285	2174	0	0	911	MAX
	-1249	-2363	0	0	-16174	MIN
400	403	1725	0	0	-1268	MAX
	-374	-489	0	0	-6980	MIN
401	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
402	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
403	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6362	-3684	MIN
404	56	406	576	-3366	4066	MAX
	31	-517	-579	-4531	-4236	MIN
405	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
406	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
407	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
408	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
409	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
410	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
411	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
412	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
413	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
414	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
415	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
416	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
417	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
418	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
419	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
420	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
421	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
422	554	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
423	448	648	0	0	542	MAX
	13	-189	0	0	-852	MIN
424	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
425	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
426	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
427	648	108	156	2227	399	MAX
	-51	-56	-44	-471	-1020	MIN
428	505	358	176	322	441	MAX
	28	-121	-48	191	-1120	MIN
429	420	674	162	187	425	MAX
	35	-214	-2	87	-1069	MIN
430	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
431	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
432	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
433	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
434	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
435	333	778	288	1352	28	MAX
	63	-366	-10	127	-1754	MIN
436	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
437	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
438	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
439	-183	-30	235	6362	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
440	56	406	579	4530	4066	MAX
	31	-517	-576	3366	-4236	MIN
441	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
442	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
443	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
444	566	1885	99	0	-2087	MAX
	67	222	73	0	-3758	MIN
445	665	1006	0	0	13223	MAX
	-1505	-373	0	0	-9107	MIN
446	-1385	-445	0	0	7774	MAX
	-1943	-2067	0	0	-16387	MIN
447	285	2174	0	0	911	MAX
	-1249	-2363	0	0	-16174	MIN
448	403	1725	0	0	-1268	MAX
	-374	-489	0	0	-6980	MIN
449	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN



In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
450	645	2152	0	0	-2033	MAX
	148	493	0	0	-5416	MIN
451	-183	-30	215	4468	4068	MAX
	-658	-430	-235	-6362	-3684	MIN
452	56	406	576	-3366	4066	MAX
	31	-517	-579	-4531	-4236	MIN
453	-4	740	63	359	736	MAX
	-234	-656	-342	-3105	-3822	MIN
454	342	1428	-68	400	-2383	MAX
	-174	-374	-204	-670	-3603	MIN
455	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
456	566	1885	-73	0	-2087	MAX
	67	222	-99	0	-3758	MIN
457	371	57	174	2313	479	MAX
	-89	-7	-305	-5355	-868	MIN
458	301	371	37	-664	255	MAX
	36	-250	-255	-1061	-1238	MIN
459	333	778	10	-127	28	MAX
	63	-366	-288	-1352	-1754	MIN
460	348	1123	-86	436	-276	MAX
	-9	-313	-204	-324	-1773	MIN
461	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
462	426	1421	-67	0	-577	MAX
	-62	-206	-116	0	-1656	MIN
463	648	108	44	471	399	MAX
	-51	-56	-156	-2227	-1020	MIN
464	505	358	48	-191	441	MAX
	28	-121	-176	-322	-1120	MIN
465	420	674	2	-87	425	MAX
	35	-214	-162	-187	-1069	MIN
466	361	930	-32	277	502	MAX
	-19	-291	-121	52	-730	MIN
467	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
468	315	1049	-28	0	636	MAX
	-123	-410	-68	0	-541	MIN
469	714	106	0	0	306	MAX
	-17	-18	0	0	-925	MIN
470	555	355	0	0	382	MAX
	21	-96	0	0	-974	MIN
471	448	648	0	0	542	MAX
	13	-189	0	0	-853	MIN
472	359	858	0	0	741	MAX
	-47	-296	0	0	-412	MIN
473	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
474	273	911	0	0	855	MAX
	-137	-457	0	0	-143	MIN
475	648	108	156	2228	399	MAX
	-51	-56	-44	-471	-1020	MIN
476	505	358	176	322	441	MAX
	29	-121	-48	191	-1120	MIN
477	420	674	162	187	426	MAX
	35	-214	-2	87	-1069	MIN
478	361	930	121	-52	502	MAX
	-19	-291	32	-277	-730	MIN
479	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
480	315	1049	68	0	636	MAX
	-123	-410	28	0	-541	MIN
481	371	57	305	5355	479	MAX
	-89	-7	-174	-2313	-868	MIN
482	301	371	255	1061	255	MAX
	36	-250	-37	664	-1238	MIN
483	333	778	288	1352	28	MAX
	63	-366	-10	127	-1755	MIN
484	348	1123	204	324	-276	MAX
	-9	-313	86	-436	-1773	MIN
485	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
486	426	1421	116	0	-577	MAX
	-62	-206	67	0	-1656	MIN
487	-183	-30	235	6363	4068	MAX
	-658	-430	-215	-4468	-3684	MIN
488	56	406	579	4530	4066	MAX
	31	-517	-576	3366	-4236	MIN
489	-4	740	342	3105	736	MAX
	-234	-656	-63	-359	-3822	MIN
490	342	1428	204	670	-2383	MAX
	-174	-374	68	-400	-3603	MIN
491	566	1886	100	0	-2088	MAX
	67	222	73	0	-3758	MIN
492	566	1886	100	0	-2088	MAX
	67	222	73	0	-3758	MIN
493	665	1006	0	2	13223	MAX
	-1505	-373	0	0	-9107	MIN
494	-1385	-445	0	1	7774	MAX
	-1943	-2067	0	0	-16387	MIN
495	285	2174	0	0	910	MAX
	-1249	-2363	0	0	-16173	MIN
496	403	1726	0	0	-1270	MAX
	-374	-489	0	0	-6979	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
497	646	2152	0	0	-2035	MAX
	148	493	0	0	-5417	MIN
498	646	2152	0	0	-2035	MAX
	148	493	0	0	-5417	MIN
499	-183	-30	215	4468	4067	MAX
	-659	-430	-235	-6360	-3684	MIN
500	56	406	577	-3367	4066	MAX
	31	-517	-579	-4530	-4236	MIN
501	-4	740	63	361	736	MAX
	-234	-656	-342	-3106	-3824	MIN
502	343	1429	-68	400	-2385	MAX
	-174	-374	-204	-670	-3604	MIN
503	566	1886	-73	0	-2090	MAX
	67	222	-99	0	-3759	MIN
504	566	1886	-73	0	-2090	MAX
	67	222	-99	0	-3759	MIN
505	369	57	174	2314	479	MAX
	-89	-7	-305	-5354	-868	MIN
506	301	371	37	-659	255	MAX
	36	-250	-255	-1060	-1238	MIN
507	332	778	10	-123	28	MAX
	64	-366	-288	-1353	-1757	MIN
508	348	1123	-85	438	-276	MAX
	-8	-313	-204	-325	-1778	MIN
509	427	1422	-67	0	-576	MAX
	-62	-206	-116	0	-1662	MIN
510	427	1422	-67	0	-576	MAX
	-62	-206	-116	0	-1662	MIN
511	645	108	44	473	398	MAX
	-50	-56	-157	-2229	-1018	MIN
512	502	357	48	-180	440	MAX
	29	-120	-177	-319	-1120	MIN
513	419	673	3	-89	426	MAX
	36	-214	-163	-180	-1074	MIN
514	361	930	-31	282	503	MAX
	-18	-291	-122	50	-739	MIN
515	315	1051	-28	0	638	MAX
	-123	-410	-68	0	-552	MIN
516	315	1051	-28	0	638	MAX
	-123	-410	-68	0	-552	MIN
517	706	105	1	5	304	MAX
	-15	-18	-2	-8	-919	MIN
518	549	352	1	22	380	MAX
	22	-95	-3	-4	-973	MIN
519	445	645	1	17	542	MAX
	14	-187	-2	-4	-860	MIN
520	358	856	1	12	742	MAX
	-46	-295	-1	-4	-428	MIN
521	274	912	0	0	858	MAX
	-137	-456	0	0	-163	MIN
522	274	912	0	0	858	MAX
	-137	-456	0	0	-163	MIN
523	633	106	151	2203	396	MAX
	-48	-55	-42	-461	-1008	MIN
524	494	353	170	334	438	MAX
	31	-119	-46	231	-1115	MIN
525	414	667	157	217	425	MAX
	37	-212	-1	81	-1079	MIN
526	358	924	119	-58	503	MAX
	-18	-289	33	-254	-755	MIN
527	315	1048	67	0	638	MAX
	-123	-408	28	0	-573	MIN
528	315	1048	67	0	638	MAX
	-123	-408	28	0	-573	MIN
529	342	53	294	5296	474	MAX
	-84	-7	-172	-2294	-845	MIN
530	283	361	243	1086	251	MAX
	39	-248	-34	735	-1224	MIN
531	321	762	277	1344	25	MAX
	66	-363	-7	183	-1766	MIN
532	341	1108	198	315	-276	MAX
	-7	-309	87	-387	-1810	MIN
533	424	1415	114	0	-575	MAX
	-61	-202	67	0	-1704	MIN
534	424	1415	114	0	-575	MAX
	-61	-202	67	0	-1704	MIN
535	-176	-38	215	6238	4059	MAX
	-706	-429	-211	-4435	-3640	MIN
536	54	387	556	4592	4057	MAX
	-5	-513	-572	3371	-4206	MIN
537	-28	710	321	3094	729	MAX
	-230	-651	-59	-263	-3830	MIN
538	328	1397	192	656	-2434	MAX
	-171	-367	71	-310	-3629	MIN
539	561	1869	98	0	-2158	MAX
	69	230	68	0	-3792	MIN
540	561	1869	98	0	-2158	MAX
	69	230	68	0	-3792	MIN
541	674	1007	6	54	13302	MAX
	-1591	-386	-35	-248	-9120	MIN
542	-1387	-479	6	195	7836	MAX
	-2002	-2062	-42	-16	-16402	MIN
543	243	2119	6	159	919	MAX
	-1243	-2354	-39	-13	-16188	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
544	376	1664	4	160	-1328	MAX
	-369	-477	-24	-19	-6990	MIN
545	633	2110	2	0	-2125	MAX
	152	508	-11	0	-5465	MIN
546	633	2110	2	0	-2125	MAX
	152	508	-11	0	-5465	MIN
547	-172	-51	223	4556	4048	MAX
	-790	-428	-294	-6819	-3547	MIN
548	57	349	585	-3135	4043	MAX
	-69	-510	-649	-4411	-4117	MIN
549	-77	644	71	598	710	MAX
	-227	-643	-409	-3117	-3771	MIN
550	292	1315	-63	659	-2430	MAX
	-167	-355	-244	-692	-3645	MIN
551	538	1793	-75	0	-2183	MAX
	74	246	-116	0	-3822	MIN
552	538	1793	-75	0	-2183	MAX
	74	246	-116	0	-3822	MIN
553	163	26	186	2455	450	MAX
	-79	-5	-403	-6186	-638	MIN
554	150	279	49	-262	221	MAX
	42	-240	-371	-914	-1018	MIN
555	218	617	20	211	-14	MAX
	69	-347	-398	-1358	-1607	MIN
556	261	921	-79	848	-321	MAX
	0	-286	-272	-340	-1770	MIN
557	366	1221	-63	0	-623	MAX
	-51	-170	-150	0	-1720	MIN
558	366	1221	-63	0	-623	MAX
	-51	-170	-150	0	-1720	MIN
559	359	65	61	698	352	MAX
	-43	-50	-309	-3650	-657	MIN
560	283	220	65	311	391	MAX
	28	-105	-355	-299	-737	MIN
561	245	420	14	269	373	MAX
	34	-188	-334	-78	-730	MIN
562	219	590	-27	871	441	MAX
	-13	-254	-232	60	-536	MIN
563	203	678	-26	0	565	MAX
	-108	-361	-124	0	-428	MIN
564	203	678	-26	0	565	MAX
	-108	-361	-124	0	-428	MIN
565	357	53	33	396	223	MAX
	-10	-9	-226	-2351	-386	MIN
566	272	158	26	532	320	MAX
	4	-66	-258	-75	-344	MIN
567	207	266	14	465	510	MAX
	-10	-147	-251	-11	-160	MIN
568	144	312	-4	776	710	MAX
	-55	-253	-170	75	173	MIN
569	78	259	-5	0	821	MAX
	-122	-405	-89	0	363	MIN
570	78	259	-5	0	821	MAX
	-122	-405	-89	0	363	MIN
571	289	44	17	220	186	MAX
	-10	-6	-153	-1421	-210	MIN
572	212	101	17	512	309	MAX
	-11	-50	-179	-23	-97	MIN
573	143	140	12	438	532	MAX
	-31	-131	-171	7	193	MIN
574	72	108	5	602	845	MAX
	-69	-248	-115	8	564	MIN
575	-6	-21	2	0	1017	MAX
	-121	-404	-58	0	722	MIN
576	-6	-21	2	0	1017	MAX
	-121	-404	-58	0	722	MIN
577	208	32	11	129	169	MAX
	-10	-3	-98	-828	-77	MIN
578	146	54	12	410	295	MAX
	-17	-45	-116	-21	66	MIN
579	84	46	10	345	592	MAX
	-38	-123	-110	-12	386	MIN
580	17	-32	6	415	914	MAX
	-72	-239	-72	-18	680	MIN
581	-58	-193	3	0	1077	MAX
	-121	-402	-36	0	825	MIN
582	-58	-193	3	0	1077	MAX
	-121	-402	-36	0	825	MIN
583	139	22	8	69	158	MAX
	-7	-2	-59	-456	12	MIN
584	91	21	9	290	301	MAX
	-15	-41	-71	-31	165	MIN
585	39	-17	9	240	624	MAX
	-36	-117	-67	-27	452	MIN
586	-21	-120	5	265	938	MAX
	-70	-239	-43	-33	718	MIN
587	-88	-293	3	0	1117	MAX
	-131	-436	-21	0	821	MIN
588	-88	-293	3	0	1117	MAX
	-131	-436	-21	0	821	MIN
589	87	14	5	36	151	MAX
	-1	-1	-34	-218	67	MIN
590	51	-1	7	191	316	MAX
	-9	-38	-41	-35	217	MIN

In	Mx [kgm]	My [kgm]	Mxy [kgm]	Tx [kg]	Ty [kg]	
591	9	-56	8	137	635	MAX
	-29	-114	-39	-49	479	MIN
592	-43	-171	6	133	962	MAX
	-70	-254	-24	-63	713	MIN
593	-98	-328	3	0	1131	MAX
	-136	-454	-12	0	821	MIN
594	-98	-328	3	0	1131	MAX
	-136	-454	-12	0	821	MIN
595	44	6	3	26	138	MAX
	2	-4	-17	-48	68	MIN
596	22	-14	4	117	281	MAX
	-1	-39	-23	-21	195	MIN
597	-2	-78	6	52	583	MAX
	-13	-120	-22	-52	443	MIN
598	-35	-182	9	-31	959	MAX
	-48	-252	-12	-129	695	MIN
599	-104	-346	8	0	1164	MAX
	-137	-457	-4	0	825	MIN
600	-104	-346	8	0	1164	MAX
	-137	-457	-4	0	825	MIN
601	18	16	-1	32	215	MAX
	0	-1	-12	23	165	MIN
602	4	-15	-2	85	441	MAX
	1	-39	-18	-8	282	MIN
603	-4	-87	-4	19	781	MAX
	-5	-128	-24	-42	438	MIN
604	4	-187	15	-127	918	MAX
	0	-253	-3	-194	453	MIN
605	-94	-314	35	0	941	MAX
	-130	-435	21	0	430	MIN
606	-94	-314	35	0	941	MAX
	-130	-435	21	0	430	MIN

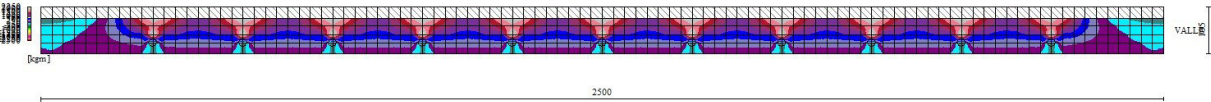


Fig. 29 - Piastra fondazione - Momento My<sub>MAX</sub> (Combinazione n° 2)

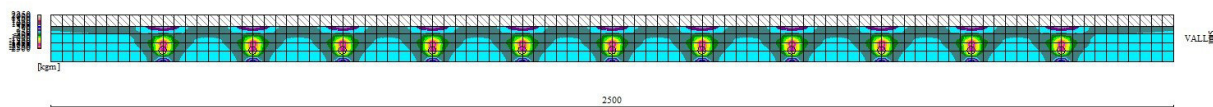


Fig. 30 - Piastra fondazione - Momento  $M_{yMIN}$  (Combinazione n° 20)

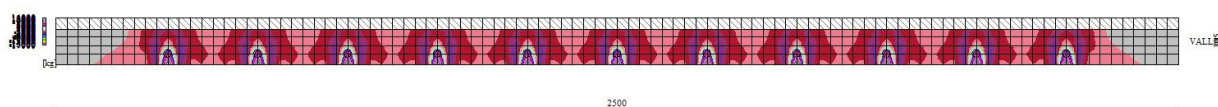
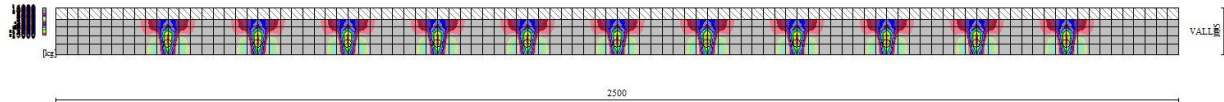


Fig. 31 - Piastra fondazione - Taglio  $T_{yMAX}$  (Combinazione n° 2)

Fig. 32 - Piastra fondazione - Taglio Ty<sub>MIN</sub> (Combinazione n° 20)

## Sollecitazioni pali

### Simbologia adottata

N Sforzo normale, espresso in [kg]. Positivo se di compressione.  
 T Taglio, espresso in [kg]. Positivo se diretto da monte verso valle  
 M Momento, espresso in [kgm]. Positivo se tende le fibre contro terra (a monte)

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4269	35744	-1578	-13513	-418	-3580
12	0.99	4361	35744	17	-912	195	3986
19	1.62	4420	35744	154	3201	129	3007
94	8.37	5050	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4269	35744	-3364	-6360	1234	2332
5	0.36	4303	35744	66	-1644	1807	3877
12	0.99	4361	35744	1436	3124	1224	3215
34	2.97	4546	35744	-14	46	-77	-168
94	8.37	5050	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4544	35744	-788	-2032	-1579	-4075
5	0.36	4577	35744	-1323	-3412	-1172	-3023
27	2.34	4762	35744	7	18	71	182
34	2.97	4821	35744	56	144	47	120
94	8.37	5324	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4095	35744	-774	-2317	-1361	-4075
5	0.36	4128	35744	-1163	-3481	-988	-2960
27	2.34	4313	35744	12	36	62	186
33	2.88	4363	35744	49	147	44	130
94	8.37	4875	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5545	35743	-1578	-6647	-968	-4075
19	1.62	5696	35743	1	5	92	386
26	2.25	5755	35743	73	307	63	264
94	8.37	6326	35743	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4523	35744	-1578	-13913	-456	-4021
13	1.08	4623	35744	38	-137	181	4063
19	1.62	4674	35744	144	3176	126	3120
94	8.37	5303	35744	0	0	0	0

n°	Y	Ne	Nr	Te	Tr	Me	Mr
----	---	----	----	----	----	----	----

	[m]	[kg]	[kg]	[kg]	[kg]	[kgm]	[kgm]
1	0.00	5292	35744	-1578	-6919	-929	-4075
19	1.62	5443	35744	12	52	94	413
26	2.25	5502	35744	75	327	61	269
94	8.37	6072	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5545	35743	-3364	-7663	684	1559
6	0.45	5587	35743	78	-1864	1359	3838
13	1.08	5646	35743	1079	3095	912	3268
35	3.06	5831	35743	-12	57	-58	-167
94	8.37	6326	35743	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4523	35744	-3364	-6439	1196	2288
5	0.36	4556	35744	40	-1724	1774	3861
12	0.99	4615	35744	1410	3112	1208	3237
34	2.97	4800	35744	-13	50	-75	-167
94	8.37	5303	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	5292	35744	-3364	-7560	722	1623
6	0.45	5334	35744	107	-1763	1389	3856
13	1.08	5392	35744	1102	3110	924	3241
35	3.06	5577	35744	-13	51	-59	-167
94	8.37	6072	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-1030	-4716	-890	-4075
23	1.98	4443	35744	10	43	55	253
29	2.52	4493	35744	44	201	39	179
94	8.37	5038	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-2221	-8720	211	828
7	0.54	4308	35744	70	-1824	720	3847
14	1.17	4367	35744	570	3105	475	3250
36	3.15	4552	35744	-7	53	-30	-167
94	8.37	5038	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-453	-1298	-1424	-4075
6	0.45	4300	35744	-1153	-3299	-1011	-2895
28	2.43	4484	35744	7	21	62	176
35	3.06	4543	35744	49	139	40	115
94	8.37	5038	35744	0	0	0	0

n°	Y [m]	Ne [kg]	Nr [kg]	Te [kg]	Tr [kg]	Me [kgm]	Mr [kgm]
1	0.00	4258	35744	-12	-26	-1832	-4075
8	0.63	4317	35744	-1449	-3225	-1184	-2646
29	2.52	4493	35744	3	5	77	172
36	3.15	4552	35744	62	137	52	117
94	8.37	5038	35744	0	0	0	0

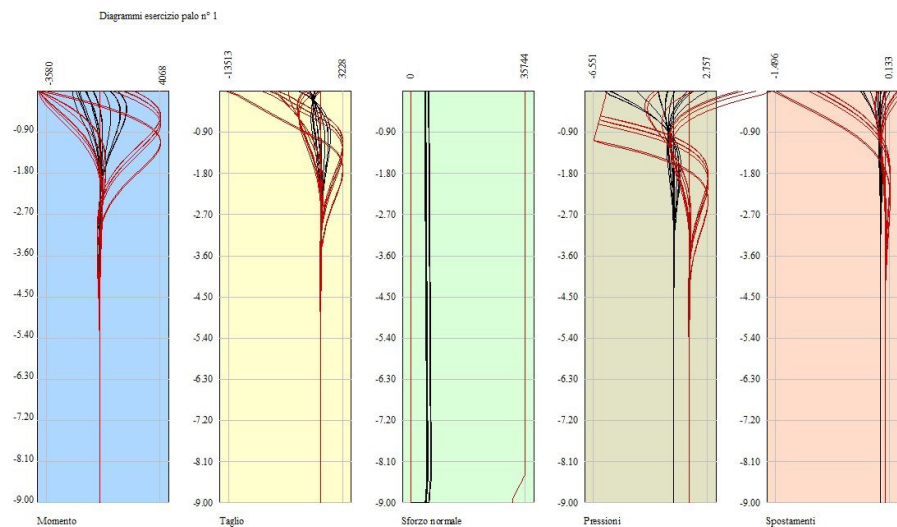


Fig. 33 - Sollecitazioni palo (Palo n° 1) (Inviluppo)

## Verifiche strutturali

### Verifiche a flessione

#### Elementi calcolati a trave

##### Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espresso in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kgm]
N	sforzo normale agente espressa in [kg]
Mu	momento ultimi espressa in [kgm]
Nu	sforzo normale ultimo espressa in [kg]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

#### Elementi calcolati a piastra

##### Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi, Afs	area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn	momento positivo e negativo agente espressa in [kgm]
Mu	momento ultimi espressa in [kgm]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

## Paramento

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	100	25	8.04	8.04	0	0	0	0	100000.000
2	100	25	8.04	8.04	5	78	12310	192075	2451.553
3	100	25	8.04	8.04	20	121	12368	74227	615.808
4	100	25	8.04	8.04	45	181	9771	39093	216.220
5	100	25	8.04	8.04	80	241	8656	25973	107.739
6	100	25	8.04	8.04	126	301	8060	19349	64.210
7	100	25	8.04	8.04	181	362	7707	15417	42.635
8	100	25	8.04	8.04	246	422	7473	12813	30.372
9	100	25	8.04	8.04	321	482	7306	10962	22.736
10	100	25	8.04	8.04	407	542	7182	9578	17.658
11	100	25	8.04	8.04	502	603	7085	8504	14.111
12	100	25	8.04	8.04	608	663	7008	7647	11.534
13	100	25	8.04	8.04	723	723	6945	6945	9.603
14	100	25	8.04	8.04	849	783	6893	6360	8.117
15	100	25	8.04	8.04	985	844	6848	5864	6.950



## Fondazione

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-1-P	8.04	8.04	2	-11	6479	100.000 (1)
1-2-P	8.04	8.04	5	-20	6479	100.000 (1)
1-3-P	8.04	8.04	9	-23	6479	100.000 (1)
1-4-P	8.04	8.04	16	-22	6479	100.000 (1)
1-5-P	8.04	8.04	84	-13	6479	67.497 (9)
1-6-P	8.04	8.04	133	-12	6479	52.342 (9)
1-7-P	8.04	8.04	182	-7	6479	38.193 (9)
1-8-P	8.04	8.04	225	-17	6479	30.347 (9)
1-9-P	8.04	8.04	211	-43	6479	32.151 (9)
1-10-P	8.04	8.04	172	-195	-6479	23.791 (9)
1-11-P	8.04	8.04	145	-544	-6479	6.726 (9)
1-12-P	8.04	8.04	169	-149	-6479	29.071 (9)
1-13-P	8.04	8.04	264	-3	6479	25.718 (9)
1-14-P	8.04	8.04	356	0	6479	19.153 (9)
1-15-P	8.04	8.04	379	0	6479	18.050 (9)
1-16-P	8.04	8.04	360	0	6479	18.911 (9)
1-17-P	8.04	8.04	275	-3	6479	24.716 (9)
1-18-P	8.04	8.04	181	-140	-6479	31.151 (9)
1-19-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-20-P	8.04	8.04	181	-140	-6479	31.173 (9)
1-21-P	8.04	8.04	275	-3	6479	24.682 (9)
1-22-P	8.04	8.04	362	0	6479	18.852 (9)
1-23-P	8.04	8.04	382	0	6479	17.925 (9)
1-24-P	8.04	8.04	362	0	6479	18.853 (9)
1-25-P	8.04	8.04	275	-3	6479	24.688 (9)
1-26-P	8.04	8.04	181	-140	-6479	31.169 (9)
1-27-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-28-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-29-P	8.04	8.04	275	-3	6479	24.689 (9)
1-30-P	8.04	8.04	362	0	6479	18.855 (9)
1-31-P	8.04	8.04	382	0	6479	17.927 (9)
1-32-P	8.04	8.04	362	0	6479	18.855 (9)
1-33-P	8.04	8.04	275	-3	6479	24.689 (9)
1-34-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-35-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-36-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-37-P	8.04	8.04	275	-3	6479	24.689 (9)
1-38-P	8.04	8.04	362	0	6479	18.855 (9)
1-39-P	8.04	8.04	382	0	6479	17.927 (9)
1-40-P	8.04	8.04	362	0	6479	18.855 (9)
1-41-P	8.04	8.04	275	-3	6479	24.689 (9)
1-42-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-43-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-44-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-45-P	8.04	8.04	275	-3	6479	24.689 (9)
1-46-P	8.04	8.04	362	0	6479	18.855 (9)
1-47-P	8.04	8.04	382	0	6479	17.927 (9)
1-48-P	8.04	8.04	362	0	6479	18.855 (9)
1-49-P	8.04	8.04	275	-3	6479	24.689 (9)
1-50-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-51-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-52-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-53-P	8.04	8.04	275	-3	6479	24.689 (9)
1-54-P	8.04	8.04	362	0	6479	18.855 (9)
1-55-P	8.04	8.04	382	0	6479	17.927 (9)
1-56-P	8.04	8.04	362	0	6479	18.855 (9)
1-57-P	8.04	8.04	275	-3	6479	24.689 (9)
1-58-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-59-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-60-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-61-P	8.04	8.04	275	-3	6479	24.689 (9)
1-62-P	8.04	8.04	362	0	6479	18.855 (9)
1-63-P	8.04	8.04	382	0	6479	17.927 (9)
1-64-P	8.04	8.04	362	0	6479	18.855 (9)
1-65-P	8.04	8.04	275	-3	6479	24.689 (9)
1-66-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-67-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-68-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-69-P	8.04	8.04	275	-3	6479	24.689 (9)
1-70-P	8.04	8.04	362	0	6479	18.855 (9)
1-71-P	8.04	8.04	382	0	6479	17.927 (9)
1-72-P	8.04	8.04	362	0	6479	18.855 (9)
1-73-P	8.04	8.04	275	-3	6479	24.689 (9)
1-74-P	8.04	8.04	181	-140	-6479	31.168 (9)
1-75-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-76-P	8.04	8.04	181	-140	-6479	31.169 (9)
1-77-P	8.04	8.04	275	-3	6479	24.688 (9)
1-78-P	8.04	8.04	362	0	6479	18.853 (9)
1-79-P	8.04	8.04	382	0	6479	17.925 (9)
1-80-P	8.04	8.04	362	0	6479	18.852 (9)
1-81-P	8.04	8.04	275	-3	6479	24.682 (9)
1-82-P	8.04	8.04	181	-140	-6479	31.173 (9)
1-83-P	8.04	8.04	108	-593	-6479	6.509 (8)
1-84-P	8.04	8.04	181	-140	-6479	31.151 (9)
1-85-P	8.04	8.04	275	-3	6479	24.716 (9)
1-86-P	8.04	8.04	360	0	6479	18.911 (9)
1-87-P	8.04	8.04	379	0	6479	18.050 (9)
1-88-P	8.04	8.04	356	0	6479	19.153 (9)
1-89-P	8.04	8.04	264	-3	6479	25.718 (9)
1-90-P	8.04	8.04	169	-149	-6479	29.071 (9)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
1-91-P	8.04	8.04	145	-544	-6479	6.726 (9)
1-92-P	8.04	8.04	172	-195	-6479	23.791 (9)
1-93-P	8.04	8.04	211	-43	6479	32.151 (9)
1-94-P	8.04	8.04	225	-17	6479	30.347 (9)
1-95-P	8.04	8.04	182	-7	6479	38.193 (9)
1-96-P	8.04	8.04	133	-12	6479	52.342 (9)
1-97-P	8.04	8.04	84	-13	6479	67.497 (9)
1-98-P	8.04	8.04	16	-22	6479	100.000 (1)
1-99-P	8.04	8.04	9	-23	6479	100.000 (1)
1-100-P	8.04	8.04	5	-20	6479	100.000 (1)
1-101-P	8.04	8.04	2	-11	6479	100.000 (1)
3-1-S	8.04	8.04	6	0	6527	100.000 (1)
3-2-S	8.04	8.04	4	-20	6527	100.000 (1)
3-3-S	8.04	8.04	0	-90	6527	100.000 (7)
3-4-S	8.04	8.04	0	-217	-6527	37.156 (7)
3-5-S	8.04	8.04	0	-410	-6527	17.412 (7)
4-1-S	8.04	8.04	88	-43	6527	82.233 (9)
4-2-S	8.04	8.04	140	-30	6527	52.777 (9)
4-3-S	8.04	8.04	207	-14	6527	36.948 (9)
4-4-S	8.04	8.04	246	-12	6527	33.183 (9)
4-5-S	8.04	8.04	180	-76	6527	22.911 (8)
5-1-S	8.04	8.04	167	-108	-6527	50.695 (3)
5-2-S	8.04	8.04	12	-578	-6527	27.492 (3)
5-3-S	8.04	8.04	819	-17	6527	11.402 (2)
5-4-S	8.04	8.04	1173	0	6527	6.334 (9)
5-5-S	8.04	8.04	1555	0	6527	4.366 (8)
6-1-S	6.03	6.03	19	-24	4970	62.596 (6)
6-2-S	6.03	6.03	292	-13	4970	20.446 (9)
6-3-S	6.03	6.03	584	-1	4970	9.915 (9)
6-4-S	6.03	6.03	904	0	4970	6.216 (9)
6-5-S	6.03	6.03	1105	0	4970	5.002 (9)
7-1-S	8.04	8.04	163	-86	-6527	68.574 (3)
7-2-S	8.04	8.04	12	-411	-6527	24.992 (5)
7-3-S	8.04	8.04	847	-3	6527	10.487 (2)
7-4-S	8.04	8.04	1205	0	6527	6.141 (9)
7-5-S	8.04	8.04	1511	0	6527	4.485 (8)
8-1-S	8.04	8.04	9	-71	6527	74.419 (5)
8-2-S	8.04	8.04	304	-35	6527	27.911 (2)
8-3-S	8.04	8.04	626	-3	6527	12.592 (9)
8-4-S	8.04	8.04	998	0	6527	7.388 (9)
8-5-S	8.04	8.04	1241	0	6527	5.690 (9)
9-1-S	6.03	6.03	81	-78	-4970	52.057 (2)
9-2-S	6.03	6.03	20	-221	4970	20.127 (5)
9-3-S	6.03	6.03	719	-4	4970	8.812 (9)
9-4-S	6.03	6.03	1087	0	4970	5.174 (9)
9-5-S	6.03	6.03	1359	0	4970	3.879 (9)
10-1-S	8.04	8.04	105	-109	6527	73.773 (3)
10-2-S	8.04	8.04	16	-265	6527	26.162 (5)
10-3-S	8.04	8.04	760	-3	6527	11.176 (9)
10-4-S	8.04	8.04	1120	0	6527	6.598 (9)
10-5-S	8.04	8.04	1399	0	6527	4.916 (9)
11-1-S	8.04	8.04	10	-79	6527	73.466 (5)
11-2-S	8.04	8.04	314	-29	6527	26.095 (9)
11-3-S	8.04	8.04	605	-5	6527	12.812 (9)
11-4-S	8.04	8.04	973	0	6527	7.576 (9)
11-5-S	8.04	8.04	1205	0	6527	5.903 (9)
12-1-S	8.04	8.04	167	-85	-6527	66.920 (3)
12-2-S	8.04	8.04	9	-421	-6527	21.814 (5)
12-3-S	8.04	8.04	866	-3	6527	10.363 (2)
12-4-S	8.04	8.04	1228	0	6527	6.027 (9)
12-5-S	8.04	8.04	1550	0	6527	4.374 (8)
13-1-S	6.03	6.03	12	-23	4970	56.849 (5)
13-2-S	6.03	6.03	294	-9	4970	20.072 (9)
13-3-S	6.03	6.03	590	0	4970	9.770 (9)
13-4-S	6.03	6.03	897	0	4970	6.265 (9)
13-5-S	6.03	6.03	1081	0	4970	5.149 (9)
14-1-S	8.04	8.04	166	-119	-6527	65.056 (3)
14-2-S	8.04	8.04	12	-592	-6527	28.132 (3)
14-3-S	8.04	8.04	890	-6	6527	10.297 (2)
14-4-S	8.04	8.04	1292	0	6527	5.727 (9)
14-5-S	8.04	8.04	1673	0	6527	4.054 (8)
15-1-S	8.04	8.04	101	-11	6527	75.631 (9)
15-2-S	8.04	8.04	285	0	6527	26.464 (9)
15-3-S	8.04	8.04	582	0	6527	12.811 (9)
15-4-S	8.04	8.04	858	0	6527	8.606 (9)
15-5-S	8.04	8.04	1012	0	6527	7.350 (9)
16-1-S	6.03	6.03	69	-75	-4970	45.713 (1)
16-2-S	6.03	6.03	18	-615	4970	23.769 (3)
16-3-S	6.03	6.03	894	-6	4970	7.872 (2)
16-4-S	6.03	6.03	1315	0	4970	4.285 (9)
16-5-S	6.03	6.03	1717	0	4970	3.008 (8)
17-1-S	8.04	8.04	101	-11	6527	75.631 (9)
17-2-S	8.04	8.04	285	0	6527	26.464 (9)
17-3-S	8.04	8.04	582	0	6527	12.811 (9)
17-4-S	8.04	8.04	858	0	6527	8.606 (9)
17-5-S	8.04	8.04	1012	0	6527	7.350 (9)
18-1-S	8.04	8.04	166	-119	-6527	65.056 (3)
18-2-S	8.04	8.04	12	-592	-6527	28.132 (3)
18-3-S	8.04	8.04	890	-6	6527	10.297 (2)
18-4-S	8.04	8.04	1292	0	6527	5.727 (9)
18-5-S	8.04	8.04	1673	0	6527	4.054 (8)
19-1-S	6.03	6.03	12	-23	4970	56.849 (5)
19-2-S	6.03	6.03	294	-9	4970	20.072 (9)

Is	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	Mu [kgm]	FS
19-3-S	6.03	6.03	590	0	4970	9.770 (9)
19-4-S	6.03	6.03	897	0	4970	6.265 (9)
19-5-S	6.03	6.03	1081	0	4970	5.149 (9)
20-1-S	8.04	8.04	167	-85	-6527	66.920 (3)
20-2-S	8.04	8.04	9	-421	-6527	21.814 (5)
20-3-S	8.04	8.04	866	-3	6527	10.363 (2)
20-4-S	8.04	8.04	1228	0	6527	6.027 (9)
20-5-S	8.04	8.04	1550	0	6527	4.374 (8)
21-1-S	8.04	8.04	10	-79	6527	73.466 (5)
21-2-S	8.04	8.04	314	-29	6527	26.095 (9)
21-3-S	8.04	8.04	605	-5	6527	12.812 (9)
21-4-S	8.04	8.04	973	0	6527	7.576 (9)
21-5-S	8.04	8.04	1205	0	6527	5.903 (9)
22-1-S	8.04	8.04	105	-109	6527	73.773 (3)
22-2-S	8.04	8.04	16	-265	6527	26.162 (5)
22-3-S	8.04	8.04	760	-3	6527	11.176 (9)
22-4-S	8.04	8.04	1120	0	6527	6.598 (9)
22-5-S	8.04	8.04	1399	0	6527	4.916 (9)
23-1-S	6.03	6.03	81	-78	-4970	52.057 (2)
23-2-S	6.03	6.03	20	-221	4970	20.127 (5)
23-3-S	6.03	6.03	719	-4	4970	8.812 (9)
23-4-S	6.03	6.03	1087	0	4970	5.174 (9)
23-5-S	6.03	6.03	1359	0	4970	3.879 (9)
24-1-S	8.04	8.04	9	-71	6527	74.419 (5)
24-2-S	8.04	8.04	304	-35	6527	27.911 (2)
24-3-S	8.04	8.04	626	-3	6527	12.592 (9)
24-4-S	8.04	8.04	998	0	6527	7.388 (9)
24-5-S	8.04	8.04	1241	0	6527	5.690 (9)
25-1-S	8.04	8.04	163	-86	-6527	68.574 (3)
25-2-S	8.04	8.04	12	-411	-6527	24.992 (5)
25-3-S	8.04	8.04	847	-3	6527	10.487 (2)
25-4-S	8.04	8.04	1205	0	6527	6.141 (9)
25-5-S	8.04	8.04	1511	0	6527	4.485 (8)
26-1-S	6.03	6.03	19	-24	4970	62.596 (6)
26-2-S	6.03	6.03	292	-13	4970	20.446 (9)
26-3-S	6.03	6.03	584	-1	4970	9.915 (9)
26-4-S	6.03	6.03	904	0	4970	6.216 (9)
26-5-S	6.03	6.03	1105	0	4970	5.002 (9)
27-1-S	8.04	8.04	167	-108	-6527	50.695 (3)
27-2-S	8.04	8.04	12	-578	-6527	27.492 (3)
27-3-S	8.04	8.04	819	-17	6527	11.402 (2)
27-4-S	8.04	8.04	1173	0	6527	6.334 (9)
27-5-S	8.04	8.04	1555	0	6527	4.366 (8)
28-1-S	8.04	8.04	88	-43	6527	82.233 (9)
28-2-S	8.04	8.04	140	-30	6527	52.777 (9)
28-3-S	8.04	8.04	207	-14	6527	36.948 (9)
28-4-S	8.04	8.04	246	-12	6527	33.183 (9)
28-5-S	8.04	8.04	180	-76	6527	22.911 (8)
29-1-S	8.04	8.04	6	0	6527	100.000 (1)
29-2-S	8.04	8.04	4	-20	6527	100.000 (1)
29-3-S	8.04	8.04	0	-90	6527	100.000 (7)
29-4-S	8.04	8.04	0	-217	-6527	37.156 (7)
29-5-S	8.04	8.04	0	-410	-6527	17.412 (7)

## Micropali

Ip	Is	Ar [cmq]	M [kgm]	N [kg]	Mu [kgm]	Nu [kg]	FS
1	5	32.77	1807	4303	3989	9497	2.207

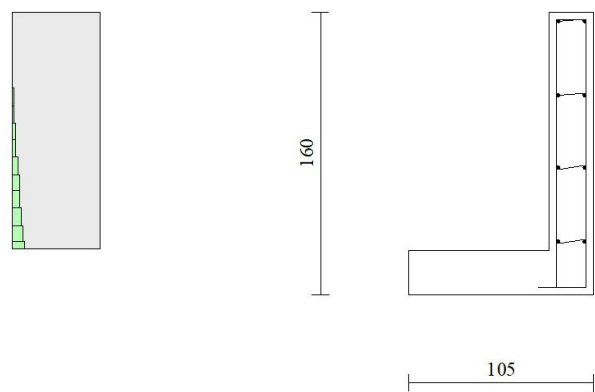


Fig. 34 - Paramento (Inviluppo)

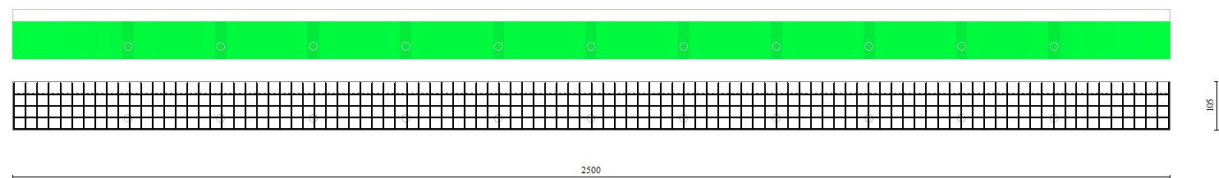


Fig. 35 - Piastra fondazione dir. X (Inviluppo)

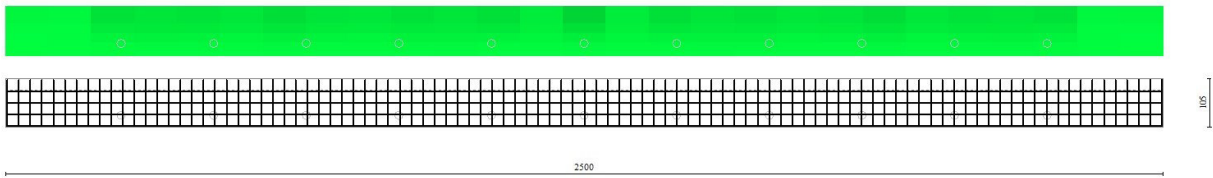


Fig. 36 - Piastra fondazione dir. Y (Inviluppo)

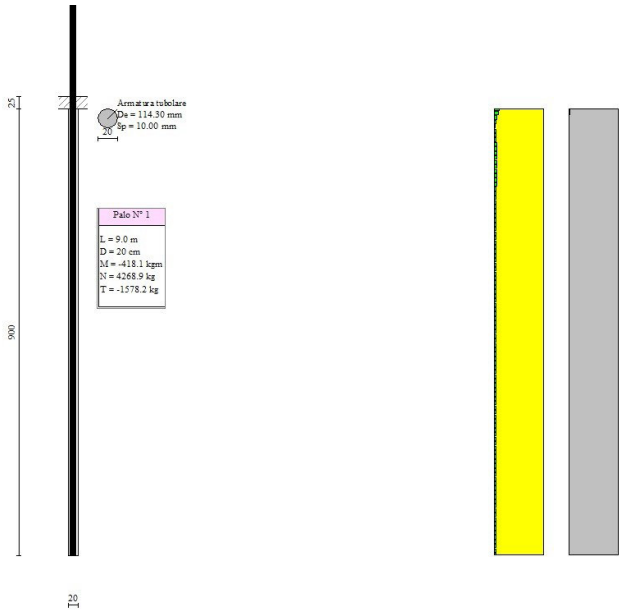


Fig. 37 - Pali (Palo n° 1) (Inviluppo)

Verifiche a taglio

Simbologia adottata

n° (o Is)	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espressa in [cm]
H	altezza sezione espressa in [cm]
A <sub>sw</sub>	area ferri a taglio espressa in [cmq]
cotgθ	inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
V <sub>Rcd</sub>	resistenza di progetto a 'taglio compressione' espressa in [kg]
V <sub>Rsd</sub>	resistenza di progetto a 'taglio trazione' espressa in [kg]
V <sub>Rd</sub>	resistenza di progetto a taglio espressa in [kg]. Per elementi con armature trasversali resistenti al taglio (A <sub>sw</sub> >0.0) V <sub>Rd</sub> =min(V <sub>Rcd</sub> , V <sub>Rsd</sub> ).
T	taglio agente espressa in [kg]
FS	fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

## Paramento

n°	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotθ	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	100	25	0.00	--	0	0	13027	0	100.000
2	100	25	0.00	--	0	0	13035	104	125.167
3	100	25	0.00	--	0	0	13043	208	62.622
4	100	25	0.00	--	0	0	13051	312	41.773
5	100	25	0.00	--	0	0	13059	417	31.349
6	100	25	0.00	--	0	0	13067	521	25.095
7	100	25	0.00	--	0	0	13075	625	20.925
8	100	25	0.00	--	0	0	13083	729	17.946
9	100	25	0.00	--	0	0	13091	833	15.713
10	100	25	0.00	--	0	0	13099	937	13.975
11	100	25	0.00	--	0	0	13107	1042	12.584
12	100	25	0.00	--	0	0	13115	1146	11.440
13	100	25	0.00	--	0	0	13123	1252	10.480
14	100	25	0.00	--	0	0	13131	1359	9.663
15	100	25	0.00	--	0	0	13139	1467	8.959

## Fondazione

Is	B [cm]	H [cm]	A <sub>sw</sub> [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-1-P	80	25	0.00	2.000	0	0	8911	1	100.000 (1)
1-2-P	80	25	0.00	2.000	0	0	8911	48	100.000 (1)
1-3-P	80	25	0.00	2.000	0	0	8911	103	86.786 (1)
1-4-P	80	25	0.00	2.000	0	0	8911	174	51.314 (1)
1-5-P	80	25	0.00	2.000	0	0	8911	258	34.502 (1)
1-6-P	80	25	0.00	2.000	0	0	8911	340	26.215 (1)
1-7-P	80	25	0.00	2.000	0	0	8911	382	23.311 (1)
1-8-P	80	25	0.00	2.000	0	0	8911	1907	4.672 (1)
1-9-P	80	25	0.00	2.000	0	0	8911	1936	4.603 (1)
1-10-P	80	25	0.00	2.000	0	0	8911	1460	6.102 (1)
1-11-P	80	25	0.00	2.000	0	0	8911	90	98.813 (1)
1-12-P	80	25	0.00	2.000	0	0	8911	3013	2.958 (1)
1-13-P	80	25	0.00	2.000	0	0	8911	1396	6.385 (1)
1-14-P	80	25	0.00	2.000	0	0	8911	562	15.845 (1)
1-15-P	80	25	0.00	2.000	0	0	8911	1	100.000 (1)
1-16-P	80	25	0.00	2.000	0	0	8911	539	16.545 (1)
1-17-P	80	25	0.00	2.000	0	0	8911	539	16.545 (1)
1-18-P	80	25	0.00	2.000	0	0	8911	1440	6.189 (1)
1-19-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-20-P	80	25	0.00	2.000	0	0	8911	1439	6.191 (1)
1-21-P	80	25	0.00	2.000	0	0	8911	1368	6.515 (1)
1-22-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-23-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-24-P	80	25	0.00	2.000	0	0	8911	544	16.368 (1)
1-25-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-26-P	80	25	0.00	2.000	0	0	8911	1439	6.190 (1)
1-27-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-28-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-29-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)
1-30-P	80	25	0.00	2.000	0	0	8911	102	87.506 (1)
1-31-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-32-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-33-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-34-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-35-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-36-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-37-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-38-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-39-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-40-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-41-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-42-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-43-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-44-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-45-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-46-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-47-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-48-P	80	25	0.00	2.000	0	0	8911	102	87.507 (1)
1-49-P	80	25	0.00	2.000	0	0	8911	102	87.507 (1)
1-50-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-51-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-52-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-53-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)
1-54-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-55-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-56-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-57-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-58-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-59-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-60-P	80	25	0.00	2.000	0	0	8911	102	87.507 (1)
1-61-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)
1-62-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-63-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-64-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)
1-65-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-66-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-67-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-68-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
1-69-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-70-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-71-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-72-P	80	25	0.00	2.000	0	0	8911	596	14.960 (1)
1-73-P	80	25	0.00	2.000	0	0	8911	2977	2.993 (1)
1-74-P	80	25	0.00	2.000	0	0	8911	1439	6.190 (1)
1-75-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-76-P	80	25	0.00	2.000	0	0	8911	544	16.368 (1)
1-77-P	80	25	0.00	2.000	0	0	8911	1368	6.516 (1)
1-78-P	80	25	0.00	2.000	0	0	8911	544	16.369 (1)
1-79-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-80-P	80	25	0.00	2.000	0	0	8911	1368	6.515 (1)
1-81-P	80	25	0.00	2.000	0	0	8911	1439	6.191 (1)
1-82-P	80	25	0.00	2.000	0	0	8911	0	100.000 (1)
1-83-P	80	25	0.00	2.000	0	0	8911	2976	2.994 (1)
1-84-P	80	25	0.00	2.000	0	0	8911	1365	6.529 (1)
1-85-P	80	25	0.00	2.000	0	0	8911	1	100.000 (1)
1-86-P	80	25	0.00	2.000	0	0	8911	1	100.000 (1)
1-87-P	80	25	0.00	2.000	0	0	8911	1396	6.385 (1)
1-88-P	80	25	0.00	2.000	0	0	8911	1396	6.385 (1)
1-89-P	80	25	0.00	2.000	0	0	8911	90	98.813 (1)
1-90-P	80	25	0.00	2.000	0	0	8911	3013	2.958 (1)
1-91-P	80	25	0.00	2.000	0	0	8911	1936	4.603 (1)
1-92-P	80	25	0.00	2.000	0	0	8911	1936	4.603 (1)
1-93-P	80	25	0.00	2.000	0	0	8911	1907	4.672 (1)
1-94-P	80	25	0.00	2.000	0	0	8911	642	13.878 (1)
1-95-P	80	25	0.00	2.000	0	0	8911	1143	7.797 (1)
1-96-P	80	25	0.00	2.000	0	0	8911	258	34.502 (1)
1-97-P	80	25	0.00	2.000	0	0	8911	174	51.314 (1)
1-98-P	80	25	0.00	2.000	0	0	8911	103	86.786 (1)
1-99-P	80	25	0.00	2.000	0	0	8911	42	100.000 (1)
1-100-P	80	25	0.00	2.000	0	0	8911	42	100.000 (1)
1-101-P	80	25	0.00	2.000	0	0	8911	42	100.000 (1)
3-1-S	93	25	0.00	2.000	0	0	9823	521	18.865 (1)
3-2-S	93	25	0.00	2.000	0	0	9823	521	18.865 (1)
3-3-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)
3-4-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)
3-5-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)
4-1-S	93	25	0.00	2.000	0	0	9823	431	22.789 (1)
4-2-S	93	25	0.00	2.000	0	0	9823	431	22.789 (1)
4-3-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
4-4-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
4-5-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
5-1-S	93	25	0.00	2.000	0	0	9823	6128	1.603 (1)
5-2-S	93	25	0.00	2.000	0	0	9823	6128	1.603 (1)
5-3-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
5-4-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
5-5-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
6-1-S	93	25	0.00	2.000	0	0	9048	1366	6.623 (1)
6-2-S	93	25	0.00	2.000	0	0	9048	1366	6.623 (1)
6-3-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
6-4-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
6-5-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
7-1-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
7-2-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
7-3-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
7-4-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
7-5-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
8-1-S	93	25	0.00	2.000	0	0	9823	1699	5.781 (1)
8-2-S	93	25	0.00	2.000	0	0	9823	1699	5.781 (1)
8-3-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
8-4-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
8-5-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
9-1-S	93	25	0.00	2.000	0	0	9048	3767	2.402 (1)
9-2-S	93	25	0.00	2.000	0	0	9048	3767	2.402 (1)
9-3-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
9-4-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
9-5-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
10-1-S	93	25	0.00	2.000	0	0	9823	7583	1.295 (1)
10-2-S	93	25	0.00	2.000	0	0	9823	7583	1.295 (1)
10-3-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
10-4-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
10-5-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
11-1-S	93	25	0.00	2.000	0	0	9823	1708	5.751 (1)
11-2-S	93	25	0.00	2.000	0	0	9823	1708	5.751 (1)
11-3-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
11-4-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
11-5-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
12-1-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
12-2-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
12-3-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
12-4-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
12-5-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
13-1-S	93	25	0.00	2.000	0	0	9048	1275	7.095 (1)
13-2-S	93	25	0.00	2.000	0	0	9048	1275	7.095 (1)
13-3-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
13-4-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
13-5-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
14-1-S	93	25	0.00	2.000	0	0	9823	5999	1.637 (1)
14-2-S	93	25	0.00	2.000	0	0	9823	5999	1.637 (1)
14-3-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)
14-4-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)
14-5-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)

Is	B [cm]	H [cm]	Asw [cm²]	cotg (θ)	V <sub>Rcd</sub> [kg]	V <sub>Rsd</sub> [kg]	V <sub>Rd</sub> [kg]	T [kg]	FS
15-1-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
15-2-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
15-3-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
15-4-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
15-5-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
16-1-S	93	25	0.00	2.000	0	0	9048	6109	1.481 (1)
16-2-S	93	25	0.00	2.000	0	0	9048	6109	1.481 (1)
16-3-S	93	25	0.00	2.000	0	0	9048	6908	1.310 (1)
16-4-S	93	25	0.00	2.000	0	0	9048	6908	1.310 (1)
16-5-S	93	25	0.00	2.000	0	0	9048	6908	1.310 (1)
17-1-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
17-2-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
17-3-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
17-4-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
17-5-S	93	25	0.00	2.000	0	0	9823	1059	9.279 (1)
18-1-S	93	25	0.00	2.000	0	0	9823	5999	1.637 (1)
18-2-S	93	25	0.00	2.000	0	0	9823	5999	1.637 (1)
18-3-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)
18-4-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)
18-5-S	93	25	0.00	2.000	0	0	9823	3227	3.044 (1)
19-1-S	93	25	0.00	2.000	0	0	9048	1275	7.095 (1)
19-2-S	93	25	0.00	2.000	0	0	9048	1275	7.095 (1)
19-3-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
19-4-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
19-5-S	93	25	0.00	2.000	0	0	9048	1200	7.542 (1)
20-1-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
20-2-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
20-3-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
20-4-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
20-5-S	93	25	0.00	2.000	0	0	9823	6026	1.630 (1)
21-1-S	93	25	0.00	2.000	0	0	9823	1708	5.751 (1)
21-2-S	93	25	0.00	2.000	0	0	9823	1708	5.751 (1)
21-3-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
21-4-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
21-5-S	93	25	0.00	2.000	0	0	9823	1875	5.239 (1)
22-1-S	93	25	0.00	2.000	0	0	9823	7583	1.295 (1)
22-2-S	93	25	0.00	2.000	0	0	9823	7583	1.295 (1)
22-3-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
22-4-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
22-5-S	93	25	0.00	2.000	0	0	9823	4888	2.010 (1)
23-1-S	93	25	0.00	2.000	0	0	9048	3767	2.402 (1)
23-2-S	93	25	0.00	2.000	0	0	9048	3767	2.402 (1)
23-3-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
23-4-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
23-5-S	93	25	0.00	2.000	0	0	9048	2363	3.830 (1)
24-1-S	93	25	0.00	2.000	0	0	9823	1699	5.781 (1)
24-2-S	93	25	0.00	2.000	0	0	9823	1699	5.781 (1)
24-3-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
24-4-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
24-5-S	93	25	0.00	2.000	0	0	9823	1997	4.919 (1)
25-1-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
25-2-S	93	25	0.00	2.000	0	0	9823	6461	1.520 (1)
25-3-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
25-4-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
25-5-S	93	25	0.00	2.000	0	0	9823	5639	1.742 (1)
26-1-S	93	25	0.00	2.000	0	0	9048	1366	6.623 (1)
26-2-S	93	25	0.00	2.000	0	0	9048	1366	6.623 (1)
26-3-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
26-4-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
26-5-S	93	25	0.00	2.000	0	0	9048	1355	6.680 (1)
27-1-S	93	25	0.00	2.000	0	0	9823	6128	1.603 (1)
27-2-S	93	25	0.00	2.000	0	0	9823	6128	1.603 (1)
27-3-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
27-4-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
27-5-S	93	25	0.00	2.000	0	0	9823	3170	3.099 (1)
28-1-S	93	25	0.00	2.000	0	0	9823	431	22.789 (1)
28-2-S	93	25	0.00	2.000	0	0	9823	431	22.789 (1)
28-3-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
28-4-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
28-5-S	93	25	0.00	2.000	0	0	9823	435	22.589 (1)
29-1-S	93	25	0.00	2.000	0	0	9823	521	18.865 (1)
29-2-S	93	25	0.00	2.000	0	0	9823	521	18.865 (1)
29-3-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)
29-4-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)
29-5-S	93	25	0.00	2.000	0	0	9823	1027	9.565 (1)

## Micropali

La verifica a taglio sui micropali viene eseguita considerando il solo contributo resistente del tubolare. L'area della sezione effettiva di verifica ( $A_{eff}$ ) viene determinata come area lorda (A) della sezione tubolare moltiplicata per  $2 / \pi$ .

Ip	Is	Asw [cm²]	V <sub>Rd</sub> [kg]	T [kg]	FS
1	1	20.86	52632	3364	15.646



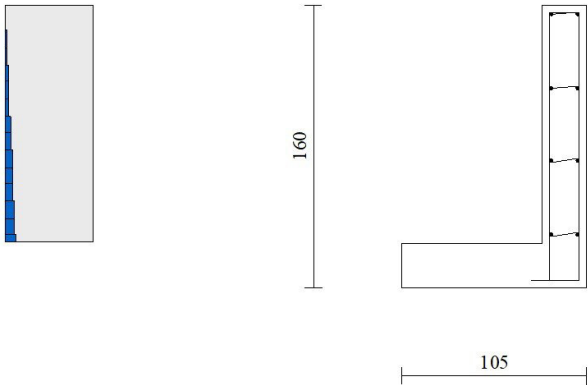


Fig. 38 - Paramento (Inviluppo)

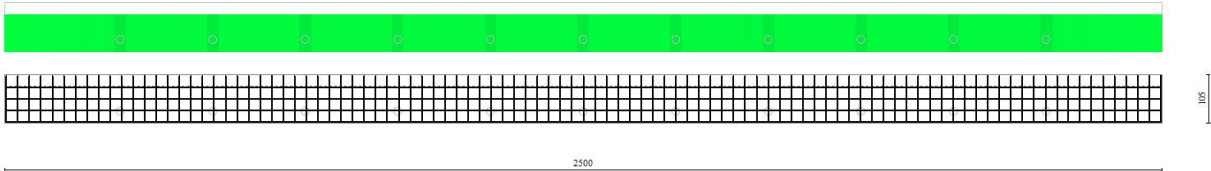


Fig. 39 - Piastra fondazione dir. X (Inviluppo)

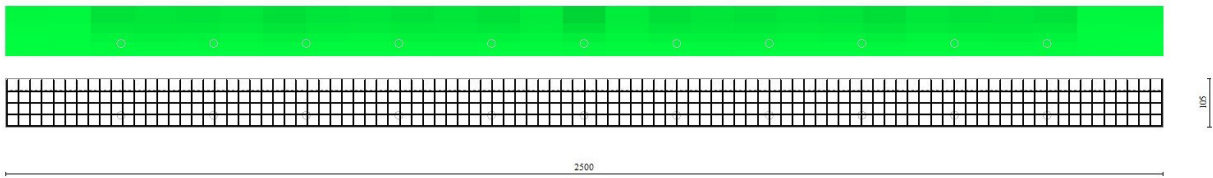


Fig. 40 - Piastra fondazione dir. Y (Inviluppo)

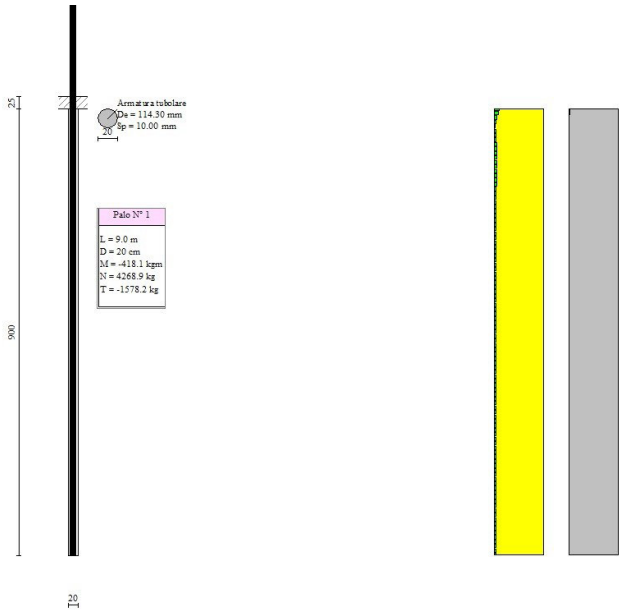


Fig. 41 - Pali (Palo n° 1) (Inviluppo)

Verifica a punzonamento

Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
c1, c2	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u0	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u1	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
$\rho_y, \rho_z$	Percentuali di armatura piastra in zona tesa
dpc, duc	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
$V_{ed,i}$	Tensione di taglio sul perimetro del pilastro, espressa in [kg/cm <sup>2</sup> ]
$V_{Rd,max}$	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kg/cm <sup>2</sup> ]
$V_{ed,f}$	Tensione di taglio sul perimetro di verifica u1, espresso in [kg/cm <sup>2</sup> ]
$V_{Rd,cf}$	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u1, espresso in [kg/cm <sup>2</sup> ]
$V_{Rd,cs}$	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kg/cm <sup>2</sup> ]
nsc	Numero di serie di cuciture

nc Numero di cuciture  
 FS Fattore di sicurezza (minore tra i rapporti  $V_{Rd,max}/V_{Ed,i}$ ,  $V_{Rd,cf}/V_{Ed,f}$  e  $V_{Rd,cs}/V_{Ed,f}$ )

## Verifica delle tensioni

### Simbologia adottata

n° indice sezione  
 Y ordinata sezione, espressa in [m]  
 B larghezza sezione, espresso in [cm]  
 H altezza sezione, espressa in [cm]  
 Afi area ferri inferiori, espresso in [cmq]  
 Afs area ferri superiori, espressa in [cmq]  
 M momento agente, espressa in [kgm]  
 N sforzo normale agente, espressa in [kg]  
 $\sigma_c$  tensione di compressione nel cls, espressa in [kg/cmq]  
 $\sigma_{fi}$  tensione nei ferri inferiori, espressa in [kg/cmq]  
 $\sigma_{fs}$  tensione nei ferri superiori, espressa in [kg/cmq]

## Combinazioni SLER

### Paramento

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	$\sigma_c$ [kg/cmq]	$\sigma_{fi}$ [kg/cmq]	$\sigma_{fs}$ [kg/cmq]
1	100	25	8.04	8.04	0	0	0.00 (19)	0.00 (19)	0.00 (19)
2	100	25	8.04	8.04	3	60	0.05 (22)	0.19 (19)	0.63 (22)
3	100	25	8.04	8.04	13	121	0.20 (22)	2.28 (22)	2.08 (22)
4	100	25	8.04	8.04	30	181	0.48 (22)	9.17 (22)	4.21 (22)
5	100	25	8.04	8.04	54	241	0.86 (22)	20.58 (22)	6.90 (22)
6	100	25	8.04	8.04	84	301	1.35 (22)	36.41 (22)	10.12 (22)
7	100	25	8.04	8.04	121	362	1.95 (22)	56.62 (22)	13.88 (22)
8	100	25	8.04	8.04	164	422	2.66 (22)	81.21 (22)	18.19 (22)
9	100	25	8.04	8.04	214	482	3.48 (22)	110.18 (22)	23.03 (22)
10	100	25	8.04	8.04	271	542	4.40 (22)	143.52 (22)	28.42 (22)
11	100	25	8.04	8.04	335	603	5.43 (22)	181.23 (22)	34.35 (22)
12	100	25	8.04	8.04	405	663	6.57 (22)	223.30 (22)	40.82 (22)
13	100	25	8.04	8.04	482	723	7.81 (22)	269.75 (22)	47.83 (22)
14	100	25	8.04	8.04	566	783	9.17 (22)	320.57 (22)	55.38 (22)
15	100	25	8.04	8.04	656	844	10.63 (22)	375.79 (22)	63.48 (22)

### Piastra fondazione

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cmq]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cmq]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	$\sigma_c$ [kg/cmq]	$\sigma_{fi}$ [kg/cmq]	$\sigma_{fs}$ [kg/cmq]
1-1-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
1-2-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-3-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-4-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-5-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-6-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-7-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-8-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-9-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-10-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-11-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-12-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-13-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-14-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-15-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-16-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-17-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-18-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-19-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-20-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-21-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-22-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-23-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-24-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-25-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-26-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-27-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-28-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-29-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-30-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-31-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-32-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-33-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-34-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-35-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-36-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-37-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-38-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-39-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-40-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-41-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-42-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-43-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-44-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-45-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-46-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-47-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-48-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-49-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-50-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-51-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-52-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-53-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-54-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-55-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-56-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-57-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-58-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-59-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-60-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-61-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-62-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-63-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-64-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-65-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-66-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-67-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-68-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-69-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-70-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-71-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-72-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-73-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-74-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-75-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-76-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-77-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-78-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-79-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-80-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-81-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-82-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-83-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-84-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-85-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-86-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-87-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-88-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-89-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-90-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-91-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-92-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-93-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-94-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-95-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-96-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-97-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-98-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-99-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-100-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-101-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
3-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
3-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
3-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
3-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
3-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)
4-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
4-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
4-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
4-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
4-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
5-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
5-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
5-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
5-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
5-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
6-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)
6-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
6-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
6-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
6-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
7-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)
7-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)
7-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
7-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)
7-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)
8-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
8-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
8-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
8-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
8-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
9-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
9-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
9-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
9-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
9-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
10-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
10-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
10-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
10-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
10-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
11-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
11-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
11-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
11-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
11-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
12-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
12-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
12-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
12-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
12-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
13-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
13-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
13-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
13-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
13-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
14-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
14-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
14-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
14-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
14-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
15-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
15-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
15-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
15-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
15-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
16-1-S	93	25	6.03	6.03	189	-149	4.08 (20)	192.47 (20)	184.60 (20)
16-2-S	93	25	6.03	6.03	59	-203	11.77 (22)	76.68 (22)	555.79 (22)
16-3-S	93	25	6.03	6.03	290	-10	16.71 (22)	108.88 (22)	789.13 (22)
16-4-S	93	25	6.03	6.03	733	0	7.37 (22)	47.99 (22)	347.80 (22)
16-5-S	93	25	6.03	6.03	1168	0	3.71 (22)	175.27 (22)	34.40 (22)
17-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
17-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
17-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
17-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
17-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
18-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
18-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
18-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
18-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
18-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
19-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
19-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
19-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
19-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
19-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
20-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
20-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
20-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
20-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
20-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
21-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
21-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
21-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
21-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
21-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
22-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
22-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
22-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
22-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
22-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
23-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
23-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
23-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
23-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
23-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
24-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
24-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
24-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
24-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
24-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
25-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)
25-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)
25-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)
25-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)
25-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)
26-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
26-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
26-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
26-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
26-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
27-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
27-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
27-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
27-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
27-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
28-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
28-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
28-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
28-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
28-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
29-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
29-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
29-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
29-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
29-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)

## Combinazioni SLEF

### Paramento

Tensione massima di compressione nel calcestruzzo 207.50 [kg/cm<sup>2</sup>]  
 Tensione massima di trazione dell'acciaio 4588.65 [kg/cm<sup>2</sup>]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
1	100	25	8.04	8.04	0	0	0.00 (20)	0.00 (20)	0.00 (20)
2	100	25	8.04	8.04	1	60	0.03 (23)	0.33 (20)	0.39 (23)
3	100	25	8.04	8.04	3	121	0.07 (23)	0.66 (20)	0.89 (23)
4	100	25	8.04	8.04	6	181	0.12 (23)	0.99 (20)	1.52 (23)
5	100	25	8.04	8.04	11	241	0.18 (23)	1.32 (20)	2.26 (23)
6	100	25	8.04	8.04	17	301	0.25 (23)	1.65 (20)	3.15 (23)
7	100	25	8.04	8.04	24	362	0.35 (23)	1.98 (20)	4.23 (23)
8	100	25	8.04	8.04	33	422	0.48 (23)	2.31 (20)	5.51 (23)
9	100	25	8.04	8.04	43	482	0.63 (23)	4.21 (23)	6.97 (23)
10	100	25	8.04	8.04	54	542	0.81 (23)	7.32 (23)	8.61 (23)
11	100	25	8.04	8.04	67	603	1.01 (23)	11.39 (23)	10.39 (23)
12	100	25	8.04	8.04	81	663	1.24 (23)	16.42 (23)	12.29 (23)
13	100	25	8.04	8.04	96	723	1.49 (23)	22.40 (23)	14.32 (23)
14	100	25	8.04	8.04	113	783	1.76 (23)	29.31 (23)	16.46 (23)
15	100	25	8.04	8.04	131	844	2.06 (23)	37.17 (23)	18.71 (23)

### Piastra fondazione

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cm<sup>2</sup>]  
 Tensione massima di trazione dell'acciaio 3670.92 [kg/cm<sup>2</sup>]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
1-1-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
1-2-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-3-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-4-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-5-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-6-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-7-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-8-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-9-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-10-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-11-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-12-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-13-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-14-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-15-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-16-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-17-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-18-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-19-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-20-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-21-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-22-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-23-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-24-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-25-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-26-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-27-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-28-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-29-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-30-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-31-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-32-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-33-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-34-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-35-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-36-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-37-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-38-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-39-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-40-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-41-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-42-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-43-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-44-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-45-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-46-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-47-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-48-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-49-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-50-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-51-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-52-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-53-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-54-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-55-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-56-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-57-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-58-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-59-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-60-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-61-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-62-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-63-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-64-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-65-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-66-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-67-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-68-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-69-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-70-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-71-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-72-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-73-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-74-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-75-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-76-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-77-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-78-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-79-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-80-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-81-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-82-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-83-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-84-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-85-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-86-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-87-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-88-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-89-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-90-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-91-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-92-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-93-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-94-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-95-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-96-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-97-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-98-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-99-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-100-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-101-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
3-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
3-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
3-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
3-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
3-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)
4-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
4-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
4-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
4-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
4-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
5-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
5-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
5-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
5-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
5-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
6-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)
6-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
6-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
6-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
6-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
7-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)
7-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)



Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
7-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)
7-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)
7-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)
8-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
8-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
8-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
8-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
8-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
9-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
9-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
9-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
9-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
9-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
10-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
10-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
10-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
10-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
10-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
11-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
11-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
11-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
11-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
11-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
12-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
12-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
12-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
12-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
12-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
13-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
13-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
13-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
13-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
13-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
14-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
14-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
14-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
14-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
14-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
15-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
15-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
15-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
15-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
15-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
16-1-S	93	25	6.03	6.03	189	-149	4.08 (20)	192.47 (20)	184.60 (20)
16-2-S	93	25	6.03	6.03	59	-203	11.77 (22)	76.68 (22)	555.79 (22)
16-3-S	93	25	6.03	6.03	290	-10	16.71 (22)	108.88 (22)	789.13 (22)
16-4-S	93	25	6.03	6.03	733	0	7.37 (22)	47.99 (22)	347.80 (22)
16-5-S	93	25	6.03	6.03	1168	0	3.71 (22)	175.27 (22)	34.40 (22)
17-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
17-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
17-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
17-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
17-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
18-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
18-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
18-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
18-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
18-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
19-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
19-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
19-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
19-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
19-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
20-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
20-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
20-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
20-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
20-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
21-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
21-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
21-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
21-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
21-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
22-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
22-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
22-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
22-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
22-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
23-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
23-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
23-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
23-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
23-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
24-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
24-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
24-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
24-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
24-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
25-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)
25-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)
25-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)
25-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)
25-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)



Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
26-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)
26-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
26-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
26-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
26-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
27-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
27-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
27-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
27-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
27-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
28-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
28-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
28-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
28-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
28-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
29-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
29-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
29-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
29-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
29-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)

## Combinazioni SLEQ

### Paramento

Tensione massima di compressione nel calcestruzzo 93.38 [kg/cm<sup>2</sup>]  
Tensione massima di trazione dell'acciaio 4588.65 [kg/cm<sup>2</sup>]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kgm]	N [kg]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
1	100	25	8.04	8.04	0	0	0.00 (21)	0.00 (21)	0.00 (21)
2	100	25	8.04	8.04	0	60	0.02 (21)	0.33 (21)	0.33 (21)
3	100	25	8.04	8.04	0	121	0.04 (21)	0.66 (21)	0.66 (21)
4	100	25	8.04	8.04	0	181	0.07 (21)	0.99 (21)	0.99 (21)
5	100	25	8.04	8.04	0	241	0.09 (21)	1.32 (21)	1.32 (21)
6	100	25	8.04	8.04	0	301	0.11 (21)	1.65 (21)	1.65 (21)
7	100	25	8.04	8.04	0	362	0.13 (21)	1.98 (21)	1.98 (21)
8	100	25	8.04	8.04	0	422	0.15 (21)	2.31 (21)	2.31 (21)
9	100	25	8.04	8.04	0	482	0.18 (21)	2.64 (21)	2.64 (21)
10	100	25	8.04	8.04	0	542	0.20 (21)	2.97 (21)	2.97 (21)
11	100	25	8.04	8.04	0	603	0.22 (21)	3.30 (21)	3.30 (21)
12	100	25	8.04	8.04	0	663	0.24 (21)	3.63 (21)	3.63 (21)
13	100	25	8.04	8.04	0	723	0.26 (21)	3.96 (21)	3.96 (21)
14	100	25	8.04	8.04	0	783	0.29 (21)	4.29 (21)	4.29 (21)
15	100	25	8.04	8.04	0	844	0.31 (21)	4.61 (21)	4.62 (21)

### Piastra fondazione

Tensione massima di compressione nel calcestruzzo 124.50 [kg/cm<sup>2</sup>]  
Tensione massima di trazione dell'acciaio 3670.92 [kg/cm<sup>2</sup>]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm <sup>2</sup> ]	σfi [kg/cm <sup>2</sup> ]	σfs [kg/cm <sup>2</sup> ]
1-1-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
1-2-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-3-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-4-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-5-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-6-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-7-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-8-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-9-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-10-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-11-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-12-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-13-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-14-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-15-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-16-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-17-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-18-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-19-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-20-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-21-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-22-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-23-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-24-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-25-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-26-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-27-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-28-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-29-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
1-30-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-31-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-32-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-33-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-34-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-35-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-36-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-37-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-38-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-39-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-40-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-41-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-42-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-43-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-44-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-45-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-46-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-47-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-48-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-49-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-50-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-51-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-52-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-53-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-54-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-55-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-56-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-57-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-58-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-59-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-60-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-61-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-62-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-63-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-64-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-65-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-66-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-67-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-68-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-69-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-70-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-71-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-72-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-73-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-74-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-75-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.88 (22)	397.95 (22)
1-76-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.29 (22)	87.73 (22)
1-77-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.88 (22)	14.63 (22)
1-78-P	80	25	8.04	8.04	234	0	0.31 (22)	11.93 (22)	11.82 (22)
1-79-P	80	25	8.04	8.04	245	0	0.34 (22)	8.41 (22)	13.18 (22)
1-80-P	80	25	8.04	8.04	234	0	0.31 (22)	11.94 (22)	11.82 (22)
1-81-P	80	25	8.04	8.04	180	-1	0.49 (22)	18.89 (22)	14.63 (22)
1-82-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.30 (22)	87.72 (22)
1-83-P	80	25	8.04	8.04	60	-452	10.35 (22)	98.92 (22)	397.92 (22)
1-84-P	80	25	8.04	8.04	89	-86	2.28 (22)	62.38 (22)	87.70 (22)
1-85-P	80	25	8.04	8.04	179	-1	0.50 (22)	19.05 (22)	14.61 (22)
1-86-P	80	25	8.04	8.04	233	0	0.32 (22)	12.35 (22)	11.76 (22)
1-87-P	80	25	8.04	8.04	243	0	0.34 (22)	9.04 (22)	12.88 (22)
1-88-P	80	25	8.04	8.04	231	0	0.30 (22)	9.59 (22)	11.41 (22)
1-89-P	80	25	8.04	8.04	173	-1	0.49 (22)	18.98 (22)	14.12 (22)
1-90-P	80	25	8.04	8.04	82	-93	2.23 (22)	63.27 (22)	85.88 (22)
1-91-P	80	25	8.04	8.04	57	-471	10.27 (22)	101.70 (22)	394.85 (22)
1-92-P	80	25	8.04	8.04	84	-121	2.24 (22)	61.52 (22)	86.19 (22)
1-93-P	80	25	8.04	8.04	138	-25	0.61 (22)	23.59 (22)	13.42 (22)
1-94-P	80	25	8.04	8.04	145	-10	0.33 (22)	12.21 (22)	12.59 (22)
1-95-P	80	25	8.04	8.04	116	-8	0.43 (22)	5.64 (22)	16.56 (22)
1-96-P	80	25	8.04	8.04	82	-12	0.54 (22)	4.16 (22)	20.72 (22)
1-97-P	80	25	8.04	8.04	50	-14	0.58 (22)	4.48 (22)	22.30 (22)
1-98-P	80	25	8.04	8.04	28	-16	0.55 (22)	4.28 (22)	21.33 (22)
1-99-P	80	25	8.04	8.04	15	-19	0.47 (22)	3.65 (22)	18.18 (22)
1-100-P	80	25	8.04	8.04	7	-17	0.32 (22)	2.44 (22)	12.18 (22)
1-101-P	80	25	8.04	8.04	3	-10	0.14 (22)	1.11 (22)	5.53 (22)
3-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
3-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
3-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
3-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
3-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)
4-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
4-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
4-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
4-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
4-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
5-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
5-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
5-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
5-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
5-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
6-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)
6-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
6-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
6-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
6-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
7-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cmq]	ofi [kg/cmq]	ofs [kg/cmq]
7-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)
7-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)
7-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)
7-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)
8-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
8-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
8-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
8-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
8-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
9-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
9-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
9-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
9-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
9-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
10-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
10-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
10-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
10-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
10-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
11-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
11-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
11-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
11-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
11-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
12-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
12-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
12-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
12-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
12-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
13-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
13-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
13-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
13-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
13-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
14-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
14-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
14-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
14-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
14-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
15-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
15-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
15-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
15-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
15-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
16-1-S	93	25	6.03	6.03	189	-149	4.08 (20)	192.47 (20)	184.60 (20)
16-2-S	93	25	6.03	6.03	59	-203	11.77 (22)	76.68 (22)	555.79 (22)
16-3-S	93	25	6.03	6.03	290	-10	16.71 (22)	108.88 (22)	789.13 (22)
16-4-S	93	25	6.03	6.03	733	0	7.37 (22)	47.99 (22)	347.80 (22)
16-5-S	93	25	6.03	6.03	1168	0	3.71 (22)	175.27 (22)	34.40 (22)
17-1-S	93	25	8.04	8.04	52	-3	0.71 (22)	19.82 (22)	29.22 (22)
17-2-S	93	25	8.04	8.04	152	0	1.71 (22)	12.55 (22)	70.36 (22)
17-3-S	93	25	8.04	8.04	319	0	3.11 (22)	22.80 (22)	127.86 (22)
17-4-S	93	25	8.04	8.04	482	0	4.11 (22)	30.15 (22)	169.06 (22)
17-5-S	93	25	8.04	8.04	564	0	5.32 (22)	39.05 (22)	218.98 (22)
18-1-S	93	25	8.04	8.04	192	-131	3.84 (20)	157.87 (20)	122.63 (20)
18-2-S	93	25	8.04	8.04	61	-197	9.80 (22)	71.98 (22)	403.60 (22)
18-3-S	93	25	8.04	8.04	296	-10	14.13 (22)	103.76 (22)	581.79 (22)
18-4-S	93	25	8.04	8.04	720	0	6.30 (22)	46.27 (22)	259.44 (22)
18-5-S	93	25	8.04	8.04	1135	0	3.87 (22)	159.49 (22)	79.96 (22)
19-1-S	93	25	6.03	6.03	49	-16	1.21 (22)	25.75 (22)	57.07 (22)
19-2-S	93	25	6.03	6.03	147	-5	2.58 (22)	16.83 (22)	121.96 (22)
19-3-S	93	25	6.03	6.03	313	0	4.21 (22)	27.42 (22)	198.74 (22)
19-4-S	93	25	6.03	6.03	505	0	4.89 (22)	31.87 (22)	231.02 (22)
19-5-S	93	25	6.03	6.03	624	0	5.33 (22)	34.73 (22)	251.71 (22)
20-1-S	93	25	8.04	8.04	191	-96	3.64 (20)	149.79 (20)	99.77 (20)
20-2-S	93	25	8.04	8.04	77	-183	8.68 (22)	63.74 (22)	357.41 (22)
20-3-S	93	25	8.04	8.04	304	-6	12.94 (22)	94.97 (22)	532.52 (22)
20-4-S	93	25	8.04	8.04	684	0	6.02 (22)	44.19 (22)	247.77 (22)
20-5-S	93	25	8.04	8.04	1041	0	3.95 (22)	162.65 (22)	125.38 (22)
21-1-S	93	25	8.04	8.04	41	-42	1.93 (22)	21.20 (22)	79.59 (22)
21-2-S	93	25	8.04	8.04	138	-14	3.36 (22)	24.66 (22)	138.28 (22)
21-3-S	93	25	8.04	8.04	304	-5	4.68 (22)	34.34 (22)	192.56 (22)
21-4-S	93	25	8.04	8.04	548	0	4.56 (22)	33.48 (22)	187.73 (22)
21-5-S	93	25	8.04	8.04	735	0	4.29 (22)	84.60 (22)	176.49 (22)
22-1-S	93	25	8.04	8.04	121	-124	3.07 (20)	126.29 (20)	96.84 (20)
22-2-S	93	25	8.04	8.04	106	-112	6.43 (22)	47.19 (22)	264.61 (22)
22-3-S	93	25	8.04	8.04	306	-5	9.60 (22)	70.47 (22)	395.12 (22)
22-4-S	93	25	8.04	8.04	627	0	5.40 (22)	39.62 (22)	222.16 (22)
22-5-S	93	25	8.04	8.04	910	0	3.62 (22)	137.60 (22)	148.94 (22)
23-1-S	93	25	6.03	6.03	84	-103	2.45 (20)	115.56 (20)	106.51 (20)
23-2-S	93	25	6.03	6.03	108	-85	6.51 (22)	42.43 (22)	307.54 (22)
23-3-S	93	25	6.03	6.03	305	-5	9.66 (22)	62.92 (22)	456.01 (22)
23-4-S	93	25	6.03	6.03	609	0	5.97 (22)	38.87 (22)	281.69 (22)
23-5-S	93	25	6.03	6.03	873	0	4.29 (22)	168.07 (22)	202.36 (22)
24-1-S	93	25	8.04	8.04	39	-42	1.72 (22)	14.76 (22)	71.00 (22)
24-2-S	93	25	8.04	8.04	123	-19	3.79 (22)	27.81 (22)	155.91 (22)
24-3-S	93	25	8.04	8.04	303	-5	5.43 (22)	39.90 (22)	223.72 (22)
24-4-S	93	25	8.04	8.04	562	0	4.68 (22)	34.39 (22)	192.82 (22)
24-5-S	93	25	8.04	8.04	767	0	4.23 (22)	95.75 (22)	174.18 (22)
25-1-S	93	25	8.04	8.04	186	-98	3.50 (20)	143.94 (20)	85.87 (20)
25-2-S	93	25	8.04	8.04	81	-173	8.27 (22)	60.75 (22)	340.62 (22)
25-3-S	93	25	8.04	8.04	305	-6	12.30 (22)	90.27 (22)	506.18 (22)
25-4-S	93	25	8.04	8.04	672	0	5.89 (22)	43.24 (22)	242.46 (22)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kgm]	Mn [kgm]	σc [kg/cm²]	ofi [kg/cm²]	ofs [kg/cm²]
25-5-S	93	25	8.04	8.04	1012	0	3.95 (22)	162.58 (22)	132.33 (22)
26-1-S	93	25	6.03	6.03	42	-17	1.39 (22)	25.60 (22)	65.45 (22)
26-2-S	93	25	6.03	6.03	142	-7	2.81 (22)	18.33 (22)	132.85 (22)
26-3-S	93	25	6.03	6.03	307	-2	4.40 (22)	28.70 (22)	208.01 (22)
26-4-S	93	25	6.03	6.03	509	0	4.90 (22)	31.94 (22)	231.53 (22)
26-5-S	93	25	6.03	6.03	647	0	5.28 (22)	50.22 (22)	249.26 (22)
27-1-S	93	25	8.04	8.04	198	-121	3.51 (20)	144.50 (20)	113.76 (20)
27-2-S	93	25	8.04	8.04	63	-225	9.56 (22)	70.18 (22)	393.51 (22)
27-3-S	93	25	8.04	8.04	259	-21	13.82 (22)	101.43 (22)	568.75 (22)
27-4-S	93	25	8.04	8.04	649	0	6.01 (22)	44.09 (22)	247.20 (22)
27-5-S	93	25	8.04	8.04	1057	0	3.99 (22)	164.31 (22)	82.80 (22)
28-1-S	93	25	8.04	8.04	51	-27	0.35 (22)	4.37 (22)	14.30 (22)
28-2-S	93	25	8.04	8.04	78	-22	0.85 (22)	6.24 (22)	34.97 (22)
28-3-S	93	25	8.04	8.04	109	-18	1.90 (22)	13.92 (22)	78.05 (22)
28-4-S	93	25	8.04	8.04	115	-24	3.38 (22)	24.84 (22)	139.31 (22)
28-5-S	93	25	8.04	8.04	96	-75	5.48 (22)	40.23 (22)	225.60 (22)
29-1-S	93	25	8.04	8.04	9	-1	0.05 (22)	0.87 (22)	2.08 (22)
29-2-S	93	25	8.04	8.04	9	-14	0.45 (22)	3.32 (22)	18.61 (22)
29-3-S	93	25	8.04	8.04	0	-91	1.39 (20)	10.22 (20)	57.29 (20)
29-4-S	93	25	8.04	8.04	0	-193	2.94 (20)	21.56 (20)	120.88 (20)
29-5-S	93	25	8.04	8.04	0	-338	5.13 (20)	37.70 (20)	211.37 (20)

### Verifica a fessurazione

#### Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Af	area ferri zona tesa espresso in [cmq]
Aeff	area efficace espressa in [cmq]
M	momento agente espressa in [kgm]
Mpf	momento di formazione/apertura fessure espressa in [kgm]
ε	deformazione espresso in %
Sm	spaziatura tra le fessure espressa in [mm]
w	apertura delle fessure espressa in [mm]

### Combinazioni SLEF

#### Paramento

Apertura limite fessure  $w_{lim}=0.40$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	100	25	0.00	0.00	0	0	---	---	0.000 (20)
2	100	25	0.00	0.00	0	0	---	---	0.000 (20)
3	100	25	0.00	0.00	0	0	---	---	0.000 (20)
4	100	25	0.00	0.00	0	0	---	---	0.000 (20)
5	100	25	0.00	0.00	0	0	0.000000	0.00	0.000 (20)
6	100	25	0.00	0.00	0	0	---	---	0.000 (20)
7	100	25	0.00	0.00	0	0	---	---	0.000 (20)
8	100	25	0.00	0.00	0	0	0.000000	0.00	0.000 (20)
9	100	25	0.00	0.00	0	0	---	---	0.000 (20)
10	100	25	0.00	0.00	0	0	---	---	0.000 (20)
11	100	25	0.00	0.00	0	0	---	---	0.000 (20)
12	100	25	0.00	0.00	0	0	---	---	0.000 (20)
13	100	25	0.00	0.00	0	0	---	---	0.000 (20)
14	100	25	8.04	639.16	0	3284	0.000000	0.00	0.000 (20)
15	100	25	8.04	638.88	0	3286	0.000000	0.00	0.000 (20)

### Piastra fondazione

Apertura limite fessure  $w_{lim}=0.40$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000

Is	B	H	Af	Aeff	M	Mpf	ε	Sm	w
	[cm]	[cm]	[cmq]	[cmq]	[kgm]	[kgm]	[%]	[mm]	[mm]
1-16-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-20-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-27-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-36-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-86-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-95-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
4-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
5-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
6-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
8-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	189	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-673	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-955	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-421	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	212	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
18-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
20-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
23-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
23-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
25-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
27-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000

## Combinazioni SLEQ

### Paramento

Apertura limite fessure  $w_{lim}=0.30$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1	100	25	0.00	0.00	0	0	---	---	0.000 (21)
2	100	25	0.00	0.00	0	0	---	---	0.000 (21)
3	100	25	0.00	0.00	0	0	---	---	0.000 (21)
4	100	25	0.00	0.00	0	0	---	---	0.000 (21)
5	100	25	0.00	0.00	0	0	0.000000	0.00	0.000 (21)
6	100	25	0.00	0.00	0	0	---	---	0.000 (21)
7	100	25	0.00	0.00	0	0	---	---	0.000 (21)
8	100	25	0.00	0.00	0	0	0.000000	0.00	0.000 (21)
9	100	25	0.00	0.00	0	0	---	---	0.000 (21)
10	100	25	0.00	0.00	0	0	---	---	0.000 (21)
11	100	25	0.00	0.00	0	0	---	---	0.000 (21)
12	100	25	0.00	0.00	0	0	---	---	0.000 (21)
13	100	25	0.00	0.00	0	0	---	---	0.000 (21)
14	100	25	8.04	639.16	0	3284	0.000000	0.00	0.000 (21)
15	100	25	8.04	638.88	0	3286	0.000000	0.00	0.000 (21)

### Piastra fondazione

Apertura limite fessure  $w_{lim}=0.30$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-1-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
1-2-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-3-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-4-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-5-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-6-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-7-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-8-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-9-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-10-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-11-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-12-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-13-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-14-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-15-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-16-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-17-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-18-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-19-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000



Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
1-20-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-21-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-22-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-23-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-24-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-25-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-26-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-27-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-28-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-29-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-30-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-31-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-32-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-33-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-34-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-35-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-36-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-37-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-38-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-39-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-40-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-41-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-42-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-43-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-44-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-45-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-46-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-47-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-48-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-49-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-50-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-51-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-52-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-53-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-54-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-55-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-56-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-57-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-58-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-59-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-60-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-61-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-62-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-63-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-64-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-65-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-66-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-67-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-68-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-69-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-70-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-71-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-72-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-73-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-74-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-75-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-76-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-77-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-78-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-79-P	80	25	8.04	501.97	-21	-2680	0.000000	0.00	0.000
1-80-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-81-P	80	25	8.04	501.97	24	-2680	0.000000	0.00	0.000
1-82-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-83-P	80	25	8.04	501.97	-542	-2680	0.000000	0.00	0.000
1-84-P	80	25	8.04	501.97	-133	-2680	0.000000	0.00	0.000
1-85-P	80	25	8.04	501.97	25	-2680	0.000000	0.00	0.000
1-86-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-87-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-88-P	80	25	8.04	501.97	-18	-2680	0.000000	0.00	0.000
1-89-P	80	25	8.04	501.97	26	-2680	0.000000	0.00	0.000
1-90-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-91-P	80	25	8.04	501.97	-538	-2680	0.000000	0.00	0.000
1-92-P	80	25	8.04	501.97	-130	-2680	0.000000	0.00	0.000
1-93-P	80	25	8.04	501.97	30	-2680	0.000000	0.00	0.000
1-94-P	80	25	8.04	501.97	-20	-2680	0.000000	0.00	0.000
1-95-P	80	25	8.04	501.97	-26	-2680	0.000000	0.00	0.000
1-96-P	80	25	8.04	501.97	-33	-2680	0.000000	0.00	0.000
1-97-P	80	25	8.04	501.97	-35	-2680	0.000000	0.00	0.000
1-98-P	80	25	8.04	501.97	-34	-2680	0.000000	0.00	0.000
1-99-P	80	25	8.04	501.97	-29	-2680	0.000000	0.00	0.000
1-100-P	80	25	8.04	501.97	-19	-2680	0.000000	0.00	0.000
1-101-P	80	25	8.04	501.97	-9	-2680	0.000000	0.00	0.000
3-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
3-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
3-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
3-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
3-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000
4-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
4-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
4-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
4-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
4-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
5-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000



Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
5-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
5-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
5-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
5-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
6-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
6-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
6-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
6-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
6-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
7-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
7-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
7-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
7-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
7-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
8-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
8-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
8-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
8-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
8-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
9-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
9-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
9-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
9-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000
9-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
10-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
10-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
10-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
10-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
10-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
11-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
11-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
11-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
11-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
11-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
12-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
12-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
12-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
12-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
12-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
13-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
13-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
13-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
13-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
13-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
14-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
14-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
14-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
14-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
14-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
15-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
15-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
15-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
15-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
15-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
16-1-S	93	25	6.03	607.91	189	-2939	0.000000	0.00	0.000
16-2-S	93	25	6.03	607.91	-673	-2939	0.000000	0.00	0.000
16-3-S	93	25	6.03	607.91	-955	-2939	0.000000	0.00	0.000
16-4-S	93	25	6.03	607.91	-421	-2939	0.000000	0.00	0.000
16-5-S	93	25	6.03	607.91	212	-2939	0.000000	0.00	0.000
17-1-S	93	25	8.04	590.26	-47	-3039	0.000000	0.00	0.000
17-2-S	93	25	8.04	590.26	-112	-3039	0.000000	0.00	0.000
17-3-S	93	25	8.04	590.26	-204	-3039	0.000000	0.00	0.000
17-4-S	93	25	8.04	590.26	-270	-3039	0.000000	0.00	0.000
17-5-S	93	25	8.04	590.26	-350	-3039	0.000000	0.00	0.000
18-1-S	93	25	8.04	590.26	192	-3039	0.000000	0.00	0.000
18-2-S	93	25	8.04	590.26	-645	-3039	0.000000	0.00	0.000
18-3-S	93	25	8.04	590.26	-929	-3039	0.000000	0.00	0.000
18-4-S	93	25	8.04	590.26	-414	-3039	0.000000	0.00	0.000
18-5-S	93	25	8.04	590.26	206	-3039	0.000000	0.00	0.000
19-1-S	93	25	6.03	607.91	-69	-2939	0.000000	0.00	0.000
19-2-S	93	25	6.03	607.91	-148	-2939	0.000000	0.00	0.000
19-3-S	93	25	6.03	607.91	-240	-2939	0.000000	0.00	0.000
19-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
19-5-S	93	25	6.03	607.91	-305	-2939	0.000000	0.00	0.000
20-1-S	93	25	8.04	590.26	191	-3039	0.000000	0.00	0.000
20-2-S	93	25	8.04	590.26	-571	-3039	0.000000	0.00	0.000
20-3-S	93	25	8.04	590.26	-850	-3039	0.000000	0.00	0.000
20-4-S	93	25	8.04	590.26	-396	-3039	0.000000	0.00	0.000
20-5-S	93	25	8.04	590.26	173	-3039	0.000000	0.00	0.000
21-1-S	93	25	8.04	590.26	-127	-3039	0.000000	0.00	0.000
21-2-S	93	25	8.04	590.26	-221	-3039	0.000000	0.00	0.000
21-3-S	93	25	8.04	590.26	-307	-3039	0.000000	0.00	0.000
21-4-S	93	25	8.04	590.26	-300	-3039	0.000000	0.00	0.000
21-5-S	93	25	8.04	590.26	-242	-3039	0.000000	0.00	0.000
22-1-S	93	25	8.04	590.26	-124	-3039	0.000000	0.00	0.000
22-2-S	93	25	8.04	590.26	-423	-3039	0.000000	0.00	0.000
22-3-S	93	25	8.04	590.26	-631	-3039	0.000000	0.00	0.000
22-4-S	93	25	8.04	590.26	-355	-3039	0.000000	0.00	0.000
22-5-S	93	25	8.04	590.26	-159	-3039	0.000000	0.00	0.000
23-1-S	93	25	6.03	607.91	-103	-2939	0.000000	0.00	0.000
23-2-S	93	25	6.03	607.91	-372	-2939	0.000000	0.00	0.000
23-3-S	93	25	6.03	607.91	-552	-2939	0.000000	0.00	0.000
23-4-S	93	25	6.03	607.91	-341	-2939	0.000000	0.00	0.000

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kgm]	Mpf [kgm]	ε [%]	Sm [mm]	w [mm]
23-5-S	93	25	6.03	607.91	-175	-2939	0.000000	0.00	0.000
24-1-S	93	25	8.04	590.26	-113	-3039	0.000000	0.00	0.000
24-2-S	93	25	8.04	590.26	-249	-3039	0.000000	0.00	0.000
24-3-S	93	25	8.04	590.26	-357	-3039	0.000000	0.00	0.000
24-4-S	93	25	8.04	590.26	-308	-3039	0.000000	0.00	0.000
24-5-S	93	25	8.04	590.26	-225	-3039	0.000000	0.00	0.000
25-1-S	93	25	8.04	590.26	186	-3039	0.000000	0.00	0.000
25-2-S	93	25	8.04	590.26	-544	-3039	0.000000	0.00	0.000
25-3-S	93	25	8.04	590.26	-808	-3039	0.000000	0.00	0.000
25-4-S	93	25	8.04	590.26	-387	-3039	0.000000	0.00	0.000
25-5-S	93	25	8.04	590.26	161	-3039	0.000000	0.00	0.000
26-1-S	93	25	6.03	607.91	-79	-2939	0.000000	0.00	0.000
26-2-S	93	25	6.03	607.91	-161	-2939	0.000000	0.00	0.000
26-3-S	93	25	6.03	607.91	-252	-2939	0.000000	0.00	0.000
26-4-S	93	25	6.03	607.91	-280	-2939	0.000000	0.00	0.000
26-5-S	93	25	6.03	607.91	-287	-2939	0.000000	0.00	0.000
27-1-S	93	25	8.04	590.26	198	-3039	0.000000	0.00	0.000
27-2-S	93	25	8.04	590.26	-628	-3039	0.000000	0.00	0.000
27-3-S	93	25	8.04	590.26	-908	-3039	0.000000	0.00	0.000
27-4-S	93	25	8.04	590.26	-395	-3039	0.000000	0.00	0.000
27-5-S	93	25	8.04	590.26	212	-3039	0.000000	0.00	0.000
28-1-S	93	25	8.04	590.26	-23	-3039	0.000000	0.00	0.000
28-2-S	93	25	8.04	590.26	-56	-3039	0.000000	0.00	0.000
28-3-S	93	25	8.04	590.26	-125	-3039	0.000000	0.00	0.000
28-4-S	93	25	8.04	590.26	-222	-3039	0.000000	0.00	0.000
28-5-S	93	25	8.04	590.26	-360	-3039	0.000000	0.00	0.000
29-1-S	93	25	8.04	590.26	-3	-3039	0.000000	0.00	0.000
29-2-S	93	25	8.04	590.26	-30	-3039	0.000000	0.00	0.000
29-3-S	93	25	8.04	590.26	-91	-3039	0.000000	0.00	0.000
29-4-S	93	25	8.04	590.26	-193	-3039	0.000000	0.00	0.000
29-5-S	93	25	8.04	590.26	-338	-3039	0.000000	0.00	0.000

## Elenco ferri

### Simbologia adottata

n°	Indice del ferro
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
P <sub>ferro</sub>	Peso ferro espresso in [kg]

### Paramento

n°	Tipo	nf	D [mm]	L [m]	P <sub>f</sub> [kg]	P <sub>gf</sub> [kg]	V <sub>cls</sub> [mc]
1	Dritto inferiore	4	16.00	1.48	2.33	9.33	
2	Dritto superiore	4	16.00	1.79	2.83	11.31	
3	Dritto superiore	4	16.00	1.44	2.27	9.09	
4	Dritto inferiore	4	16.00	1.79	2.83	11.31	
5	Ripartitore	8	10.00	1.00	0.62	4.93	
6	Gancio	8	10.00	0.36	0.22	1.77	
	<b>Totale al metro</b>					<b>47.75</b>	<b>0.34</b>
	<b>Totale</b>					<b>1193.69</b>	<b>8.44</b>

### Piastra fondazione

n°	Tipo	nf	D [mm]	L [m]	P <sub>f</sub> [kg]	P <sub>gf</sub> [kg]	V <sub>cls</sub> [mc]
1	Dritto superiore Orizzontale [M]	4	16.00	3.82	6.03	24.12	
2	Dritto superiore Orizzontale [M]	4	16.00	12.00	18.94	75.76	
3	Dritto superiore Orizzontale [M]	4	16.00	12.00	18.94	75.76	
4	Dritto inferiore Orizzontale [M]	4	16.00	3.82	6.03	24.12	
5	Dritto inferiore Orizzontale [M]	4	16.00	12.00	18.94	75.76	
6	Dritto inferiore Orizzontale [M]	4	16.00	12.00	18.94	75.76	
7	Dritto inferiore Verticale [M]	101	16.00	1.95	3.08	310.85	
8	Dritto superiore Verticale [M]	101	16.00	1.95	3.08	310.85	
	<b>Totale</b>					<b>972.98</b>	<b>6.56</b>

### Pali

### Micropali (singolo micropalo della fila)

### Simbologia adottata

n°	Indice della fila
Dt, St	diametro e spessore del tubolare espressi in [mm]
np	numero ferri
L	Lunghezza del tubolare espresso in [m]
P <sub>ferro</sub>	Peso tubolare espresso in [kg]
V <sub>cls</sub>	Volume cls/malta espresso in [mc]

n°	Tipologia	Dt - St [mm]	np	L [m]	P <sub>ferro</sub> [kg]	V <sub>cls</sub> [mc]
1	Tipologia palo	114.30 - 10.00	11	12.43	319.70	0.28
	<b>Totale</b>				<b>3516.68</b>	<b>3.11</b>

### Computo metrico

	U.M.	Quantità	Prezzo unitario [Euro]	Importo [Euro]
Calcestruzzo in elevazione	[mc]	8.44	72.30	610.03
Calcestruzzo in fondazione	[mc]	6.56	61.97	406.68
Acciaio per armatura	[kg]	2166.67	0.90	1950.00
Casseformi	[mq]	67.50	13.94	940.95
Scavo a sezione obbligata	[mc]	13.13	9.30	122.06
<b>Totale muro</b>				<b>4029.72</b>
Malta micropali	[mc]	3.11	60.20	187.23
Acciaio tubolari	[kg]	3516.68	1.32	4642.02
Perforazione	[m]	99.00	36.15	3578.85
<b>Totale pali</b>				<b>8408.10</b>
<b>Totale</b>				<b>12437.82</b>

## Dichiarazioni secondo N.T.C. 2018 (punto 10.2)

### Analisi e verifiche svolte con l'ausilio di codici di calcolo

Il sottoscritto ING STEFANO ANICHINI, in qualità di calcolatore delle opere in progetto, dichiara quanto segue.

#### Tipo di analisi svolta

L'analisi strutturale e le verifiche sono condotte con l'ausilio di un codice di calcolo automatico. La verifica della sicurezza degli elementi strutturali è stata valutata con i metodi della scienza delle costruzioni.

Il calcolo dei muri di sostegno viene eseguito secondo le seguenti fasi:

- Calcolo della spinta del terreno
- Verifica a ribaltamento
- Verifica a scorrimento del muro sul piano di posa
- Verifica della stabilità complesso fondazione terreno (carico limite)
- Verifica della stabilità globale
- Calcolo delle sollecitazioni sia del muro che della fondazione, progetto delle armature e relative verifiche dei materiali.
- Calcolo della portanza assiale e trasversale dei pali. Progetto e verifica delle armature dei pali inseriti.

L'analisi strutturale sotto le azioni sismiche è condotta con il metodo dell'analisi statica equivalente secondo le disposizioni del capitolo 7 del D.M. 17/01/2018.

La verifica delle sezioni degli elementi strutturali è eseguita con il metodo degli Stati Limite. Le combinazioni di carico adottate sono esaustive relativamente agli scenari di carico più gravosi cui l'opera sarà soggetta.

#### Origine e caratteristiche dei codici di calcolo

Titolo	MAX - Analisi e Calcolo Muri di Sostegno
Versione	16.0
Produttore	Aztec Informatica srl, Casali del Manco - loc. Casole Bruzio (CS)
Utente	ING. ANICHINI STEFANO
Licenza	AIU6412KL

#### Affidabilità dei codici di calcolo

Un attento esame preliminare della documentazione a corredo del software ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore del software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. La società produttrice Aztec Informatica srl ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

#### Modalità di presentazione dei risultati

La relazione di calcolo strutturale presenta i dati di calcolo tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità. La relazione di calcolo illustra in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare.

#### Informazioni generali sull'elaborazione

Il software prevede una serie di controlli automatici che consentono l'individuazione di errori di modellazione, di non rispetto di limitazioni geometriche e di armatura e di presenza di elementi non verificati. Il codice di calcolo consente di visualizzare e controllare, sia in forma grafica che tabellare, i dati del modello strutturale, in modo da avere una visione consapevole del comportamento corretto del modello strutturale.

#### Giudizio motivato di accettabilità dei risultati

I risultati delle elaborazioni sono stati sottoposti a controlli dal sottoscritto utente del software. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali. Inoltre sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

In base a quanto sopra, io sottoscritto asserisco che l'elaborazione è corretta ed idonea al caso specifico, pertanto i risultati di calcolo sono da ritenersi validi ed accettabili.

Luogo e data

Calenzano 30.12.2023

Il progettista  
(ING STEFANO ANICHINI)



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