ERG Wind Energy

REPOWERING DI UN IMPIANTO EOLICO DI POTENZA PARI A 62,00 MW, DA REALIZZARSI NEI COMUNI DI POGGIO IMPERIALE E APRICENA(FG) IN LOCALITÀ ZANCARDI

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UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
UNI ISO 45001:2018

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ELABORATO	TITOLO	TIPOLOGIA
C10	**CALCOLI PRELIMINARI DELLE STRUTTURE**	**D**
		CODICE ELABORATO: **DC23048-C10**
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		NOME FILE: **DC23048-C10.doc** / PAGINE: **119 + copertina**

REV	DATA	MODIFICA	Elaborato	Controllato	Approvato
00	30/10/23	Emissione	Marseglia	Miglionico	Pomponio
01					
02					
03					
04					
05					
06					

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1. PREMESSA

Oggetto della presente è la progettazione definitiva per l'ammodernamento complessivo (repowering) di un impianto eolico esistente sito nel Comune di Poggio Imperiale (FG), in località "Zancardi" e delle relative opere ed infrastrutture connesse e necessarie da realizzarsi, proposto dalla società **ERG Wind Energy**.

In particolare, il progetto prevede la dismissione del vecchio impianto e l'installazione nelle stesse aree di 10 aerogeneratori di grande taglia, aventi diametro del rotore fino a 175 m, altezza al mozzo fino a 132,50 m e altezza totale fino a 220,00 m, ed una potenza nominale fino a 6,2 MW ciascuno, per una potenza totale di 62,00 MW, da realizzarsi nei comuni di Poggio Imperiale e Apricena (FG).

La torre, il generatore e la cabina di trasformazione andranno a scaricare su una struttura di fondazione in cemento armato del tipo indiretto su pali.

La fondazione viene calcolata in modo tale da poter sopportare il carico della macchina e il momento prodotto sia dal carico concentrato posto in testa alla torre che dall'azione cinetica delle pale in movimento.

Le verifiche di stabilità del terreno e delle strutture di fondazione sono state eseguite con i metodi ed i procedimenti della geotecnica, tenendo conto delle massime sollecitazioni sul terreno che la struttura trasmette.

Le strutture di fondazione sono dimensionate in conformità alla normativa tecnica vigente.

Tutti i calcoli di seguito riportati e la relativa scelta di materiali, sezioni e dimensioni andranno verificati in sede di progettazione esecutiva e potranno pertanto subire variazioni anche sostanziali per mantenere i necessari livelli di sicurezza.

2. 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 stabilitàdei 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 21 gennaio 2019, n. 7 C.S.LL.PP.

Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.

3. RICHIAMI TEORICI - METODI DI ANALISI

Calcolo - Analisi ad elementi finiti

Per l'analisi platea si utilizza il metodo degli elementi finiti (FEM). La struttura viene suddivisa in elementi connessi fra di loro in corrispondenza dei nodi. Il campo di spostamenti interno all'elemento viene approssimato in funzione degli spostamenti nodali mediante le funzioni di forma. Il programma utilizza, per l'analisi tipo piastra, elementi quadrangolari e triangolari. Nel problema di tipo piastra gli spostamenti nodali sono lo spostamento verticale *w* e le rotazione intorno agli assi x e y, ϕ_x e ϕ_x, legati allo spostamento *w* tramite relazioni

$$\phi_x = -dw/dy$$
$$\phi_y = dw/dx$$

Note le funzioni di forma che legano gli spostamenti nodali al campo di spostamenti sul singolo elemento è possibile costruire la matrice di rigidezza dell'elemento $\mathbf{k_e}$ ed il vettore dei carichi nodali dell'elemento $\mathbf{p_e}$.
La fase di assemblaggio consente di ottenere la ottenere la matrice di rigidezza globale della struttura **K** ed il vettore dei carichi nodali **p**. La soluzione del sistema

$$\mathbf{K\,u} = \mathbf{p}$$

consente di ricavare il vettore degli spostamenti nodali **u**.
Dagli spostamenti nodali è possibile risalire per ogni elemento al campo di spostamenti ed alle sollecitazioni M_x, M_y ed M_{xy}.
Il terreno di fondazione se presente viene modellato con delle molle disposte in corrispondenza dei nodi. La rigidezza delle molle è proporzionale alla costante di sottofondo *k* ed all'area dell'elemento.
I pali di fondazione sono modellati con molle verticali aventi rigidezza pari alla rigidezza verticale del palo.

Per l'analisi tipo lastra (analisi della piastra soggetta a carichi nel piano) vengono utilizzati elementi triangolari a 6 nodi a deformazione quadratica. Gli spostamenti nodali sono gli spostamenti *u* e *v* nel piano XY. L'analisi fornisce in tal caso il campo di spostamenti orizzontali e le tensioni nel piano della lastra σ_x, σ_y e τ_{xy}. Dalle tensioni è possibile ricavare, noto lo spessore, gli sforzi normali N_x, N_y e N_{xy}.
Nell'analisi tipo lastra i pali di fondazione sono modellati con molle orizzontali in direzione X e Y aventi rigidezza pari alla rigidezza orizzontale del palo.

Nel caso di platea nervata le nervature sono modellate con elementi tipo trave (con eventuale rigidezza torsionale) connesse alla piastra in corrispondenza dei nodi degli elementi.

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 ϕ 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 portanza totale del palo
Q_P portanza di base del palo
Q_L portanza 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 portanza alla punta η_P ed il coefficiente di sicurezza della portanza per attrito laterale η_l.

Palo compresso:

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

Palo teso:

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

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
γ è il peso specifico del terreno
D è il diametro del palo
N'_c N'_q N'_γ 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 τ_a è dato dalla nota relazione di Coulomb

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

dove:
c_a è l'adesione palo-terreno
δ è l'angolo di attrito palo-terreno
γ 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 Kg/cm^2/cm che rappresenta la pressione (in 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_{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).

Disposizione delle armature

Le armature vengono disposte secondo due direzioni, una principale ed una secondaria. Per il calcolo delle stesse si fa riferimento ai valori nodali delle sollecitazioni ottenute dall'analisi ad elementi finiti. Per la disposizione delle stesse occorre suddividere la piastra in in numero di strisce opportuno nelle due direzioni.
Il programma utilizza strisce della larghezza di circa un metro.

Dati

Materiali

Simbologia adottata

n°	Indice materiale
TC	Tipo calcestruzzo
Rck	Resistenza cubica caratteristica, espresso in [kg/cmq]
fcm	Resistenza caratteristica media (solo per verifica strutture esistenti), espressa in [kg/cmq]
γ_{cls}	Peso specifico calcestruzzo, espresso in [kN/mc]
E	Modulo elastico calcestruzzo, espresso in [kg/cmq]
ν	Coeff. di Poisson
n	Coeff. di omogeneizzazione
TA	Tipo acciaio

n°	Descrizione	TC	Rck	fcm	γ_{cls}	E	ν	n	TA
			[kg/cmq]	*[kN/mc]*	*[kg/cmq]*	*[kg/cmq]*			
1	Cls Pali	C25/30	305,91	--	24,52	320665,55	0.200	15.00	B450C
2	Piastra	C32/40	407,88	--	24,52	343054,09	0.200	15.00	B450C

Geometria

Struttura:	**Nuova**
Materiale:	Cls Pali
Piano di posa:	2,50 [m]
Aliquota costante di Winkler:	1.00 [kg/cmq/cm]
Filo fisso:	Inferiore
Disposizioni travi:	Superiore
Spessore magrone:	0,00 [m]

Coordinate contorno esterno

n°	X	Y	n°	X	Y	n°	X	Y	n°	X	Y
	[m]	*[m]*		*[m]*	*[m]*		*[m]*	*[m]*		*[m]*	*[m]*
1	25,50	11,50	2	25,43	12,87	3	25,23	14,23	4	24,90	15,56
5	24,43	16,86	6	23,85	18,10	7	23,14	19,28	8	22,32	20,38
9	21,40	21,40	10	20,38	22,32	11	19,28	23,14	12	18,10	23,85
13	16,86	24,43	14	15,56	24,90	15	14,23	25,23	16	12,87	25,43
17	11,50	25,50	18	10,13	25,43	19	8,77	25,23	20	7,44	24,90
21	6,14	24,43	22	4,90	23,85	23	3,72	23,14	24	2,62	22,32
25	1,60	21,40	26	0,68	20,38	27	-0,14	19,28	28	-0,85	18,10
29	-1,43	16,86	30	-1,90	15,56	31	-2,23	14,23	32	-2,43	12,87
33	-2,50	11,50	34	-2,43	10,13	35	-2,23	8,77	36	-1,90	7,44
37	-1,43	6,14	38	-0,85	4,90	39	-0,14	3,72	40	0,68	2,62
41	1,60	1,60	42	2,62	0,68	43	3,72	-0,14	44	4,90	-0,85
45	6,14	-1,43	46	7,44	-1,90	47	8,77	-2,23	48	10,13	-2,43
49	11,50	-2,50	50	12,87	-2,43	51	14,23	-2,23	52	15,56	-1,90
53	16,86	-1,43	54	18,10	-0,85	55	19,28	-0,14	56	20,38	0,68
57	21,40	1,60	58	22,32	2,62	59	23,14	3,72	60	23,85	4,90
61	24,43	6,14	62	24,90	7,44	63	25,23	8,77	64	25,43	10,13

Spessori piastra

Simbologia adottata

Sp	Spessore, espresso in [cm]
n°	Indice del punto
X, Y	Ascissa e ordinata del punto, espresso in [cm]

Sp	n°	X	Y	n°	X	Y	n°	X	Y	n°	X	Y
[cm]		*[m]*	*[m]*		*[m]*	*[m]*		*[m]*	*[m]*		*[m]*	*[m]*
120,00	1	-2,50	-2,50	2	25,50	-2,50	3	25,50	25,50	4	-2,50	25,50
200,00	1	10,59	2,25	2	12,41	2,25	3	14,20	2,61	4	15,88	3,31
	5	17,39	4,32	6	18,68	5,61	7	19,69	7,12	8	20,39	8,80
	9	20,75	10,59	10	20,75	12,41	11	20,39	14,20	12	19,69	15,88
	13	18,68	17,39	14	17,39	18,68	15	15,88	19,69	16	14,20	20,39
	17	12,41	20,75	18	10,59	20,75	19	8,80	20,39	20	7,12	19,69
	21	5,61	18,68	22	4,32	17,39	23	3,31	15,88	24	2,61	14,20
	25	2,25	12,41	26	2,25	10,59	27	2,61	8,80	28	3,31	7,12
	29	4,32	5,61	30	5,61	4,32	31	7,12	3,31	32	8,80	2,61
350,00	1	11,05	6,96	2	11,95	6,96	3	12,82	7,14	4	13,65	7,48
	5	14,39	7,98	6	15,02	8,61	7	15,52	9,35	8	15,86	10,18
	9	16,04	11,05	10	16,04	11,95	11	15,86	12,82	12	15,52	13,65
	13	15,02	14,39	14	14,39	15,02	15	13,65	15,52	16	12,82	15,86
	17	11,95	16,04	18	11,05	16,04	19	10,18	15,86	20	9,35	15,52
	21	8,61	15,02	22	7,98	14,39	23	7,48	13,65	24	7,14	12,82
	25	6,96	11,95	26	6,96	11,05	27	7,14	10,18	28	7,48	9,35
	29	7,98	8,61	30	8,61	7,98	31	9,35	7,48	32	10,18	7,14

Tipologie pali

Simbologia adottata

n°	Indice tipologia
Struttura	Nuova o Esistente
Geometria	Geometria tipologia (Pali in c.a o Pali in acciaio)
Armatura	Tipologia armatura per pali in c.a.
Portanza	Aliquote contributi portanza (solo Punta, solo Laterale, Entrambe)
Cpl	Coeff. riduzione portanza laterale
Vincolo	Grado di vincolo alla testa del palo (Incastro o Cerniera)
TC	Tipologia costruttiva del palo (Trivellato, Infisso, Elica continua)
Mat	Indice materiale tipologia palo
Pt	Pressione quota testa palo, espressa in [kg/cmq]

n°	Descrizione	Struttura	Geometria	Armatura	Portanza	Cpl	Vincolo	TC	Mat	Pt
										[kg/cmq]
1	Tipologia 1	Nuova	Pali circolari in c.a.	Ferri longitudinali + spirale	Entrambe	1.00	Incastro	Trivellato	1	0,00

Caratteristiche pali

Simbologia adottata

n°	Indice palo
It	Indice tipologia palo
X	Ascissa palo, espressa in [m]
Y	Ordinata palo, espressa in [m]
d	Diametro palo, espresso in [cm]
l	Lunghezza palo, espressa in [m]
nodo	Indice nodo su cui è posizionato il palo

n°	It	X	Y	D	L	Nodo
		[m]	*[m]*	*[cm]*	*[m]*	
1	1	23,00	11,50	150,00	30,00	11
2	1	22,44	15,05	150,00	30,00	49
3	1	20,80	18,26	150,00	30,00	103
4	1	18,26	20,80	150,00	30,00	177
5	1	15,05	22,44	150,00	30,00	235
6	1	11,50	23,00	150,00	30,00	288
7	1	7,95	22,44	150,00	30,00	345
8	1	4,74	20,80	150,00	30,00	402

n°	It	X	Y	D	L	Nodo
		[m]	*[m]*	*[cm]*	*[m]*	
9	1	2,20	18,26	150,00	30,00	463
10	1	0,56	15,05	150,00	30,00	492
11	1	0,00	11,50	150,00	30,00	483
12	1	0,56	7,95	150,00	30,00	454
13	1	2,20	4,74	150,00	30,00	422
14	1	4,74	2,20	150,00	30,00	342
15	1	7,95	0,56	150,00	30,00	287
16	1	11,50	0,00	150,00	30,00	226
17	1	15,05	0,56	150,00	30,00	172
18	1	18,26	2,20	150,00	30,00	115
19	1	20,80	4,74	150,00	30,00	43
20	1	22,44	7,95	150,00	30,00	7

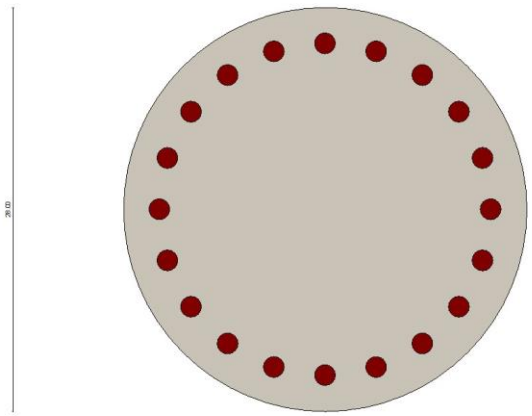

Fig. 1 - Geometria

Descrizione terreni

Caratteristiche fisico meccaniche

Simbologia adottata

Descrizione	Descrizione terreno
γ	Peso di volume del terreno espresso in [kN/mc]
γ_{sat}	Peso di volume saturo del terreno espresso in [kN/mc]
ϕ	Angolo di attrito interno del terreno espresso in gradi
δ	Angolo di attrito palo-terreno espresso in gradi
c	Coesione del terreno espressa in [kg/cmq]
ca	Adesione del terreno espressa in [kg/cmq]
τ_l	Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cmq]
α	Coeff. di espansione laterale

Descrizione	γ	γ_{sat}	Parametri	ϕ	δ	c	ca	τ_l	α
	[kN/mc]	*[kN/mc]*		*[°]*	*[°]*	*[kg/cmq]*	*[kg/cmq]*	*[kg/cmq]*	
Terreno 1	14,300	14,300	Caratteristici	27.00	18.00	0,000	0,000	1,006	1.50
			Minimi	27.00	18.00	0,000	0,000	1,006	
			Medi	27.00	18.00	0,000	0,000	1,006	
Terreno 2	18,000	19,200	Caratteristici	27.00	18.00	0,140	0,070	0,000	1.00
			Minimi	27.00	18.00	0,140	0,070	0,000	
			Medi	27.00	18.00	0,140	0,070	0,000	

Descrizione stratigrafia e falda

Simbologia adottata

N	Identificativo strato
Z1	Quota dello strato in corrispondenza del punto di sondaggio n°1 espressa in [m]
Z2	Quota dello strato in corrispondenza del punto di sondaggio n°2 espressa in [m]
Z3	Quota dello strato in corrispondenza del punto di sondaggio n°3 espressa in [m]
Terreno	Terreno associato allo strato
Ks	Coeff. di spinta per calcolo resistenza attrito laterale facce verticale fondazione
Ksp	Coeff. di spinta per calcolo portanza pali
Kw	Costante di Winkler orizzontale espressa in [Kg/cm^2/cm]
α	Coeff. di sbulbatura

	Colonna 1	Colonna 2	Colonna 3
X [m]	0,00	10,00	0,00
Y [m]	0,00	0,00	10,00

N	Z1 *[m]*	Z2 *[m]*	Z3 *[m]*	Terreno	Ks	Ksp	Kw *[Kg/cm^2/cm]*	α
1	-1,4	-1,4	-1,4	Terreno 1	0.000	0.000	0.000	1.000
2	-3,0	-3,0	-3,0	Terreno 2	0.000	2.460	1.000	1.000
3	-30,0	-30,0	-30,0	Terreno 2	0.000	0.000	0.000	1.000

Falda

Profondità dal piano campagna 10,00 [m]

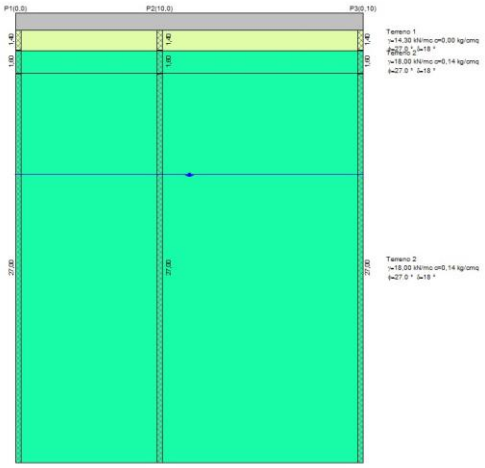

Fig. 2 - Stratigrafia

Costante di Winkler

Direzione	Simbolo	Kw *[Kg/cm^2/cm]*
Verticale	Kwv	1.500
Orizzontale	Kwo	Calcolata dal programma (Kwo=Kwv*tan(ϕ))

Convenzioni adottate

Carichi e reazioni vincolari

Fz Carico verticale positivo verso il basso

Fx Forza orizzontale in direzione X positiva nel verso delle X crescenti.

Fy Forza orizzontale in direzione Y positiva nel verso delle Y crescenti.
Mx Momento con asse vettore parallelo all'asse X positivo antiorario.
My Momento con asse vettore parallelo all'asse Y positivo antiorario.

Sollecitazioni

Mx Momento flettente X con asse vettore parallelo all'asse Y (positivo se tende le fibre inferiori).
My Momento flettente Y con asse vettore parallelo all'asse X (positivo se tende le fibre inferiori).
Mxy Momento flettente XY.

Condizioni di carico

Carichi concentrati
Simbologia adottata
Ic Indice carico
X Ascissa carico espressa in [m]
Y Ordinata carico espressa in [m]
N Carico verticale espresso in [kN]
Mx Momento intorno all'asse X espresso in [kNm]
My Momento intorno all'asse Y espresso in [kNm]
Tx Forza orizzontale in direzione X espressa in [kN]
Ty Forza orizzontale in direzione Y espressa in [kN]

Condizione n° 1 - Condizione 1 [Variabile - Ψ_0=1.00 Ψ_1=1.00 Ψ_2=1.00 - Partecipa al sisma]

Carichi concentrati

Oggetto	X	Y	N	Mx	My	Tx	Ty
	[m]	*[m]*	*[kN]*	*[kNm]*	*[kNm]*	*[kN]*	*[kN]*
Piastra	11,50	11,50	8518,000	0,000	0,000	0,000	1900,000
Piastra	11,50	14,50	41500,000	0,000	0,000	150,000	0,000
Piastra	11,50	8,50	-41500,000	0,000	0,000	-150,000	0,000

Condizione n° 2 - Condizione 2 [Variabile - Ψ_0=1.00 Ψ_1=1.00 Ψ_2=1.00 - Partecipa al sisma]

Carichi concentrati

Oggetto	X	Y	N	Mx	My	Tx	Ty
	[m]	*[m]*	*[kN]*	*[kNm]*	*[kNm]*	*[kN]*	*[kN]*
Piastra	11,50	11,50	7707,000	0,000	0,000	1320,000	0,000
Piastra	14,50	11,50	31200,000	0,000	0,000	50,000	0,000
Piastra	8,50	11,50	-31200,000	0,000	0,000	-50,000	0,000

Condizione n° 3 - Condizione 3 [Variabile - Ψ_0=1.00 Ψ_1=1.00 Ψ_2=1.00 - Partecipa al sisma]

Carichi concentrati

Oggetto	X	Y	N	Mx	My	Tx	Ty
	[m]	*[m]*	*[kN]*	*[kNm]*	*[kNm]*	*[kN]*	*[kN]*
Piastra	11,50	11,50	7545,000	0,000	0,000	1010,000	0,000
Piastra	11,50	8,50	-23350,000	0,000	0,000	-835,000	0,000
Piastra	11,50	14,50	23350,000	0,000	0,000	835,000	0,000

Peso proprio

Oggetto	Pt
	[kN]
Piastra	25754,4306

Peso terreno gravante sulla fondazione

Oggetto	Pt
	[kN]
Piastra	7883,1149

Normativa - Coefficienti di sicurezza

Coefficienti parziali per le azioni o per l'effetto delle azioni

CARICHI	EFFETTO	Coefficiente parziale	(A1) - STR
Permanenti	Favorevole	$\gamma_{G1,fav}$	1.00
Permanenti	Sfavorevole	$\gamma_{G1,sfav}$	1.30
Permanenti non strutturali	Favorevole	$\gamma_{G2,fav}$	0.80
Permanenti non strutturali	Sfavorevole	$\gamma_{G2,sfav}$	1.50
Variabili	Favorevole	$\gamma_{Qi,fav}$	0.00
Variabili	Sfavorevole	$\gamma_{Qi,sfav}$	1.50
Variabili traffico	Favorevole	$\gamma_{Q,fav}$	0.00
Variabili traffico	Sfavorevole	$\gamma_{Q,sfav}$	1.35

Coefficienti parziali per i parametri geotecnici del terreno

PARAMETRO	GRANDEZZA	Coefficiente parziale	(M1)
Tangente dell'angolo di resistenza al taglio	$\tan \phi'_k$	$\gamma_{\phi'}$	1.00
Coesione efficace	c'_k	$\gamma_{c'}$	1.00
Resistenza non drenata	c_{uk}	γ_{cu}	1.00

Coefficienti parziali γ_R da applicare alle resistenze caratteristiche(Pali trivellati)

Resistenza	γ_R	(R1)	(R2)	(R3)
Base	γ_b	1.00	1.70	1.35
Laterale in compressione	γ_s	1.00	1.45	1.15
Totale	γ_t	1.00	1.60	1.30
Laterale in trazione	γ_{st}	1.00	1.60	1.25

Coefficienti parziali γ_T per le verifiche agli stati limite ultimi di pali soggetti a carichi trasversali

γ_T	(R1)	(R2)	(R3)
γ_T	1.00	1.60	1.30

Fattori di correlazione ξ per la determinazione della resistenza caratteristica in funzione del numero di verticali indagate

Numero di verticali indagate	ξ_3	ξ_4
1	1.70	1.70

Coefficienti parziali γ_R per le verifiche agli stati limite ultimi di fondazioni superficiali

Verifica	(R3)
Capacità portante	2.30
Scorrimento	1.10
Ribaltamento	1.15

Coefficienti amplificativi γ_{Rd} in funzione della classe di duttilità

γ_{Rd}	Fondazione	Bicchieri
γ_{Rd}	1.10	1.20

Elenco combinazioni di calcolo

Numero combinazioni definite 4

Simbologia adottata
CP Coefficiente di partecipazione della condizione

Combinazione n° 1 - - STR - A1-M1-R3

Condizione	CP
Peso proprio, Peso terreno sulla piastra	1.30
Condizione 1	1.00

Combinazione n° 2 - - STR - A1-M1-R3

Condizione	CP
Peso proprio, Peso terreno sulla piastra	1.30
Condizione 2	1.00

Combinazione n° 3 - - STR - A1-M1-R3

Condizione	CP
Peso proprio, Peso terreno sulla piastra	1.30
Condizione 3	1.00

Combinazione n° 4 - - STR - A1-M1-R3

Condizione	CP
Peso proprio, Peso terreno sulla piastra	1.30

Impostazioni di analisi

Portanza fondazione superficiale

Metodo calcolo portanza	Hansen
Criterio di media calcolo strato equivalente	Ponderata
Riduzione portanza per effetto eccentricità	Meyerhof
Ripartizione sui pali con momento	Solo pali isolati o allineati
Calcolo fondazioni mista per	Carichi verticali ed orizzontali
Con interazione significativa esegui verifiche come	Fondazione mista

Verifica a scorrimento

Partecipazione spinta passiva	0.00 [%]

Portanza verticale pali

Metodo calcolo portanza	Berezantzev
Andamento pressione verticale per calcolo portanza di punta	Pressione geostatica
Andamento pressione verticale per calcolo portanza laterale	Pressione geostatica
Correzione angolo di attrito in funzione del tipo di palo (infisso, trivellato o ad elica continua)	SI
Considera coeff. di sbulbatura anche nel calcolo della portanza alla punta	NO
Applica coeff. parziale azione peso proprio palo e attrito negativo	NO

Portanza trasversale pali

Costante di Winkler variabile secondo la legge binomia $Kw=A+B*Z^n$ con A=1.00 B=1.00 n=1.00
Rottura palo-terreno

Pressione limite pari alla pressione passiva con moltiplicatore pari a 3.00

Applica coeff. parziali ξ_3 e ξ_4 (NTC 2008/2018): SI

Cedimenti

Metodo calcolo cedimenti: Elementi finiti
Spostamento limite attrito laterale 0,50 [cm]
Spostamento limite punta 1,00 [cm]

Analisi interazione fondazione-terreno

Modello	Winkler
Terreno resistente a trazione	NO
Costante di Winkler orizzontale superficiale	Imposta da Utente
Rigidezza terreno fondazione	Costante per tutte le combinazioni
Raggio di influenza	Usa tutta la fondazione
Tolleranza nella soluzione	0.0100

Opzioni calcolo cedimenti

Metodo calcolo tensioni	Boussinesq
Metodo calcolo cedimenti	Elastico
Profondità calcolo cedimenti	Automatica
ΔH suddivisione massima strati	1,00 [m]

Piastra infinitamente rigida
Fattore di rigidezza della sovrastruttura 0.00
Considera peso terreno gravante sulla piastra SI

Modello

Caratteristiche Mesh

Numero elementi	950
Numero nodi	508

Risultati Piastra

Risultati inviluppo

Spostamenti

Spostamenti massimi e minimi della piastra

Simbologia adottata
Ic Indice della combinazione
w Spostamento verticale, espresso in [cm]
u Spostamento direzione X, espresso in [cm]
v Spostamento direzione Y, espresso in [cm]
ϕx Rotazione intorno all'asse X, espressa in [°]
ϕy Rotazione intorno all'asse Y, espressa in [°]
p Pressione sul terreno (solo per calcolo fondazione), espressa in [kg/cmq]
kw Costante di Winkler (solo per calcolo fondazione), espressa in [kg/cm^2/cm]. Il valore viene stampato solo se si è utilizzato il modello di interazione
Tra parentesi l'indice del nodo in cui si sono misurati i valori massimi e minimi

In	X	Y		Valore	UM	Cmb	
	[m]	*[m]*					
248	11,18	17,41	w	0,411294	[cm]	1	MAX
289	11,50	-2,50		-0,036428		1	MIN
352	11,50	25,50	ux	0,017222	[cm]	3	MAX
170	18,10	-0,85		-0,001419		1	MIN
250	11,50	11,50	uy	0,022925	[cm]	1	MAX
10	25,43	10,13		-0,006601		3	MIN
280	10,60	12,08	ϕx	0,000308	[°]	2	MAX
75	18,04	16,02		-0,000159		1	MIN
135	15,82	18,18	ϕy	0,000139	[°]	2	MAX
240	11,87	10,42		-0,000407		1	MIN
248	11,18	17,41	p	0,616940	[kg/cmq]	1	MAX
178	17,13	-0,35		0,000113		1	MIN

Sollecitazioni

Sollecitazioni massime e minime piastra

Simbologia adottata
In Indice nodo modello
Mx Momento X espresso in [kNm]
My Momento Y espresso in [kNm]
Mxy Momento XY espresso in [kNm]
Tx Taglio X, espresso in [kN]
Ty Taglio Y, espresso in [kN]
Nx Tensione normale X espressa in [kg/cmq]
Ny Tensione normale Y espressa in [kg/cmq]
Nxy Tensione tangenziale XY espressa in [kg/cmq]

In	X	Y		Valore	UM	Cmb	
	[m]	*[m]*					
269	11,50	14,50	Mx	15797,0255	[kNm]	1	MAX
261	11,50	8,50		-10653,0460		1	MIN
269	11,50	14,50	My	17411,6581	[kNm]	1	MAX
261	11,50	8,50		-13507,4641		1	MIN
308	9,60	10,93	Mxy	2476,6912	[kNm]	1	MAX
182	13,63	10,84		-2512,2845		1	MIN
211	12,63	11,15	Nx	0,67	[kg/cmq]	2	MAX
280	10,60	12,08		-0,59		2	MIN
251	11,75	12,57	Ny	1,09	[kg/cmq]	1	MAX
240	11,87	10,42		-1,02		1	MIN
228	12,42	12,02	Nxy	0,53	[kg/cmq]	1	MAX
280	10,60	12,08		-0,48		1	MIN

Verifiche strutturali

Verifica a flessione

Simbologia adottata

Is	Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)
A_{fi}	Area di armatura lembo inferiore espressa in [cmq]
A_{fs}	Area di armatura lembo superiore espressa in [cmq]
M_u	Momento ultimo espresso in [kNm]
N_u	Sforzo normale ultimo espresso in [kN]
FS	Fattore di sicurezza

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
1-1-P	8,04	8,04	356,75	1,61	10.538
1-2-P	8,04	8,04	358,72	4,52	5.306
1-3-P	8,04	8,04	359,18	4,10	3.378
1-4-P	8,04	8,04	359,63	3,72	2.424
1-5-P	16,08	16,08	716,52	6,24	3.733
1-6-P	16,08	16,08	716,60	5,49	3.077
1-7-P	16,08	16,08	716,81	4,98	2.593
1-8-P	24,13	24,13	1073,14	6,75	3.320
1-9-P	24,13	24,13	1073,29	6,12	2.874
1-10-P	24,13	24,13	1073,54	5,70	2.521
1-11-P	32,17	32,17	1429,48	7,12	3.079
1-12-P	32,17	32,17	1429,43	6,51	2.865
1-13-P	32,17	32,17	1429,33	5,79	2.694
1-14-P	32,17	32,17	1429,24	5,09	2.539
1-15-P	32,17	32,17	1429,23	4,51	2.411
1-16-P	32,17	32,17	1429,17	4,07	2.342
1-17-P	32,17	32,17	1428,99	3,56	2.292
1-18-P	32,17	32,17	1428,77	2,96	2.232
1-19-P	40,21	40,21	1783,73	2,93	2.710
1-20-P	40,21	40,21	1783,24	1,85	2.618
1-21-P	40,21	40,21	1782,52	0,33	2.504
1-22-P	40,21	40,21	1781,63	-1,10	2.451
1-23-P	40,21	40,21	1781,04	-2,01	2.420
1-24-P	32,17	32,17	1426,02	-2,08	1.924
1-25-P	32,17	32,17	1425,68	-2,50	1.910
1-26-P	32,17	32,17	1425,40	-2,84	1.894
1-27-P	32,17	32,17	1425,07	-3,12	1.899
1-28-P	32,17	32,17	1424,57	-3,48	1.949
1-29-P	32,17	32,17	1424,04	-3,92	2.015
1-30-P	32,17	32,17	1423,52	-4,34	2.087
1-31-P	32,17	32,17	1423,06	-4,65	2.177
1-32-P	24,13	24,13	1068,46	-3,61	1.719
1-33-P	24,13	24,13	1067,93	-3,72	1.874
1-34-P	24,13	24,13	1067,33	-3,92	2.057
1-35-P	16,08	16,08	712,60	-2,76	1.524
1-36-P	16,08	16,08	712,04	-2,89	1.710
1-37-P	16,08	16,08	711,44	-3,10	1.943
1-38-P	8,04	8,04	356,68	-1,72	1.166
1-39-P	8,04	8,04	355,98	-1,80	1.543
1-40-P	8,04	8,04	355,24	-1,89	2.295
1-41-P	8,04	8,04	354,78	-1,98	4.555
2-1-P	16,08	8,04	702,83	3,74	11.271
2-2-P	8,04	8,04	358,23	1,88	2.861
2-3-P	16,08	16,08	715,14	3,73	3.996
2-4-P	16,08	16,08	716,07	3,74	3.149
2-5-P	24,13	24,13	1072,89	5,62	3.899
2-6-P	32,17	32,17	1429,72	7,49	4.433
2-7-P	32,17	32,17	1430,66	7,53	3.885
2-8-P	40,21	40,21	1787,41	9,55	4.453
2-9-P	40,21	40,21	1787,53	9,65	4.492
2-10-P	40,21	40,21	1787,52	9,62	4.570
2-11-P	40,21	40,21	1795,56	24,55	4.640
2-12-P	40,21	40,21	1793,88	21,44	4.365
2-13-P	40,21	40,21	1791,87	17,69	4.065
2-14-P	40,21	40,21	1790,11	14,42	3.802
2-15-P	40,21	40,21	1788,65	11,73	3.576

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
2-16-P	40,21	40,21	1787,52	9,63	3.389
2-17-P	40,21	40,21	1786,77	8,22	3.176
2-18-P	40,21	40,21	1786,38	7,50	3.016
2-19-P	40,21	40,21	1786,05	6,89	2.878
2-20-P	40,21	40,21	1785,73	6,30	2.748
2-21-P	40,21	40,21	1785,52	5,90	2.636
2-22-P	40,21	40,21	1786,20	7,17	2.587
2-23-P	40,21	40,21	1786,58	7,87	2.563
2-24-P	40,21	40,21	1786,50	7,73	2.550
2-25-P	40,21	40,21	1786,27	7,30	2.541
2-26-P	40,21	40,21	1785,63	6,12	2.558
2-27-P	40,21	40,21	1784,50	4,01	2.586
2-28-P	40,21	40,21	1783,40	1,97	2.535
2-29-P	40,21	40,21	1782,47	0,23	2.447
2-30-P	40,21	40,21	1781,57	-1,38	2.365
2-31-P	40,21	40,21	1780,64	-3,06	2.257
2-32-P	40,21	40,21	1779,75	-4,66	2.115
2-33-P	40,21	40,21	1779,31	-5,45	2.030
2-34-P	40,21	40,21	1779,19	-5,68	1.994
2-35-P	40,21	40,21	1779,20	-5,66	1.961
2-36-P	40,21	40,21	1779,56	-5,00	1.932
2-37-P	40,21	40,21	1780,15	-3,94	1.915
2-38-P	40,21	40,21	1780,07	-4,10	1.934
2-39-P	40,21	40,21	1779,92	-4,35	1.957
2-40-P	40,21	40,21	1779,79	-4,60	1.978
2-41-P	40,21	40,21	1779,64	-4,87	2.005
2-42-P	40,21	40,21	1779,30	-5,47	2.039
2-43-P	40,21	40,21	1778,84	-6,30	2.015
2-44-P	40,21	40,21	1778,32	-7,24	1.986
2-45-P	40,21	40,21	1777,77	-8,23	1.955
2-46-P	40,21	40,21	1777,24	-9,19	1.925
2-47-P	40,21	40,21	1776,87	-9,85	1.910
2-48-P	40,21	40,21	1776,69	-10,18	1.909
2-49-P	40,21	40,21	1776,55	-10,44	1.915
2-50-P	40,21	40,21	1776,38	-10,61	1.942
2-51-P	32,17	32,17	1421,84	-8,58	1.737
2-52-P	32,17	32,17	1420,84	-8,73	2.014
2-53-P	24,13	24,13	1066,16	-6,68	1.795
2-54-P	16,08	16,08	711,53	-4,54	1.470
2-55-P	16,08	16,08	710,57	-4,60	1.890
2-56-P	8,04	8,04	355,93	-2,34	1.374
2-57-P	16,08	8,04	698,74	-4,70	5.514
3-1-P	8,04	8,04	361,03	8,72	4.376
3-2-P	8,04	8,04	362,69	9,23	2.232
3-3-P	16,08	16,08	724,54	19,40	3.017
3-4-P	24,13	24,13	1073,75	6,39	3.507
3-5-P	32,17	32,17	1430,85	8,32	3.857
3-6-P	40,21	40,21	1787,83	10,20	4.140
3-7-P	40,21	40,21	1787,78	10,10	4.106
3-8-P	40,21	40,21	1787,73	10,01	4.073
3-9-P	40,21	40,21	1787,72	9,99	4.057
3-10-P	40,21	40,21	1787,74	10,04	4.043
3-11-P	40,21	40,21	1787,76	10,07	4.028
3-12-P	40,21	40,21	1787,77	10,08	4.010
3-13-P	40,21	40,21	1787,80	10,14	4.011
3-14-P	40,21	40,21	1787,89	10,32	4.054
3-15-P	40,21	40,21	1788,00	10,51	4.114
3-16-P	40,21	40,21	1788,02	10,55	4.275
3-17-P	40,21	40,21	1787,93	10,38	4.589
3-18-P	40,21	40,21	1792,32	18,53	4.541
3-19-P	40,21	40,21	1790,56	15,26	4.366
3-20-P	40,21	40,21	1788,77	11,95	4.163
3-21-P	40,21	40,21	1787,02	8,69	3.928
3-22-P	40,21	40,21	1785,55	5,96	3.570
3-23-P	40,21	40,21	1784,35	3,73	3.204
3-24-P	40,21	40,21	1783,36	1,89	2.894
3-25-P	40,21	40,21	1782,60	0,48	2.647
3-26-P	40,21	40,21	1782,14	-0,36	2.466

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
3-27-P	40,21	40,21	1783,08	1,37	2.388
3-28-P	40,21	40,21	1784,29	3,62	2.332
3-29-P	40,21	40,21	1785,48	5,84	2.286
3-30-P	40,21	40,21	1786,63	7,96	2.242
3-31-P	40,21	40,21	1786,35	7,45	2.265
3-32-P	40,21	40,21	1785,38	5,64	2.330
3-33-P	40,21	40,21	1784,34	3,71	2.393
3-34-P	40,21	40,21	1783,30	1,78	2.447
3-35-P	40,21	40,21	1782,41	0,13	2.454
3-36-P	40,21	40,21	1781,55	-1,43	2.290
3-37-P	40,21	40,21	1780,65	-3,05	2.109
3-38-P	40,21	40,21	1779,84	-4,51	1.941
3-39-P	40,21	40,21	1779,17	-5,71	1.789
3-40-P	40,21	40,21	1779,08	-5,87	1.698
3-41-P	40,21	40,21	1780,03	-4,16	1.688
3-42-P	40,21	40,21	1780,98	-2,46	1.676
3-43-P	40,21	40,21	1781,89	-0,82	1.662
3-44-P	40,21	40,21	1782,54	0,37	1.653
3-45-P	40,21	40,21	1782,24	-0,18	1.717
3-46-P	40,21	40,21	1781,76	-1,04	1.805
3-47-P	40,21	40,21	1781,19	-2,08	1.910
3-48-P	40,21	40,21	1780,55	-3,23	2.023
3-49-P	40,21	40,21	1779,85	-4,48	2.092
3-50-P	40,21	40,21	1779,15	-5,74	2.047
3-51-P	40,21	40,21	1778,56	-6,80	1.981
3-52-P	40,21	40,21	1778,09	-7,66	1.903
3-53-P	40,21	40,21	1777,74	-8,28	1.814
3-54-P	40,21	40,21	1777,49	-8,74	1.740
3-55-P	40,21	40,21	1777,33	-9,03	1.719
3-56-P	40,21	40,21	1777,22	-9,22	1.739
3-57-P	40,21	40,21	1777,11	-9,42	1.765
3-58-P	40,21	40,21	1776,94	-9,74	1.807
3-59-P	40,21	40,21	1776,74	-10,08	1.854
3-60-P	40,21	40,21	1776,58	-10,37	1.896
3-61-P	40,21	40,21	1776,46	-10,60	1.936
3-62-P	40,21	40,21	1776,30	-10,89	1.975
3-63-P	40,21	40,21	1776,10	-11,25	2.025
3-64-P	40,21	40,21	1775,88	-11,64	2.078
3-65-P	32,17	32,17	1421,04	-9,59	1.974
3-66-P	24,13	24,13	1066,19	-7,43	1.833
3-67-P	16,08	16,08	711,29	-5,08	1.624
3-68-P	8,04	8,04	356,28	-2,60	1.241
3-69-P	8,04	8,04	354,87	-2,64	2.515
4-1-P	16,08	16,08	717,86	11,16	6.305
4-2-P	16,08	16,08	719,78	12,00	3.184
4-3-P	24,13	24,13	1080,33	19,22	3.208
4-4-P	32,17	32,17	1441,20	27,25	3.282
4-5-P	40,21	40,21	1801,67	35,90	3.667
4-6-P	40,21	40,21	1802,35	37,16	3.680
4-7-P	40,21	40,21	1803,02	38,41	3.691
4-8-P	40,21	40,21	1803,68	39,64	3.697
4-9-P	40,21	40,21	1804,51	41,18	3.718
4-10-P	40,21	40,21	1806,22	44,36	3.829
4-11-P	40,21	40,21	1808,09	47,82	3.950
4-12-P	40,21	40,21	1788,56	11,55	4.001
4-13-P	40,21	40,21	1788,41	11,27	4.025
4-14-P	40,21	40,21	1788,26	10,99	3.977
4-15-P	40,21	40,21	1788,02	10,55	3.904
4-16-P	40,21	40,21	1787,65	9,86	3.817
4-17-P	40,21	40,21	1787,23	9,08	3.728
4-18-P	40,21	40,21	1786,71	8,12	3.634
4-19-P	40,21	40,21	1786,67	8,04	3.661
4-20-P	40,21	40,21	1786,79	8,27	3.838
4-21-P	40,21	40,21	1786,80	8,28	4.057
4-22-P	40,21	40,21	1786,66	8,03	4.329
4-23-P	40,21	40,21	1785,89	6,59	4.266
4-24-P	40,21	40,21	1784,61	4,22	4.184
4-25-P	40,21	40,21	1783,38	1,94	3.970

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
4-26-P	40,21	40,21	1782,30	-0,07	3.598
4-27-P	40,21	40,21	1781,36	-1,77	3.260
4-28-P	40,21	40,21	1780,57	-3,19	2.961
4-29-P	40,21	40,21	1779,92	-4,36	2.697
4-30-P	40,21	40,21	1779,50	-5,12	2.469
4-31-P	40,21	40,21	1780,46	-3,38	2.350
4-32-P	40,21	40,21	1781,47	-1,57	2.245
4-33-P	40,21	40,21	1782,38	0,08	2.147
4-34-P	40,21	40,21	1783,18	1,56	2.053
4-35-P	40,21	40,21	1783,93	2,96	1.971
4-36-P	40,21	40,21	1783,64	2,42	1.942
4-37-P	40,21	40,21	1783,26	1,71	1.914
4-38-P	40,21	40,21	1782,87	0,98	1.887
4-39-P	40,21	40,21	1782,49	0,28	1.861
4-40-P	40,21	40,21	1782,20	-0,26	1.792
4-41-P	40,21	40,21	1781,86	-0,87	1.697
4-42-P	40,21	40,21	1781,55	-1,43	1.611
4-43-P	40,21	40,21	1781,28	-1,90	1.533
4-44-P	40,21	40,21	1781,12	-2,19	1.466
4-45-P	40,21	40,21	1781,73	-1,10	1.453
4-46-P	40,21	40,21	1782,31	-0,05	1.440
4-47-P	40,21	40,21	1782,87	0,99	1.427
4-48-P	40,21	40,21	1783,43	2,02	1.414
4-49-P	40,21	40,21	1783,90	2,90	1.407
4-50-P	40,21	40,21	1783,61	2,36	1.473
4-51-P	40,21	40,21	1783,22	1,63	1.544
4-52-P	40,21	40,21	1782,79	0,84	1.613
4-53-P	40,21	40,21	1782,34	0,00	1.678
4-54-P	40,21	40,21	1781,85	-0,89	1.734
4-55-P	40,21	40,21	1781,35	-1,78	1.717
4-56-P	40,21	40,21	1780,90	-2,60	1.651
4-57-P	40,21	40,21	1780,47	-3,36	1.590
4-58-P	40,21	40,21	1780,20	-3,86	1.542
4-59-P	40,21	40,21	1780,08	-4,08	1.509
4-60-P	40,21	40,21	1780,10	-4,03	1.489
4-61-P	40,21	40,21	1780,01	-4,20	1.526
4-62-P	40,21	40,21	1779,46	-5,18	1.610
4-63-P	40,21	40,21	1778,98	-6,05	1.698
4-64-P	40,21	40,21	1778,53	-6,87	1.791
4-65-P	40,21	40,21	1778,18	-7,49	1.882
4-66-P	40,21	40,21	1777,85	-8,09	1.962
4-67-P	40,21	40,21	1777,29	-9,09	1.992
4-68-P	40,21	40,21	1776,74	-10,09	2.024
4-69-P	40,21	40,21	1776,19	-11,07	2.059
4-70-P	40,21	40,21	1775,64	-12,07	2.095
4-71-P	40,21	40,21	1775,53	-12,27	2.144
4-72-P	40,21	40,21	1775,41	-12,49	2.186
4-73-P	40,21	40,21	1775,24	-12,79	2.225
4-74-P	40,21	40,21	1775,06	-13,11	2.266
4-75-P	32,17	32,17	1420,58	-10,73	2.082
4-76-P	24,13	24,13	1065,46	-8,15	2.091
4-77-P	16,08	16,08	710,28	-5,49	2.133
4-78-P	8,04	8,04	355,12	-2,77	2.177
5-1-P	16,08	16,08	716,07	7,45	4.966
5-2-P	16,08	16,08	718,39	7,95	2.467
5-3-P	32,17	32,17	1435,10	16,78	3.252
5-4-P	40,21	40,21	1794,17	21,97	3.321
5-5-P	40,21	40,21	1794,61	22,79	3.293
5-6-P	40,21	40,21	1795,05	23,60	3.267
5-7-P	40,21	40,21	1795,48	24,40	3.239
5-8-P	40,21	40,21	1795,88	25,15	3.202
5-9-P	40,21	40,21	1796,35	26,02	3.176
5-10-P	40,21	40,21	1796,97	27,16	3.176
5-11-P	40,21	40,21	1797,58	28,31	3.173
5-12-P	40,21	40,21	1798,19	29,44	3.169
5-13-P	40,21	40,21	1798,89	30,74	3.172
5-14-P	40,21	40,21	1800,63	33,96	3.286
5-15-P	40,21	40,21	1802,90	38,19	3.451

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
5-16-P	40,21	40,21	1805,45	42,93	3.637
5-17-P	40,21	40,21	1807,02	45,84	3.743
5-18-P	40,21	40,21	1807,88	47,44	3.778
5-19-P	40,21	40,21	1784,69	4,37	3.608
5-20-P	40,21	40,21	1783,70	2,53	3.394
5-21-P	40,21	40,21	1782,98	1,19	3.234
5-22-P	40,21	40,21	1783,04	1,30	3.238
5-23-P	40,21	40,21	1783,36	1,89	3.326
5-24-P	40,21	40,21	1783,73	2,58	3.422
5-25-P	40,21	40,21	1784,13	3,32	3.522
5-26-P	40,21	40,21	1784,55	4,10	3.628
5-27-P	40,21	40,21	1782,34	0,00	3.584
5-28-P	40,21	40,21	1782,34	0,00	3.458
5-29-P	40,21	40,21	1782,34	0,00	3.305
5-30-P	40,21	40,21	1782,34	0,00	3.162
5-31-P	40,21	40,21	1779,42	-5,26	2.957
5-32-P	40,21	40,21	1779,22	-5,62	2.760
5-33-P	40,21	40,21	1779,24	-5,58	2.576
5-34-P	40,21	40,21	1779,71	-4,74	2.395
5-35-P	40,21	40,21	1780,13	-3,97	2.231
5-36-P	40,21	40,21	1780,61	-3,12	2.091
5-37-P	40,21	40,21	2029,16	-2,86	2.243
5-38-P	40,21	40,21	2029,84	-1,78	2.121
5-39-P	40,21	48,25	2033,95	-0,67	2.018
5-40-P	40,21	48,25	2033,93	-0,69	1.949
5-41-P	40,21	48,25	2033,94	-0,69	1.884
5-42-P	40,21	48,25	2034,10	-0,43	1.807
5-43-P	40,21	40,21	2030,91	-0,09	1.726
5-44-P	40,21	48,25	2034,51	0,22	1.655
5-45-P	40,21	48,25	2034,63	0,42	1.585
5-46-P	40,21	48,25	2034,61	0,39	1.521
5-47-P	40,21	48,25	2034,58	0,33	1.465
5-48-P	40,21	40,21	2031,61	1,06	1.444
5-49-P	40,21	40,21	2031,98	1,66	1.424
5-50-P	40,21	40,21	1783,27	1,72	1.229
5-51-P	40,21	40,21	1783,44	2,04	1.208
5-52-P	40,21	40,21	1783,54	2,23	1.185
5-53-P	40,21	40,21	1783,64	2,40	1.163
5-54-P	40,21	40,21	1783,56	2,26	1.168
5-55-P	40,21	40,21	1783,41	1,98	1.183
5-56-P	40,21	40,21	1783,30	1,78	1.197
5-57-P	40,21	40,21	1783,22	1,63	1.212
5-58-P	40,21	40,21	1783,16	1,53	1.226
5-59-P	40,21	40,21	1783,16	1,52	1.235
5-60-P	40,21	40,21	1783,41	1,99	1.242
5-61-P	40,21	40,21	1783,80	2,71	1.253
5-62-P	40,21	40,21	1784,19	3,44	1.265
5-63-P	40,21	40,21	1784,59	4,18	1.276
5-64-P	40,21	40,21	1784,97	4,88	1.288
5-65-P	40,21	40,21	1785,18	5,28	1.334
5-66-P	40,21	40,21	1784,78	4,53	1.445
5-67-P	40,21	40,21	1784,14	3,34	1.591
5-68-P	40,21	40,21	1783,31	1,80	1.778
5-69-P	40,21	40,21	1782,16	-0,33	2.029
5-70-P	40,21	40,21	1780,26	-3,75	2.174
5-71-P	40,21	40,21	1777,96	-7,89	2.028
5-72-P	40,21	40,21	1776,21	-11,04	1.917
5-73-P	40,21	40,21	1775,13	-12,99	1.891
5-74-P	40,21	40,21	1775,25	-12,77	1.938
5-75-P	40,21	40,21	1775,54	-12,24	1.987
5-76-P	40,21	40,21	1775,84	-11,71	2.040
5-77-P	40,21	40,21	1776,11	-11,23	2.092
5-78-P	40,21	40,21	1775,79	-11,81	2.168
5-79-P	40,21	40,21	1775,50	-12,33	2.249
5-80-P	40,21	40,21	1775,43	-12,44	2.323
5-81-P	40,21	40,21	1775,44	-12,42	2.400
5-82-P	40,21	40,21	1775,44	-12,42	2.483
5-83-P	32,17	32,17	1420,51	-10,01	2.508

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
5-84-P	16,08	16,08	711,32	-5,04	1.974
5-85-P	8,04	8,04	355,65	-2,54	2.072
6-1-P	24,13	24,13	1071,98	7,86	6.077
6-2-P	24,13	24,13	1074,46	8,32	3.005
6-3-P	40,21	40,21	1790,07	14,55	3.369
6-4-P	40,21	40,21	1790,29	14,77	3.251
6-5-P	40,21	40,21	1790,42	15,01	3.183
6-6-P	40,21	40,21	1790,55	15,25	3.118
6-7-P	40,21	40,21	1790,80	15,71	3.064
6-8-P	40,21	40,21	1791,19	16,44	3.024
6-9-P	40,21	40,21	1791,49	16,99	2.962
6-10-P	40,21	40,21	1791,80	17,57	2.899
6-11-P	40,21	40,21	1792,10	18,12	2.839
6-12-P	40,21	40,21	1792,39	18,67	2.782
6-13-P	40,21	40,21	1792,73	19,30	2.737
6-14-P	40,21	40,21	1793,36	20,46	2.736
6-15-P	40,21	40,21	1794,08	21,80	2.738
6-16-P	40,21	40,21	1794,87	23,26	2.739
6-17-P	40,21	40,21	1795,65	24,72	2.739
6-18-P	40,21	40,21	1796,78	26,82	2.780
6-19-P	40,21	40,21	1798,11	29,29	2.872
6-20-P	40,21	40,21	1799,48	31,83	2.991
6-21-P	40,21	40,21	1800,87	34,42	3.109
6-22-P	40,21	40,21	1783,33	1,84	3.068
6-23-P	40,21	40,21	1782,86	0,97	2.970
6-24-P	40,21	40,21	1783,12	1,44	2.945
6-25-P	40,21	40,21	1783,42	2,01	2.927
6-26-P	40,21	40,21	1783,72	2,57	2.909
6-27-P	40,21	40,21	1784,05	3,18	2.910
6-28-P	40,21	40,21	2034,09	5,12	3.344
6-29-P	40,21	48,25	2038,04	5,95	3.438
6-30-P	40,21	48,25	2283,40	0,00	3.751
6-31-P	40,21	56,30	2286,36	0,00	3.636
6-32-P	40,21	56,30	2535,71	0,00	3.910
6-33-P	40,21	56,30	2535,71	0,00	3.796
6-34-P	40,21	56,30	2785,05	0,00	4.053
6-35-P	40,21	56,30	2785,05	0,00	3.950
6-36-P	40,21	56,30	3034,38	0,00	4.217
6-37-P	40,21	48,25	3021,42	-9,67	4.005
6-38-P	40,21	56,30	3026,98	-7,85	3.705
6-39-P	40,21	48,25	3024,45	-6,46	3.458
6-40-P	40,21	48,25	3025,58	-5,24	3.240
6-41-P	40,21	48,25	3026,60	-4,17	3.042
6-42-P	40,21	40,21	3022,71	-3,22	2.830
6-43-P	40,21	40,21	3023,47	-2,40	2.626
6-44-P	40,21	40,21	3024,15	-1,68	2.454
6-45-P	40,21	40,21	3024,77	-1,02	2.323
6-46-P	40,21	40,21	3025,37	-0,38	2.226
6-47-P	40,21	40,21	3025,92	0,22	2.143
6-48-P	40,21	40,21	3026,39	0,73	2.060
6-49-P	40,21	40,21	3026,73	1,11	1.973
6-50-P	40,21	40,21	3026,98	1,39	1.885
6-51-P	40,21	48,25	3032,05	1,69	1.813
6-52-P	40,21	48,25	3032,38	2,05	1.767
6-53-P	40,21	48,25	3032,75	2,47	1.738
6-54-P	40,21	56,30	3037,01	2,88	1.713
6-55-P	40,21	48,25	3033,51	3,30	1.682
6-56-P	40,21	56,30	3037,83	3,78	1.655
6-57-P	40,21	56,30	2788,08	3,61	1.493
6-58-P	40,21	56,30	2788,64	4,28	1.494
6-59-P	40,21	56,30	2538,91	4,18	1.371
6-60-P	40,21	56,30	2539,38	4,80	1.382
6-61-P	40,21	56,30	2289,39	4,37	1.256
6-62-P	40,21	48,25	2286,71	4,82	1.264
6-63-P	40,21	48,25	2036,93	4,16	1.134
6-64-P	40,21	40,21	2033,96	4,91	1.148
6-65-P	40,21	40,21	1784,77	4,51	1.033
6-66-P	40,21	40,21	1785,20	5,31	1.071

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
6-67-P	40,21	40,21	1785,67	6,19	1.121
6-68-P	40,21	40,21	1786,19	7,15	1.175
6-69-P	40,21	40,21	1786,71	8,12	1.237
6-70-P	40,21	40,21	1786,60	7,92	1.327
6-71-P	40,21	40,21	1785,91	6,63	1.424
6-72-P	40,21	40,21	1785,01	4,97	1.513
6-73-P	40,21	40,21	1783,97	3,02	1.602
6-74-P	40,21	40,21	1782,75	0,76	1.625
6-75-P	40,21	40,21	1781,76	-1,04	1.625
6-76-P	40,21	40,21	1781,40	-1,69	1.687
6-77-P	40,21	40,21	1781,03	-2,36	1.751
6-78-P	40,21	40,21	1780,93	-2,53	1.810
6-79-P	40,21	40,21	1781,23	-2,00	1.870
6-80-P	40,21	40,21	1780,88	-2,63	1.968
6-81-P	40,21	40,21	1780,23	-3,80	2.087
6-82-P	40,21	40,21	1779,49	-5,13	2.224
6-83-P	40,21	40,21	1778,64	-6,66	2.380
6-84-P	40,21	40,21	1777,84	-8,10	2.547
6-85-P	40,21	40,21	1777,29	-9,09	2.629
6-86-P	40,21	40,21	1776,81	-9,96	2.726
6-87-P	40,21	40,21	1776,42	-10,66	2.851
6-88-P	40,21	40,21	1776,01	-11,41	2.989
6-89-P	40,21	40,21	1775,50	-12,13	3.171
6-90-P	24,13	24,13	1065,82	-7,49	2.908
6-91-P	8,04	8,04	356,09	-2,57	2.025
7-1-P	32,17	32,17	1427,11	6,59	6.634
7-2-P	32,17	32,17	1430,04	7,42	3.291
7-3-P	40,21	40,21	1787,58	9,72	3.309
7-4-P	40,21	40,21	1787,59	9,75	3.230
7-5-P	40,21	40,21	1787,61	9,78	3.156
7-6-P	40,21	40,21	1787,64	9,85	3.078
7-7-P	40,21	40,21	1787,77	10,08	2.998
7-8-P	40,21	40,21	1788,27	11,02	2.961
7-9-P	40,21	40,21	1788,88	12,15	2.938
7-10-P	40,21	40,21	1789,47	13,25	2.915
7-11-P	40,21	40,21	1790,16	14,53	2.897
7-12-P	40,21	40,21	1790,33	14,84	2.794
7-13-P	40,21	40,21	1790,34	14,86	2.674
7-14-P	40,21	40,21	1790,31	14,81	2.554
7-15-P	40,21	40,21	1790,26	14,71	2.438
7-16-P	40,21	40,21	1790,70	15,53	2.393
7-17-P	40,21	40,21	1791,53	17,07	2.397
7-18-P	40,21	40,21	1792,29	18,48	2.397
7-19-P	40,21	40,21	1793,01	19,82	2.396
7-20-P	40,21	40,21	1793,66	21,02	2.400
7-21-P	40,21	40,21	1794,20	22,03	2.409
7-22-P	40,21	40,21	1794,73	23,01	2.416
7-23-P	40,21	40,21	1795,33	24,13	2.432
7-24-P	40,21	40,21	1796,11	25,57	2.472
7-25-P	40,21	48,25	2037,17	4,54	2.817
7-26-P	40,21	48,25	2288,01	6,70	3.160
7-27-P	40,21	56,30	2542,82	9,29	3.504
7-28-P	40,21	64,34	2546,41	10,50	3.499
7-29-P	40,21	72,38	2802,07	13,93	3.835
7-30-P	40,21	72,38	3056,60	17,91	4.162
7-31-P	40,21	64,34	3055,39	19,47	4.291
7-32-P	40,21	56,30	3034,38	0,00	4.420
7-33-P	40,21	48,25	3030,51	0,00	4.275
7-34-P	40,21	40,21	3025,72	0,00	4.145
7-35-P	40,21	40,21	3025,72	0,00	4.036
7-36-P	40,21	40,21	3025,72	0,00	3.940
7-37-P	40,21	40,21	3025,72	0,00	3.860
7-38-P	40,21	40,21	3025,72	0,00	3.789
7-39-P	40,21	40,21	3025,72	0,00	3.719
7-40-P	40,21	40,21	3025,72	0,00	3.652
7-41-P	40,21	40,21	3017,95	-8,30	3.534
7-42-P	40,21	40,21	3019,69	-6,45	3.234
7-43-P	40,21	40,21	3021,20	-4,83	2.968

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
7-44-P	40,21	40,21	3022,37	-3,59	2.731
7-45-P	40,21	40,21	3023,14	-2,76	2.542
7-46-P	40,21	40,21	3023,78	-2,07	2.375
7-47-P	40,21	40,21	3024,35	-1,47	2.222
7-48-P	40,21	40,21	3024,84	-0,94	2.083
7-49-P	40,21	40,21	3025,42	-0,32	1.954
7-50-P	40,21	40,21	3026,01	0,32	1.835
7-51-P	40,21	40,21	3026,38	0,73	1.741
7-52-P	40,21	40,21	3026,61	0,98	1.667
7-53-P	40,21	40,21	3026,82	1,21	1.600
7-54-P	40,21	40,21	3027,03	1,45	1.538
7-55-P	40,21	40,21	3027,38	1,84	1.478
7-56-P	40,21	40,21	3027,83	2,33	1.434
7-57-P	40,21	40,21	3028,20	2,74	1.412
7-58-P	40,21	40,21	3028,54	3,12	1.392
7-59-P	40,21	40,21	3028,90	3,52	1.372
7-60-P	40,21	40,21	3029,25	3,91	1.353
7-61-P	40,21	40,21	3029,71	4,41	1.339
7-62-P	40,21	40,21	3030,40	5,18	1.349
7-63-P	40,21	40,21	3031,17	6,03	1.361
7-64-P	40,21	48,25	3036,85	6,98	1.374
7-65-P	40,21	56,30	3041,65	7,96	1.388
7-66-P	40,21	64,34	3045,76	8,98	1.402
7-67-P	40,21	72,38	3049,53	10,23	1.446
7-68-P	40,21	72,38	2798,61	9,83	1.378
7-69-P	40,21	64,34	2545,45	9,26	1.303
7-70-P	40,21	56,30	2543,71	10,45	1.354
7-71-P	40,21	48,25	2290,01	9,60	1.268
7-72-P	40,21	48,25	2039,70	8,65	1.177
7-73-P	40,21	40,21	1785,74	6,31	1.083
7-74-P	40,21	40,21	1785,68	6,21	1.144
7-75-P	40,21	40,21	1785,98	6,75	1.215
7-76-P	40,21	40,21	1786,49	7,70	1.297
7-77-P	40,21	40,21	1787,03	8,70	1.383
7-78-P	40,21	40,21	1787,29	9,20	1.455
7-79-P	40,21	40,21	1787,52	9,63	1.527
7-80-P	40,21	40,21	1787,86	10,25	1.611
7-81-P	40,21	40,21	1788,24	10,97	1.709
7-82-P	40,21	40,21	1788,00	10,52	1.852
7-83-P	40,21	40,21	1786,71	8,12	2.071
7-84-P	40,21	40,21	1785,30	5,49	2.337
7-85-P	40,21	40,21	1783,72	2,56	2.654
7-86-P	40,21	40,21	1788,87	12,13	2.884
7-87-P	40,21	40,21	1788,55	11,53	2.904
7-88-P	40,21	40,21	1788,22	10,92	2.929
7-89-P	40,21	40,21	1787,88	10,29	2.955
7-90-P	40,21	40,21	1787,60	9,78	2.993
7-91-P	40,21	40,21	1787,58	9,74	3.074
7-92-P	40,21	40,21	1787,62	9,80	3.152
7-93-P	40,21	40,21	1787,66	9,88	3.226
7-94-P	40,21	40,21	1787,70	9,96	3.305
7-95-P	32,17	32,17	1430,18	7,67	3.287
7-96-P	16,08	16,08	714,91	3,43	3.319
8-1-P	32,17	32,17	1425,62	3,10	5.482
8-2-P	32,17	32,17	1428,96	3,49	2.914
8-3-P	40,21	40,21	1784,77	4,51	3.363
8-4-P	40,21	40,21	1784,80	4,57	3.262
8-5-P	40,21	40,21	1784,86	4,67	3.171
8-6-P	40,21	40,21	1785,00	4,94	3.097
8-7-P	40,21	40,21	1785,20	5,31	3.008
8-8-P	40,21	40,21	1785,41	5,71	2.912
8-9-P	40,21	40,21	1785,62	6,09	2.823
8-10-P	40,21	40,21	1785,85	6,53	2.734
8-11-P	40,21	40,21	1786,41	7,56	2.658
8-12-P	40,21	40,21	1787,29	9,20	2.637
8-13-P	40,21	40,21	1788,28	11,02	2.630
8-14-P	40,21	40,21	1788,62	11,67	2.564
8-15-P	40,21	40,21	1788,61	11,65	2.457

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
8-16-P	40,21	40,21	1788,56	11,54	2.342
8-17-P	40,21	40,21	1788,47	11,38	2.224
8-18-P	40,21	40,21	1788,60	11,63	2.137
8-19-P	40,21	40,21	1788,86	12,11	2.075
8-20-P	40,21	40,21	1789,19	12,73	2.030
8-21-P	40,21	40,21	1789,60	13,48	2.002
8-22-P	40,21	40,21	1790,08	14,37	1.993
8-23-P	40,21	40,21	2042,89	19,51	2.288
8-24-P	40,21	56,30	2304,27	25,85	2.590
8-25-P	40,21	64,34	2564,03	33,40	2.886
8-26-P	40,21	72,38	2826,08	42,28	3.179
8-27-P	40,21	80,42	3090,79	52,57	3.467
8-28-P	40,21	72,38	3054,79	15,95	3.489
8-29-P	40,21	56,30	3050,72	17,90	3.480
8-30-P	40,21	48,25	3048,59	19,92	3.476
8-31-P	40,21	40,21	3045,61	22,03	3.479
8-32-P	40,21	40,21	3047,70	24,35	3.499
8-33-P	40,21	40,21	3049,60	26,45	3.590
8-34-P	40,21	40,21	3051,07	28,08	3.754
8-35-P	40,21	40,21	3025,72	0,00	3.921
8-36-P	40,21	40,21	3025,72	0,00	3.806
8-37-P	40,21	40,21	3025,72	0,00	3.697
8-38-P	40,21	40,21	3025,72	0,00	3.594
8-39-P	40,21	40,21	3025,72	0,00	3.519
8-40-P	40,21	40,21	3025,72	0,00	3.454
8-41-P	40,21	40,21	3025,72	0,00	3.392
8-42-P	40,21	40,21	3025,72	0,00	3.335
8-43-P	40,21	40,21	3025,72	0,00	3.280
8-44-P	40,21	40,21	3025,72	0,00	3.232
8-45-P	40,21	40,21	3016,03	-10,36	3.093
8-46-P	40,21	40,21	3018,41	-7,82	2.785
8-47-P	40,21	40,21	3020,39	-5,70	2.518
8-48-P	40,21	40,21	3021,94	-4,04	2.294
8-49-P	40,21	40,21	3023,06	-2,85	2.116
8-50-P	40,21	40,21	3024,08	-1,75	1.965
8-51-P	40,21	40,21	3024,96	-0,82	1.838
8-52-P	40,21	40,21	3025,72	0,00	1.707
8-53-P	40,21	40,21	3026,35	0,70	1.591
8-54-P	40,21	40,21	3026,91	1,32	1.490
8-55-P	40,21	40,21	3027,47	1,93	1.403
8-56-P	40,21	40,21	3028,02	2,55	1.334
8-57-P	40,21	40,21	3028,49	3,07	1.285
8-58-P	40,21	40,21	3028,91	3,53	1.241
8-59-P	40,21	40,21	3029,32	3,98	1.199
8-60-P	40,21	40,21	3029,74	4,45	1.167
8-61-P	40,21	40,21	3030,11	4,86	1.152
8-62-P	40,21	40,21	3030,51	5,30	1.141
8-63-P	40,21	40,21	3030,97	5,81	1.129
8-64-P	40,21	40,21	3031,44	6,34	1.117
8-65-P	40,21	40,21	3031,81	6,74	1.121
8-66-P	40,21	40,21	3032,11	7,08	1.136
8-67-P	40,21	40,21	3032,51	7,52	1.150
8-68-P	40,21	40,21	3032,99	8,05	1.165
8-69-P	40,21	40,21	3033,61	8,73	1.179
8-70-P	40,21	40,21	3034,36	9,57	1.216
8-71-P	40,21	40,21	3035,33	10,65	1.260
8-72-P	40,21	48,25	3041,44	12,03	1.307
8-73-P	40,21	56,30	3046,80	13,61	1.357
8-74-P	40,21	72,38	3054,23	15,34	1.411
8-75-P	40,21	80,42	3058,33	17,42	1.485
8-76-P	40,21	72,38	2804,60	16,91	1.449
8-77-P	40,21	64,34	2550,63	15,98	1.404
8-78-P	40,21	56,30	2296,50	14,64	1.346
8-79-P	40,21	40,21	2038,86	12,92	1.273
8-80-P	40,21	40,21	1788,23	10,93	1.189
8-81-P	40,21	40,21	1789,08	12,51	1.276
8-82-P	40,21	40,21	1790,13	14,47	1.383
8-83-P	40,21	40,21	1791,37	16,77	1.512

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
8-84-P	40,21	40,21	1792,88	19,57	1.672
8-85-P	40,21	40,21	1794,29	22,19	1.886
8-86-P	40,21	40,21	1794,35	22,31	2.221
8-87-P	40,21	40,21	1785,84	6,50	2.449
8-88-P	40,21	40,21	1786,06	6,91	2.557
8-89-P	40,21	40,21	1786,10	6,98	2.625
8-90-P	40,21	40,21	1785,75	6,34	2.632
8-91-P	40,21	40,21	1785,43	5,73	2.654
8-92-P	40,21	40,21	1785,18	5,27	2.731
8-93-P	40,21	40,21	1785,08	5,09	2.820
8-94-P	40,21	40,21	1785,00	4,94	2.908
8-95-P	40,21	40,21	1784,91	4,77	3.004
8-96-P	40,21	40,21	1784,84	4,63	3.093
8-97-P	40,21	40,21	1784,80	4,56	3.167
8-98-P	40,21	40,21	1784,79	4,55	3.258
8-99-P	40,21	40,21	1784,79	4,56	3.359
8-100-P	32,17	32,17	1429,01	3,57	2.911
8-101-P	16,08	16,08	714,77	1,59	2.745
9-1-P	40,21	40,21	1780,98	2,31	6.434
9-2-P	40,21	40,21	1783,50	2,16	3.757
9-3-P	40,21	40,21	1783,13	1,46	3.594
9-4-P	40,21	40,21	1782,80	0,86	3.448
9-5-P	40,21	40,21	1782,67	0,61	3.324
9-6-P	40,21	40,21	1782,84	0,93	3.229
9-7-P	40,21	40,21	1783,08	1,37	3.149
9-8-P	40,21	40,21	1783,30	1,79	3.074
9-9-P	40,21	40,21	1783,55	2,25	3.001
9-10-P	40,21	40,21	1783,88	2,86	2.884
9-11-P	40,21	40,21	1784,37	3,77	2.734
9-12-P	40,21	40,21	1784,88	4,72	2.578
9-13-P	40,21	40,21	1785,34	5,57	2.439
9-14-P	40,21	40,21	1785,79	6,41	2.323
9-15-P	40,21	40,21	1786,22	7,21	2.246
9-16-P	40,21	40,21	1786,36	7,47	2.169
9-17-P	40,21	40,21	1786,52	7,77	2.111
9-18-P	40,21	40,21	1786,70	8,09	2.057
9-19-P	40,21	40,21	1786,88	8,43	1.998
9-20-P	40,21	40,21	1787,08	8,81	1.928
9-21-P	40,21	40,21	1787,27	9,16	1.862
9-22-P	40,21	48,25	2041,82	12,10	2.053
9-23-P	40,21	64,34	2552,73	18,72	2.475
9-24-P	40,21	72,38	3064,87	26,90	2.871
9-25-P	40,21	80,42	3067,79	27,67	2.831
9-26-P	40,21	72,38	3067,09	29,31	2.829
9-27-P	40,21	56,30	3062,63	30,95	2.825
9-28-P	40,21	48,25	3060,08	32,56	2.822
9-29-P	40,21	40,21	3056,39	33,98	2.814
9-30-P	40,21	40,21	3057,58	35,30	2.813
9-31-P	40,21	40,21	3060,30	38,31	2.907
9-32-P	40,21	40,21	3046,10	22,58	2.981
9-33-P	40,21	40,21	3048,32	25,03	3.016
9-34-P	40,21	40,21	3050,90	27,89	3.049
9-35-P	40,21	40,21	3054,15	31,49	3.081
9-36-P	40,21	40,21	3057,57	35,28	3.172
9-37-P	40,21	40,21	3061,49	39,63	3.336
9-38-P	40,21	40,21	3025,72	0,00	3.457
9-39-P	40,21	40,21	3025,72	0,00	3.365
9-40-P	40,21	40,21	3025,72	0,00	3.279
9-41-P	40,21	40,21	3025,72	0,00	3.215
9-42-P	40,21	40,21	3025,72	0,00	3.158
9-43-P	40,21	40,21	3025,72	0,00	3.103
9-44-P	40,21	40,21	3025,72	0,00	3.050
9-45-P	40,21	40,21	3025,72	0,00	3.006
9-46-P	40,21	40,21	3025,72	0,00	2.974
9-47-P	40,21	40,21	-3086,61	67,96	2.354
9-48-P	40,21	40,21	-3078,25	58,63	1.991
9-49-P	40,21	40,21	-3072,00	51,66	1.731
9-50-P	40,21	40,21	-3068,08	47,28	1.572

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
9-51-P	40,21	40,21	-3064,65	43,45	1.439
9-52-P	40,21	40,21	-3061,94	40,42	1.335
9-53-P	40,21	40,21	-3061,57	40,01	1.335
9-54-P	40,21	40,21	-3062,77	41,35	1.412
9-55-P	40,21	40,21	3027,60	2,07	1.339
9-56-P	40,21	40,21	3028,49	3,06	1.251
9-57-P	40,21	40,21	3029,21	3,86	1.177
9-58-P	40,21	40,21	3029,94	4,67	1.111
9-59-P	40,21	40,21	3030,66	5,47	1.056
9-60-P	40,21	40,21	3031,24	6,11	1.021
9-61-P	48,25	40,21	3628,81	8,01	1.189
9-62-P	48,25	40,21	3629,43	8,71	1.157
9-63-P	48,25	40,21	3630,03	9,37	1.135
9-64-P	48,25	40,21	3630,53	9,93	1.130
9-65-P	48,25	40,21	3631,10	10,57	1.124
9-66-P	48,25	40,21	3631,74	11,28	1.118
9-67-P	48,25	40,21	3632,33	11,93	1.125
9-68-P	48,25	40,21	3632,88	12,55	1.145
9-69-P	48,25	40,21	3633,46	13,20	1.164
9-70-P	48,25	40,21	3634,08	13,89	1.182
9-71-P	40,21	40,21	3036,73	12,20	1.009
9-72-P	40,21	40,21	3037,25	12,77	1.046
9-73-P	40,21	40,21	3037,81	13,39	1.086
9-74-P	40,21	40,21	3038,48	14,14	1.129
9-75-P	40,21	40,21	3039,35	15,10	1.173
9-76-P	40,21	40,21	3040,48	16,35	1.235
9-77-P	40,21	48,25	3047,08	18,25	1.311
9-78-P	40,21	56,30	3053,24	20,66	1.392
9-79-P	40,21	72,38	3061,68	23,43	1.484
9-80-P	40,21	80,42	3066,76	26,56	1.588
9-81-P	40,21	72,38	3067,81	30,10	1.712
9-82-P	40,21	64,34	2556,89	24,12	1.567
9-83-P	40,21	48,25	2045,44	17,97	1.386
9-84-P	40,21	40,21	1791,02	16,13	1.348
9-85-P	40,21	40,21	1792,57	18,99	1.515
9-86-P	40,21	40,21	1794,54	22,66	1.728
9-87-P	40,21	40,21	1795,39	24,24	1.962
9-88-P	40,21	40,21	1783,85	2,80	2.108
9-89-P	40,21	40,21	1783,88	2,86	2.166
9-90-P	40,21	40,21	1783,91	2,92	2.242
9-91-P	40,21	40,21	1783,74	2,61	2.320
9-92-P	40,21	40,21	1783,50	2,15	2.434
9-93-P	40,21	40,21	1783,24	1,66	2.573
9-94-P	40,21	40,21	1782,95	1,13	2.729
9-95-P	40,21	40,21	1782,67	0,61	2.878
9-96-P	40,21	40,21	1782,48	0,27	2.994
9-97-P	40,21	40,21	1782,40	0,11	3.068
9-98-P	40,21	40,21	1782,37	0,05	3.143
9-99-P	40,21	40,21	1782,34	-0,01	3.223
9-100-P	40,21	40,21	1782,36	0,04	3.319
9-101-P	40,21	40,21	1782,57	0,43	3.443
9-102-P	40,21	40,21	1782,94	1,11	3.589
9-103-P	40,21	40,21	1783,35	1,88	3.752
9-104-P	24,13	24,13	1070,16	1,21	3.861
10-1-P	40,21	40,21	1781,06	1,47	6.222
10-2-P	40,21	40,21	1783,01	1,24	4.243
10-3-P	40,21	40,21	1782,78	0,81	4.099
10-4-P	40,21	40,21	1782,55	0,39	3.965
10-5-P	40,21	40,21	1782,31	-0,05	3.832
10-6-P	40,21	40,21	1782,24	-0,19	3.740
10-7-P	40,21	40,21	1782,35	0,02	3.661
10-8-P	40,21	40,21	1782,44	0,18	3.580
10-9-P	40,21	40,21	1782,51	0,32	3.502
10-10-P	40,21	40,21	1782,57	0,42	3.437
10-11-P	40,21	40,21	1782,95	1,14	3.183
10-12-P	40,21	40,21	1783,49	2,13	2.857
10-13-P	40,21	40,21	1783,96	3,01	2.620
10-14-P	40,21	40,21	1784,42	3,87	2.449

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
10-15-P	40,21	40,21	1784,88	4,71	2.324
10-16-P	40,21	40,21	1785,13	5,17	2.198
10-17-P	40,21	40,21	1785,27	5,44	2.078
10-18-P	40,21	40,21	1785,39	5,67	1.968
10-19-P	40,21	40,21	1785,51	5,88	1.873
10-20-P	40,21	40,21	1785,63	6,10	1.796
10-21-P	40,21	48,25	2290,31	10,04	2.218
10-22-P	40,21	64,34	2800,65	15,08	2.609
10-23-P	40,21	80,42	3058,84	17,98	2.752
10-24-P	40,21	80,42	3058,63	17,75	2.660
10-25-P	40,21	72,38	3056,24	17,53	2.571
10-26-P	40,21	56,30	3050,16	17,29	2.486
10-27-P	40,21	40,21	3041,11	17,05	2.403
10-28-P	40,21	40,21	3041,40	17,37	2.356
10-29-P	40,21	40,21	3042,10	18,15	2.342
10-30-P	40,21	40,21	3042,94	19,08	2.339
10-31-P	40,21	40,21	3043,78	20,01	2.337
10-32-P	40,21	40,21	3044,62	20,94	2.334
10-33-P	40,21	40,21	3045,59	22,01	2.333
10-34-P	40,21	40,21	3047,68	24,33	2.394
10-35-P	40,21	40,21	3051,00	28,01	2.514
10-36-P	40,21	40,21	3051,98	29,09	2.559
10-37-P	40,21	40,21	3055,99	33,53	2.574
10-38-P	40,21	40,21	3060,62	38,67	2.595
10-39-P	40,21	40,21	3066,29	44,95	2.699
10-40-P	40,21	40,21	3073,13	52,53	2.827
10-41-P	40,21	40,21	3080,80	61,03	2.966
10-42-P	40,21	40,21	3025,72	0,00	3.033
10-43-P	40,21	40,21	3025,72	0,00	2.977
10-44-P	40,21	40,21	3025,72	0,00	2.923
10-45-P	40,21	40,21	3025,72	0,00	2.872
10-46-P	40,21	40,21	3247,85	0,00	3.036
10-47-P	40,21	40,21	3470,01	0,00	3.204
10-48-P	40,21	48,25	3697,72	0,00	3.374
10-49-P	40,21	48,25	-4834,06	128,93	2.953
10-50-P	40,21	56,30	-5750,64	120,27	2.617
10-51-P	40,21	56,30	-5887,02	101,59	2.139
10-52-P	40,21	48,25	-5182,21	77,77	1.600
10-53-P	40,21	48,25	-5167,59	66,02	1.425
10-54-P	40,21	40,21	-4316,44	52,69	1.166
10-55-P	40,21	48,25	-5163,08	62,40	1.423
10-56-P	40,21	48,25	-5165,82	64,60	1.599
10-57-P	40,21	56,30	4151,96	3,52	1.514
10-58-P	40,21	56,30	4042,55	5,21	1.367
10-59-P	40,21	48,25	3927,86	6,59	1.239
10-60-P	40,21	48,25	3706,26	7,74	1.110
10-61-P	56,30	40,21	4846,49	11,93	1.388
10-62-P	56,30	40,21	4536,24	12,36	1.248
10-63-P	56,30	40,21	4225,81	12,56	1.134
10-64-P	56,30	40,21	4227,34	14,27	1.111
10-65-P	56,30	40,21	4228,66	15,75	1.089
10-66-P	56,30	40,21	4229,79	17,02	1.087
10-67-P	56,30	40,21	4230,63	17,95	1.088
10-68-P	56,30	40,21	4231,31	18,72	1.086
10-69-P	56,30	40,21	4231,96	19,45	1.103
10-70-P	56,30	40,21	4232,66	20,22	1.127
10-71-P	56,30	40,21	4233,45	21,11	1.150
10-72-P	56,30	40,21	4234,30	22,06	1.174
10-73-P	56,30	40,21	4235,08	22,94	1.225
10-74-P	56,30	40,21	4235,95	23,91	1.278
10-75-P	56,30	40,21	4236,93	25,01	1.331
10-76-P	56,30	40,21	4238,02	26,22	1.386
10-77-P	40,21	40,21	3043,46	19,65	1.050
10-78-P	40,21	40,21	3044,27	20,55	1.115
10-79-P	40,21	40,21	3045,19	21,57	1.189
10-80-P	40,21	40,21	3046,54	23,07	1.269
10-81-P	40,21	40,21	3048,39	25,11	1.356
10-82-P	40,21	56,30	3059,94	28,00	1.467

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
10-83-P	40,21	72,38	3069,08	31,47	1.600
10-84-P	40,21	80,42	3075,09	35,57	1.756
10-85-P	40,21	80,42	3079,66	40,53	1.944
10-86-P	40,21	64,34	2821,14	39,37	1.989
10-87-P	40,21	48,25	2304,73	30,96	1.829
10-88-P	40,21	40,21	1793,58	20,87	1.594
10-89-P	40,21	40,21	1794,87	23,28	1.806
10-90-P	40,21	40,21	1782,99	1,21	1.971
10-91-P	40,21	40,21	1782,86	0,96	2.078
10-92-P	40,21	40,21	1782,71	0,68	2.196
10-93-P	40,21	40,21	1782,50	0,30	2.319
10-94-P	40,21	40,21	1782,18	-0,29	2.444
10-95-P	40,21	40,21	1781,85	-0,88	2.614
10-96-P	40,21	40,21	1781,52	-1,48	2.850
10-97-P	40,21	40,21	1781,17	-2,11	3.175
10-98-P	40,21	40,21	1781,00	-2,42	3.428
10-99-P	40,21	40,21	1781,16	-2,13	3.494
10-100-P	40,21	40,21	1781,31	-1,85	3.573
10-101-P	40,21	40,21	1781,47	-1,58	3.656
10-102-P	40,21	40,21	1781,61	-1,31	3.735
10-103-P	40,21	40,21	1781,84	-0,89	3.827
10-104-P	40,21	40,21	1782,14	-0,37	3.960
10-105-P	40,21	40,21	1782,42	0,15	4.094
10-106-P	40,21	40,21	1782,72	0,70	4.237
10-107-P	24,13	24,13	1070,63	0,60	3.736
11-1-P	40,21	40,21	1781,97	-0,55	5.099
11-2-P	40,21	40,21	1781,84	-0,90	4.806
11-3-P	40,21	40,21	1781,64	-1,27	4.592
11-4-P	40,21	40,21	1781,43	-1,63	4.408
11-5-P	40,21	40,21	1781,24	-1,98	4.251
11-6-P	40,21	40,21	1781,17	-2,10	4.158
11-7-P	40,21	40,21	1781,28	-1,91	4.142
11-8-P	40,21	40,21	1781,38	-1,72	4.129
11-9-P	40,21	40,21	1781,49	-1,54	4.121
11-10-P	40,21	40,21	1781,59	-1,35	4.101
11-11-P	40,21	40,21	1781,83	-0,91	3.981
11-12-P	40,21	40,21	1782,53	0,36	3.583
11-13-P	40,21	40,21	1783,15	1,51	3.191
11-14-P	40,21	40,21	1783,65	2,43	2.859
11-15-P	40,21	40,21	1784,03	3,14	2.581
11-16-P	40,21	40,21	1784,12	3,30	2.343
11-17-P	40,21	40,21	1784,13	3,33	2.162
11-18-P	40,21	40,21	1784,23	3,50	2.028
11-19-P	40,21	40,21	1784,37	3,77	1.925
11-20-P	40,21	40,21	2034,06	5,06	2.087
11-21-P	40,21	64,34	2795,87	9,41	2.717
11-22-P	40,21	80,42	3052,13	10,71	2.801
11-23-P	40,21	80,42	3051,50	10,03	2.652
11-24-P	40,21	80,42	3051,00	9,49	2.523
11-25-P	40,21	56,30	3042,79	9,21	2.417
11-26-P	40,21	40,21	3033,93	9,10	2.331
11-27-P	40,21	40,21	3033,88	9,04	2.258
11-28-P	40,21	40,21	3033,76	8,91	2.185
11-29-P	40,21	40,21	3033,67	8,81	2.118
11-30-P	40,21	40,21	3033,59	8,71	2.056
11-31-P	40,21	40,21	3033,71	8,85	2.010
11-32-P	40,21	40,21	3034,17	9,36	1.982
11-33-P	40,21	40,21	3034,94	10,22	1.967
11-34-P	40,21	40,21	3035,74	11,09	1.953
11-35-P	40,21	40,21	3036,52	11,96	1.939
11-36-P	40,21	40,21	3037,57	13,12	1.934
11-37-P	40,21	40,21	3039,45	15,21	1.966
11-38-P	40,21	40,21	3041,85	17,86	2.016
11-39-P	40,21	40,21	-2970,15	-59,70	2.011
11-40-P	40,21	40,21	-2973,59	-56,00	1.972
11-41-P	40,21	64,34	3077,94	44,08	2.187
11-42-P	40,21	64,34	3553,73	67,30	2.596
11-43-P	40,21	80,42	4180,17	106,01	3.143

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
11-44-P	40,21	96,51	4722,24	159,94	3.778
11-45-P	64,34	112,59	7894,03	0,00	7.205
11-46-P	64,34	120,64	8433,78	0,00	7.564
11-47-P	64,34	112,59	8607,20	0,00	7.610
11-48-P	64,34	96,51	8595,36	0,00	7.502
11-49-P	64,34	88,47	8588,31	0,00	7.409
11-50-P	64,34	72,38	-10385,26	489,76	7.019
11-51-P	64,34	64,34	-9035,33	300,87	3.965
11-52-P	64,34	64,34	-8902,65	216,69	2.729
11-53-P	64,34	64,34	-8768,33	131,47	1.765
11-54-P	64,34	64,34	-8705,89	91,86	1.345
11-55-P	64,34	64,34	-8670,46	69,37	1.122
11-56-P	64,34	64,34	-8672,96	70,96	1.310
11-57-P	64,34	64,34	-8679,63	75,19	1.663
11-58-P	64,34	64,34	-8696,91	86,16	2.433
11-59-P	64,34	64,34	8579,75	11,75	2.446
11-60-P	64,34	72,38	8595,74	15,32	2.278
11-61-P	64,34	88,47	8619,54	19,47	2.147
11-62-P	64,34	96,51	8635,54	24,97	2.048
11-63-P	64,34	112,59	8657,48	31,07	1.966
11-64-P	64,34	120,64	8493,30	36,33	1.876
11-65-P	64,34	112,59	7950,24	37,80	1.717
11-66-P	64,34	96,51	7219,50	36,13	1.525
11-67-P	64,34	80,42	6487,37	33,69	1.362
11-68-P	64,34	64,34	5573,43	28,69	1.176
11-69-P	64,34	64,34	4856,41	24,59	1.029
11-70-P	64,34	40,21	4829,01	27,36	1.048
11-71-P	64,34	40,21	4831,10	29,71	1.079
11-72-P	64,34	40,21	4832,39	31,16	1.107
11-73-P	64,34	40,21	4833,35	32,23	1.153
11-74-P	64,34	40,21	4834,43	33,45	1.212
11-75-P	64,34	40,21	4835,64	34,82	1.270
11-76-P	64,34	40,21	4836,96	36,30	1.329
11-77-P	64,34	40,21	4838,22	37,71	1.413
11-78-P	64,34	40,21	4839,61	39,28	1.511
11-79-P	40,21	40,21	3049,08	25,88	1.016
11-80-P	40,21	40,21	3050,24	27,17	1.080
11-81-P	40,21	40,21	3051,39	28,44	1.158
11-82-P	40,21	40,21	3052,53	29,70	1.255
11-83-P	40,21	40,21	3053,94	31,27	1.369
11-84-P	40,21	40,21	3056,26	33,84	1.496
11-85-P	40,21	56,30	3068,94	37,86	1.639
11-86-P	40,21	80,42	3081,75	42,79	1.810
11-87-P	40,21	80,42	3087,12	48,60	2.017
11-88-P	40,21	80,42	3093,82	55,86	2.279
11-89-P	40,21	64,34	2834,34	55,02	2.391
11-90-P	40,21	40,21	2052,14	34,62	1.988
11-91-P	40,21	40,21	1782,18	-0,29	1.939
11-92-P	40,21	40,21	1781,99	-0,63	2.039
11-93-P	40,21	40,21	1781,83	-0,91	2.170
11-94-P	40,21	40,21	1781,72	-1,11	2.344
11-95-P	40,21	40,21	1781,58	-1,38	2.576
11-96-P	40,21	40,21	1781,25	-1,96	2.853
11-97-P	40,21	40,21	1780,85	-2,69	3.185
11-98-P	40,21	40,21	1780,36	-3,56	3.575
11-99-P	40,21	40,21	-1797,93	29,18	3.397
11-100-P	40,21	40,21	-1795,88	25,34	3.576
11-101-P	40,21	40,21	1780,03	-4,15	4.113
11-102-P	40,21	40,21	1780,22	-3,83	4.122
11-103-P	40,21	40,21	1780,40	-3,50	4.135
11-104-P	40,21	40,21	1780,59	-3,16	4.152
11-105-P	40,21	40,21	1780,81	-2,76	4.245
11-106-P	40,21	40,21	1781,04	-2,34	4.402
11-107-P	40,21	40,21	1781,29	-1,90	4.586
11-108-P	40,21	40,21	1781,53	-1,45	4.799
11-109-P	40,21	40,21	1781,71	-1,02	5.092
12-1-P	40,21	40,21	1780,68	-2,99	6.020
12-2-P	40,21	40,21	1780,46	-3,38	5.748

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
12-3-P	40,21	40,21	1780,34	-3,60	5.491
12-4-P	40,21	40,21	1780,31	-3,66	5.251
12-5-P	40,21	40,21	1780,31	-3,65	5.025
12-6-P	40,21	40,21	1780,31	-3,67	4.810
12-7-P	40,21	40,21	1780,30	-3,67	4.615
12-8-P	40,21	40,21	1780,33	-3,62	4.468
12-9-P	40,21	40,21	1780,39	-3,50	4.364
12-10-P	40,21	40,21	1780,65	-3,05	4.254
12-11-P	40,21	40,21	1781,29	-1,90	3.985
12-12-P	40,21	40,21	1781,94	-0,72	3.696
12-13-P	40,21	40,21	1782,51	0,32	3.446
12-14-P	40,21	40,21	1783,02	1,26	3.206
12-15-P	40,21	40,21	1783,36	1,89	2.930
12-16-P	40,21	40,21	1783,41	1,99	2.654
12-17-P	40,21	40,21	1783,44	2,05	2.417
12-18-P	40,21	40,21	1783,47	2,10	2.214
12-19-P	40,21	40,21	1783,49	2,13	2.038
12-20-P	40,21	64,34	2792,12	4,96	2.969
12-21-P	40,21	80,42	3047,32	5,50	3.040
12-22-P	40,21	80,42	3046,96	5,12	2.870
12-23-P	40,21	80,42	3046,77	4,91	2.725
12-24-P	40,21	56,30	3038,75	4,78	2.592
12-25-P	40,21	40,21	3029,92	4,65	2.469
12-26-P	40,21	40,21	3029,57	4,26	2.347
12-27-P	40,21	40,21	3029,09	3,74	2.227
12-28-P	40,21	40,21	3028,77	3,38	2.127
12-29-P	40,21	40,21	3028,64	3,23	2.047
12-30-P	40,21	40,21	3028,63	3,22	1.980
12-31-P	40,21	40,21	3028,66	3,26	1.914
12-32-P	40,21	40,21	3028,68	3,28	1.851
12-33-P	40,21	40,21	3028,70	3,30	1.792
12-34-P	40,21	40,21	3028,87	3,48	1.744
12-35-P	40,21	40,21	3029,26	3,91	1.704
12-36-P	40,21	40,21	3029,95	4,68	1.674
12-37-P	40,21	56,30	3039,42	5,52	1.654
12-38-P	40,21	56,30	3040,04	6,19	1.624
12-39-P	40,21	56,30	3041,07	7,32	1.608
12-40-P	40,21	64,34	3990,21	14,03	2.110
12-41-P	56,30	88,47	6794,84	34,38	3.596
12-42-P	56,30	112,59	7625,09	51,28	4.081
12-43-P	56,30	112,59	7646,60	64,13	4.296
12-44-P	56,30	104,55	7665,11	77,88	4.577
12-45-P	56,30	80,42	7807,87	180,57	4.897
12-46-P	56,30	56,30	-7210,30	-168,80	3.958
12-47-P	56,30	56,30	-7178,28	-187,85	4.537
12-48-P	56,30	56,30	-7120,13	-222,43	5.470
12-49-P	56,30	56,30	7494,05	0,00	6.247
12-50-P	56,30	56,30	7494,05	0,00	6.188
12-51-P	56,30	56,30	7494,05	0,00	6.132
12-52-P	56,30	56,30	-8027,84	338,83	4.540
12-53-P	56,30	56,30	-7794,24	190,41	2.429
12-54-P	56,30	56,30	-7676,67	115,71	1.519
12-55-P	56,30	56,30	-7621,50	80,66	1.158
12-56-P	56,30	56,30	-7602,48	68,58	1.210
12-57-P	56,30	56,30	-7592,75	62,39	1.441
12-58-P	56,30	56,30	-7591,92	61,87	2.023
12-59-P	56,30	56,30	7537,45	27,39	1.945
12-60-P	56,30	56,30	7545,27	32,32	1.785
12-61-P	56,30	56,30	7552,51	36,89	1.654
12-62-P	56,30	56,30	7558,43	40,63	1.549
12-63-P	56,30	56,30	7560,37	41,85	1.462
12-64-P	56,30	56,30	7562,51	43,20	1.402
12-65-P	56,30	56,30	7565,32	44,98	1.348
12-66-P	56,30	80,42	7594,05	47,17	1.317
12-67-P	56,30	104,55	7618,67	50,09	1.314
12-68-P	56,30	112,59	7630,88	54,74	1.313
12-69-P	56,30	112,59	7641,11	60,85	1.319
12-70-P	56,30	88,47	6825,35	55,50	1.208

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
12-71-P	56,30	64,34	5593,49	42,32	1.022
12-72-P	72,38	56,30	5451,03	36,19	1.036
12-73-P	72,38	56,30	5456,08	41,81	1.106
12-74-P	72,38	56,30	5459,91	46,08	1.177
12-75-P	72,38	40,21	5434,43	48,04	1.239
12-76-P	56,30	40,21	4249,33	38,88	1.037
12-77-P	56,30	40,21	4250,64	40,35	1.116
12-78-P	56,30	40,21	4252,16	42,05	1.193
12-79-P	56,30	40,21	4253,73	43,81	1.279
12-80-P	56,30	40,21	4255,20	45,46	1.384
12-81-P	40,21	40,21	3056,33	33,91	1.080
12-82-P	40,21	40,21	3057,73	35,46	1.167
12-83-P	40,21	40,21	3059,36	37,27	1.266
12-84-P	40,21	40,21	3061,07	39,16	1.383
12-85-P	40,21	40,21	3062,81	41,09	1.524
12-86-P	40,21	40,21	3065,56	44,14	1.687
12-87-P	40,21	56,30	3079,72	49,68	1.871
12-88-P	40,21	80,42	3094,49	56,58	2.098
12-89-P	40,21	80,42	3102,40	65,14	2.379
12-90-P	40,21	80,42	3112,56	76,14	2.745
12-91-P	40,21	64,34	2852,27	76,29	2.951
12-92-P	40,21	40,21	1781,63	-1,27	2.063
12-93-P	40,21	40,21	1781,54	-1,43	2.234
12-94-P	40,21	40,21	1781,44	-1,62	2.431
12-95-P	40,21	40,21	1781,32	-1,84	2.661
12-96-P	40,21	40,21	1781,18	-2,08	2.928
12-97-P	40,21	40,21	1780,90	-2,60	3.201
12-98-P	40,21	40,21	1780,53	-3,27	3.441
12-99-P	40,21	40,21	1780,12	-3,99	3.690
12-100-P	40,21	40,21	1779,67	-4,81	3.978
12-101-P	40,21	40,21	1779,28	-5,52	4.246
12-102-P	40,21	40,21	1779,26	-5,55	4.357
12-103-P	40,21	40,21	1779,39	-5,31	4.461
12-104-P	40,21	40,21	1779,54	-5,04	4.608
12-105-P	40,21	40,21	1779,71	-4,74	4.802
12-106-P	40,21	40,21	1779,85	-4,49	5.017
12-107-P	40,21	40,21	1779,90	-4,40	5.242
12-108-P	40,21	40,21	1779,98	-4,26	5.483
12-109-P	40,21	40,21	1780,15	-3,95	5.740
12-110-P	40,21	40,21	1780,41	-3,47	6.012
13-1-P	40,21	40,21	1782,00	-0,62	7.300
13-2-P	40,21	40,21	1781,61	-1,31	7.015
13-3-P	40,21	40,21	1781,20	-2,05	6.751
13-4-P	40,21	40,21	1780,83	-2,72	6.516
13-5-P	40,21	40,21	1780,48	-3,35	6.293
13-6-P	40,21	40,21	1780,11	-4,02	6.010
13-7-P	40,21	40,21	1779,87	-4,46	5.745
13-8-P	40,21	40,21	1779,73	-4,71	5.496
13-9-P	40,21	40,21	1779,90	-4,40	5.238
13-10-P	40,21	40,21	1780,81	-2,77	4.844
13-11-P	40,21	40,21	1781,73	-1,10	4.475
13-12-P	40,21	40,21	1782,50	0,30	4.158
13-13-P	40,21	40,21	1783,10	1,42	3.878
13-14-P	40,21	40,21	1783,36	1,89	3.590
13-15-P	40,21	40,21	1783,32	1,81	3.297
13-16-P	40,21	40,21	1783,25	1,69	3.037
13-17-P	40,21	40,21	1783,21	1,62	2.802
13-18-P	40,21	40,21	1783,23	1,65	2.578
13-19-P	40,21	40,21	1783,28	1,75	2.367
13-20-P	40,21	80,42	3046,42	4,53	3.723
13-21-P	40,21	80,42	3045,73	3,78	3.452
13-22-P	40,21	80,42	3045,13	3,14	3.219
13-23-P	40,21	80,42	3044,63	2,59	3.020
13-24-P	40,21	40,21	3027,64	2,12	2.832
13-25-P	40,21	40,21	3027,36	1,81	2.678
13-26-P	40,21	40,21	3027,06	1,48	2.526
13-27-P	40,21	40,21	3026,81	1,21	2.394
13-28-P	40,21	40,21	3026,65	1,02	2.281

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
13-29-P	40,21	40,21	3026,51	0,87	2.181
13-30-P	40,21	40,21	3026,27	0,61	2.074
13-31-P	40,21	40,21	3026,03	0,34	1.973
13-32-P	40,21	40,21	3025,89	0,19	1.887
13-33-P	40,21	40,21	3025,90	0,19	1.816
13-34-P	40,21	40,21	3025,93	0,23	1.744
13-35-P	40,21	40,21	3026,01	0,31	1.681
13-36-P	40,21	56,30	3034,80	0,46	1.630
13-37-P	40,21	56,30	3034,83	0,49	1.573
13-38-P	40,21	56,30	3035,06	0,74	1.528
13-39-P	40,21	88,47	4453,12	1,46	2.185
13-40-P	56,30	112,59	7543,26	2,39	3.589
13-41-P	56,30	112,59	7540,94	1,00	3.492
13-42-P	56,30	112,59	7539,11	-0,09	3.456
13-43-P	56,30	88,47	-11359,74	-207,66	3.058
13-44-P	56,30	56,30	-7261,41	-138,39	1.935
13-45-P	56,30	56,30	-7227,20	-158,74	2.132
13-46-P	56,30	56,30	-7171,63	-191,80	2.443
13-47-P	56,30	56,30	-7080,77	-245,85	2.949
13-48-P	56,30	56,30	-6966,92	-313,58	3.678
13-49-P	56,30	56,30	7542,47	30,56	4.571
13-50-P	56,30	56,30	7355,25	-84,27	4.797
13-51-P	56,30	56,30	7313,56	-109,59	4.987
13-52-P	56,30	56,30	7261,19	-141,38	5.545
13-53-P	56,30	56,30	6849,44	-391,37	4.593
13-54-P	56,30	56,30	7068,10	-258,62	3.605
13-55-P	56,30	56,30	7337,32	-95,16	2.964
13-56-P	56,30	56,30	7519,37	15,98	2.545
13-57-P	56,30	56,30	7606,83	71,17	2.233
13-58-P	56,30	56,30	7635,02	88,96	2.000
13-59-P	56,30	56,30	7640,85	92,64	1.825
13-60-P	56,30	56,30	7645,70	95,70	1.683
13-61-P	56,30	56,30	7652,50	100,00	1.563
13-62-P	56,30	56,30	7643,19	94,12	1.441
13-63-P	56,30	56,30	7629,05	85,20	1.323
13-64-P	56,30	56,30	7622,83	81,27	1.227
13-65-P	56,30	56,30	7618,34	78,44	1.148
13-66-P	56,30	56,30	7610,43	73,45	1.087
13-67-P	56,30	56,30	7604,26	69,55	1.047
13-68-P	56,30	56,30	7600,48	67,16	1.017
13-69-P	56,30	88,47	7632,57	67,10	1.039
13-70-P	56,30	112,59	7654,05	68,58	1.087
13-71-P	56,30	112,59	7660,92	72,68	1.137
13-72-P	56,30	112,59	7678,86	83,41	1.220
13-73-P	56,30	88,47	6304,30	66,86	1.088
13-74-P	72,38	56,30	5459,14	45,22	1.022
13-75-P	72,38	56,30	5465,82	52,67	1.117
13-76-P	72,38	56,30	5471,87	59,41	1.223
13-77-P	56,30	40,21	4257,60	48,14	1.024
13-78-P	56,30	40,21	4259,00	49,71	1.109
13-79-P	56,30	40,21	4260,39	51,26	1.208
13-80-P	56,30	40,21	4262,09	53,17	1.304
13-81-P	40,21	40,21	3061,54	39,68	1.015
13-82-P	40,21	40,21	3062,86	41,15	1.108
13-83-P	40,21	40,21	3064,22	42,65	1.210
13-84-P	40,21	40,21	3065,80	44,40	1.315
13-85-P	40,21	40,21	3067,68	46,49	1.441
13-86-P	40,21	40,21	3069,96	49,02	1.594
13-87-P	40,21	40,21	3072,63	51,97	1.781
13-88-P	40,21	40,21	3077,59	57,47	1.985
13-89-P	40,21	80,42	3102,68	65,45	2.243
13-90-P	40,21	80,42	3111,47	74,97	2.556
13-91-P	40,21	80,42	3123,12	87,58	2.970
13-92-P	40,21	80,42	3139,26	105,06	3.545
13-93-P	40,21	40,21	1781,89	-0,81	2.405
13-94-P	40,21	40,21	1781,81	-0,96	2.613
13-95-P	40,21	40,21	1781,76	-1,05	2.832
13-96-P	40,21	40,21	1781,76	-1,04	3.059

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
13-97-P	40,21	40,21	1781,79	-0,99	3.310
13-98-P	40,21	40,21	1781,81	-0,96	3.592
13-99-P	40,21	40,21	1781,63	-1,27	3.873
13-100-P	40,21	40,21	1781,20	-2,05	4.153
13-101-P	40,21	40,21	1780,59	-3,15	4.469
13-102-P	40,21	40,21	1779,80	-4,58	4.835
13-103-P	40,21	40,21	1779,04	-5,95	5.226
13-104-P	40,21	40,21	1778,98	-6,05	5.484
13-105-P	40,21	40,21	1779,22	-5,62	5.733
13-106-P	40,21	40,21	1779,56	-5,01	6.000
13-107-P	40,21	40,21	1780,01	-4,21	6.285
13-108-P	40,21	40,21	1780,38	-3,53	6.508
13-109-P	40,21	40,21	1780,77	-2,82	6.743
13-110-P	40,21	40,21	1781,21	-2,03	7.007
13-111-P	40,21	40,21	1781,63	-1,29	7.291
14-1-P	48,25	48,25	-2137,47	0,33	10.946
14-2-P	48,25	48,25	-2137,45	0,30	10.189
14-3-P	48,25	48,25	-2137,44	0,27	9.513
14-4-P	48,25	48,25	-2137,34	0,09	8.916
14-5-P	48,25	48,25	-2137,17	-0,22	8.198
14-6-P	48,25	48,25	-2136,96	-0,60	6.824
14-7-P	48,25	48,25	-2136,76	-0,96	5.853
14-8-P	48,25	48,25	-2136,60	-1,25	5.110
14-9-P	48,25	48,25	-2136,45	-1,52	4.552
14-10-P	48,25	48,25	-2136,83	-0,83	4.321
14-11-P	48,25	48,25	-2137,47	0,33	4.372
14-12-P	48,25	48,25	-2137,84	1,03	4.636
14-13-P	48,25	48,25	-2137,99	1,31	5.184
14-14-P	48,25	48,25	2138,08	1,46	5.656
14-15-P	48,25	48,25	2138,06	1,42	5.093
14-16-P	48,25	48,25	2138,04	1,38	4.591
14-17-P	48,25	48,25	2138,00	1,32	4.161
14-18-P	48,25	48,25	2137,96	1,25	3.792
14-19-P	48,25	48,25	2137,92	1,16	3.474
14-20-P	48,25	96,51	3653,01	2,84	5.440
14-21-P	48,25	96,51	3652,58	2,37	5.021
14-22-P	48,25	96,51	3652,16	1,92	4.662
14-23-P	48,25	96,51	3651,75	1,48	4.352
14-24-P	48,25	48,25	3629,33	1,02	4.059
14-25-P	48,25	48,25	3629,01	0,66	3.795
14-26-P	48,25	48,25	3628,77	0,40	3.552
14-27-P	48,25	48,25	3628,61	0,22	3.344
14-28-P	48,25	48,25	3628,51	0,12	3.164
14-29-P	48,25	48,25	3628,46	0,06	3.002
14-30-P	48,25	48,25	3628,40	-0,01	2.836
14-31-P	48,25	48,25	3628,35	-0,07	2.690
14-32-P	48,25	48,25	3628,32	-0,09	2.564
14-33-P	48,25	48,25	3628,31	-0,11	2.443
14-34-P	48,25	48,25	3628,29	-0,13	2.324
14-35-P	48,25	56,30	3633,86	-0,12	2.225
14-36-P	48,25	56,30	3633,88	-0,10	2.132
14-37-P	48,25	56,30	-4143,55	-86,47	1.898
14-38-P	48,25	96,51	5337,87	0,14	2.901
14-39-P	64,34	112,59	8604,82	-1,42	4.482
14-40-P	64,34	112,59	-14388,52	-281,88	4.116
14-41-P	64,34	112,59	-14469,01	-231,87	3.406
14-42-P	64,34	80,42	-10429,33	-146,00	1.913
14-43-P	64,34	56,30	-7341,94	-95,73	1.133
14-44-P	64,34	56,30	-7347,27	-92,57	1.003
14-45-P	64,34	56,30	-7297,73	-121,97	1.178
14-46-P	64,34	56,30	-7218,97	-168,71	1.475
14-47-P	64,34	56,30	-7086,17	-247,50	1.988
14-48-P	64,34	56,30	-6814,25	-408,86	3.058
14-49-P	64,34	56,30	8504,06	-27,69	3.785
14-50-P	64,34	56,30	7955,53	-361,86	3.650
14-51-P	64,34	56,30	7911,89	-388,45	3.531
14-52-P	64,34	56,30	7873,36	-411,92	3.419
14-53-P	64,34	56,30	7855,11	-423,04	3.303

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
14-54-P	64,34	56,30	8121,05	-261,03	3.033
14-55-P	64,34	56,30	8278,31	-165,22	2.597
14-56-P	64,34	56,30	8552,23	1,72	2.226
14-57-P	64,34	56,30	8738,38	119,59	2.048
14-58-P	64,34	56,30	8889,88	215,51	2.025
14-59-P	64,34	56,30	9017,36	296,23	1.995
14-60-P	64,34	56,30	9103,67	350,89	1.936
14-61-P	64,34	56,30	9080,53	336,23	1.797
14-62-P	64,34	56,30	8967,37	264,58	1.597
14-63-P	64,34	56,30	8871,85	204,10	1.433
14-64-P	64,34	56,30	8796,88	156,63	1.304
14-65-P	64,34	56,30	8745,99	124,40	1.123
14-66-P	88,47	56,30	11912,96	138,96	1.323
14-67-P	88,47	56,30	11876,32	115,53	1.172
14-68-P	88,47	56,30	11847,53	97,12	1.062
14-69-P	88,47	56,30	11855,71	102,35	1.165
14-70-P	88,47	80,42	11926,26	111,81	1.330
14-71-P	88,47	112,59	12001,25	126,87	1.581
14-72-P	88,47	112,59	12032,85	146,53	1.800
14-73-P	88,47	112,59	12065,76	167,00	2.002
14-74-P	88,47	96,51	9900,69	131,74	1.838
14-75-P	88,47	56,30	6657,97	69,00	1.350
14-76-P	64,34	56,30	4878,21	57,89	1.085
14-77-P	64,34	56,30	4882,63	62,78	1.184
14-78-P	64,34	48,25	4874,10	64,49	1.280
14-79-P	48,25	48,25	3673,52	49,91	1.051
14-80-P	48,25	48,25	3674,77	51,30	1.142
14-81-P	48,25	48,25	3676,26	52,94	1.237
14-82-P	48,25	48,25	3677,91	54,77	1.349
14-83-P	48,25	48,25	3679,71	56,77	1.482
14-84-P	48,25	48,25	3681,85	59,13	1.617
14-85-P	48,25	48,25	3684,14	61,67	1.770
14-86-P	48,25	48,25	3686,60	64,39	1.953
14-87-P	48,25	48,25	3689,45	67,54	2.177
14-88-P	48,25	48,25	3694,53	73,16	2.441
14-89-P	48,25	96,51	3727,68	83,43	2.765
14-90-P	48,25	96,51	3739,19	95,85	3.159
14-91-P	48,25	96,51	3754,32	112,17	3.680
14-92-P	48,25	96,51	3775,15	134,66	4.403
14-93-P	48,25	48,25	2168,22	57,36	3.116
14-94-P	48,25	48,25	2137,13	-0,29	3.858
14-95-P	48,25	48,25	2137,13	-0,29	4.215
14-96-P	48,25	48,25	2137,15	-0,26	4.631
14-97-P	48,25	48,25	2137,19	-0,18	5.115
14-98-P	48,25	48,25	2137,24	-0,09	5.662
14-99-P	48,25	48,25	-2137,26	-0,05	5.171
14-100-P	48,25	48,25	-2137,22	-0,13	4.626
14-101-P	48,25	48,25	-2136,96	-0,59	4.363
14-102-P	48,25	48,25	-2136,49	-1,45	4.315
14-103-P	48,25	48,25	-2158,25	39,15	4.459
14-104-P	48,25	48,25	-2136,36	-1,68	5.103
14-105-P	48,25	48,25	-2136,51	-1,41	5.844
14-106-P	48,25	48,25	-2136,70	-1,07	6.812
14-107-P	48,25	48,25	-2136,90	-0,71	8.182
14-108-P	48,25	48,25	-2137,07	-0,41	8.899
14-109-P	48,25	48,25	-2137,17	-0,22	9.496
14-110-P	48,25	48,25	-2137,19	-0,18	10.173
14-111-P	48,25	48,25	-2137,22	-0,13	10.930
15-1-P	40,21	40,21	-1782,23	-0,21	8.257
15-2-P	40,21	40,21	-1782,24	-0,18	7.458
15-3-P	40,21	40,21	-1782,26	-0,15	6.827
15-4-P	40,21	40,21	-1782,33	-0,02	6.321
15-5-P	40,21	40,21	-1782,45	0,20	5.812
15-6-P	40,21	40,21	-1782,60	0,48	4.951
15-7-P	40,21	40,21	-1782,75	0,76	4.336
15-8-P	40,21	40,21	-1782,87	1,00	3.855
15-9-P	40,21	40,21	-1782,99	1,22	3.489
15-10-P	40,21	40,21	-1782,72	0,71	3.370

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
15-11-P	40,21	40,21	-1782,24	-0,19	3.460
15-12-P	40,21	40,21	-1781,94	-0,73	3.719
15-13-P	40,21	40,21	-1781,82	-0,94	4.226
15-14-P	40,21	40,21	-1781,74	-1,09	4.855
15-15-P	40,21	40,21	-1781,63	-1,29	5.324
15-16-P	40,21	40,21	1781,53	-1,47	5.640
15-17-P	40,21	40,21	1781,57	-1,38	5.044
15-18-P	40,21	40,21	1781,63	-1,28	4.527
15-19-P	40,21	40,21	1781,69	-1,17	4.078
15-20-P	40,21	80,42	3039,41	-2,98	6.251
15-21-P	40,21	80,42	3039,79	-2,57	5.685
15-22-P	40,21	80,42	3040,22	-2,12	5.226
15-23-P	40,21	80,42	3040,69	-1,62	4.848
15-24-P	40,21	40,21	3024,71	-1,08	4.508
15-25-P	40,21	40,21	3025,10	-0,66	4.196
15-26-P	40,21	40,21	3025,41	-0,34	3.900
15-27-P	40,21	40,21	3025,63	-0,10	3.645
15-28-P	40,21	40,21	3025,81	0,10	3.437
15-29-P	40,21	40,21	3025,96	0,26	3.256
15-30-P	40,21	40,21	3026,14	0,47	3.064
15-31-P	40,21	40,21	-2917,93	-115,79	2.875
15-32-P	40,21	40,21	-2924,93	-108,27	2.570
15-33-P	40,21	40,21	-2932,12	-100,55	2.274
15-34-P	40,21	64,34	3038,49	1,04	2.478
15-35-P	40,21	64,34	3038,51	1,07	2.355
15-36-P	40,21	64,34	3038,53	1,09	2.237
15-37-P	40,21	64,34	3038,54	1,10	2.121
15-38-P	64,34	104,55	-11859,94	-303,71	4.755
15-39-P	64,34	128,68	7971,58	-378,55	5.315
15-40-P	64,34	128,68	-16387,02	-327,86	4.687
15-41-P	64,34	128,68	-16479,13	-270,28	3.866
15-42-P	64,34	96,51	-12472,00	-178,35	2.273
15-43-P	64,34	64,34	-8379,59	-110,74	1.277
15-44-P	64,34	64,34	-8384,47	-107,76	1.137
15-45-P	64,34	64,34	-8330,10	-140,93	1.327
15-46-P	64,34	64,34	-8244,06	-193,19	1.649
15-47-P	64,34	64,34	-8083,89	-288,36	2.267
15-48-P	64,34	64,34	8603,34	26,62	3.015
15-49-P	64,34	64,34	8571,82	6,75	2.719
15-50-P	64,34	64,34	8544,81	-9,90	2.475
15-51-P	64,34	64,34	8523,39	-22,91	2.282
15-52-P	64,34	64,34	8514,36	-28,39	2.149
15-53-P	64,34	64,34	8512,73	-29,38	1.971
15-54-P	64,34	64,34	8517,30	-26,61	1.817
15-55-P	64,34	64,34	8520,13	-24,89	1.690
15-56-P	64,34	64,34	8521,57	-24,01	1.584
15-57-P	64,34	64,34	8532,18	-17,57	1.608
15-58-P	64,34	64,34	8552,71	-5,11	1.760
15-59-P	64,34	64,34	8573,96	8,10	1.947
15-60-P	64,34	64,34	9177,08	388,31	1.925
15-61-P	64,34	64,34	9064,06	317,06	1.742
15-62-P	64,34	64,34	8958,22	250,34	1.583
15-63-P	64,34	64,34	8873,07	196,66	1.447
15-64-P	64,34	64,34	8814,53	159,75	1.324
15-65-P	64,34	64,34	8765,93	129,11	1.124
15-66-P	88,47	64,34	11941,61	143,86	1.334
15-67-P	88,47	64,34	11900,22	117,52	1.178
15-68-P	88,47	64,34	11868,79	97,53	1.070
15-69-P	88,47	64,34	11876,84	102,65	1.175
15-70-P	88,47	96,51	11954,04	111,63	1.337
15-71-P	88,47	128,68	12019,27	126,50	1.585
15-72-P	88,47	128,68	12051,21	146,26	1.803
15-73-P	88,47	128,68	12085,13	167,25	2.010
15-74-P	88,47	104,55	10709,62	142,82	1.995
15-75-P	88,47	64,34	6673,25	68,91	1.353
15-76-P	64,34	64,34	4886,26	57,51	1.083
15-77-P	64,34	64,34	4890,47	62,16	1.179
15-78-P	64,34	64,34	4892,23	64,10	1.279

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
15-79-P	64,34	40,21	4863,13	65,74	1.389
15-80-P	64,34	40,21	4865,05	67,90	1.513
15-81-P	40,21	40,21	3065,56	44,14	1.032
15-82-P	40,21	40,21	3066,82	45,53	1.124
15-83-P	40,21	40,21	3068,16	47,02	1.233
15-84-P	40,21	40,21	3069,77	48,80	1.343
15-85-P	40,21	40,21	3071,65	50,88	1.470
15-86-P	40,21	40,21	3073,87	53,34	1.624
15-87-P	40,21	40,21	3076,55	56,32	1.813
15-88-P	40,21	40,21	3080,89	61,12	2.037
15-89-P	40,21	80,42	3106,47	69,55	2.304
15-90-P	40,21	80,42	3115,91	79,78	2.630
15-91-P	40,21	80,42	3128,35	93,24	3.062
15-92-P	40,21	80,42	3145,50	111,81	3.660
15-93-P	40,21	40,21	1807,99	47,64	2.591
15-94-P	40,21	40,21	1815,76	62,06	3.260
15-95-P	40,21	40,21	1828,26	85,28	4.381
15-96-P	40,21	40,21	-1782,44	0,19	5.628
15-97-P	40,21	40,21	-1782,36	0,05	5.265
15-98-P	40,21	40,21	-1782,30	-0,07	4.834
15-99-P	40,21	40,21	-1782,30	-0,08	4.217
15-100-P	40,21	40,21	-1782,35	0,01	3.712
15-101-P	40,21	40,21	-1782,55	0,40	3.454
15-102-P	40,21	40,21	-1782,91	1,07	3.364
15-103-P	40,21	40,21	-1783,11	1,43	3.483
15-104-P	40,21	40,21	-1782,99	1,22	3.850
15-105-P	40,21	40,21	-1782,87	1,00	4.330
15-106-P	40,21	40,21	-1782,73	0,73	4.946
15-107-P	40,21	40,21	-1782,59	0,46	5.809
15-108-P	40,21	40,21	-1782,47	0,25	6.318
15-109-P	40,21	40,21	-1782,40	0,12	6.824
15-110-P	40,21	40,21	-1782,39	0,09	7.454
15-111-P	40,21	40,21	-1782,37	0,06	8.252
16-1-P	40,21	40,21	-1782,71	0,70	7.913
16-2-P	40,21	40,21	-1783,07	1,37	7.176
16-3-P	40,21	40,21	-1783,42	2,03	6.577
16-4-P	40,21	40,21	-1783,71	2,57	6.074
16-5-P	40,21	40,21	-1783,96	3,03	5.631
16-6-P	40,21	40,21	-1784,19	3,46	5.121
16-7-P	40,21	40,21	-1784,32	3,70	4.708
16-8-P	40,21	40,21	-1784,37	3,79	4.367
16-9-P	40,21	40,21	-1784,22	3,51	4.117
16-10-P	40,21	40,21	-1783,62	2,40	4.095
16-11-P	40,21	40,21	-1782,92	1,09	4.122
16-12-P	40,21	40,21	-1782,23	-0,21	4.178
16-13-P	40,21	40,21	-1781,53	-1,46	4.278
16-14-P	40,21	40,21	-1781,10	-2,25	4.509
16-15-P	40,21	40,21	-1780,93	-2,55	4.911
16-16-P	40,21	40,21	-1780,78	-2,83	5.389
16-17-P	40,21	40,21	-1780,56	-3,23	5.968
16-18-P	40,21	40,21	-1780,10	-4,06	6.776
16-19-P	40,21	40,21	1779,83	-4,52	6.490
16-20-P	40,21	80,42	3031,25	-11,56	10.045
16-21-P	40,21	80,42	3033,33	-9,38	9.047
16-22-P	40,21	80,42	3035,02	-7,59	8.205
16-23-P	40,21	80,42	2843,79	-206,34	7.418
16-24-P	40,21	40,21	2857,07	-180,21	6.472
16-25-P	40,21	40,21	2873,41	-162,76	5.745
16-26-P	40,21	40,21	-2884,93	-151,24	5.069
16-27-P	40,21	40,21	-2896,32	-138,99	4.445
16-28-P	40,21	40,21	-2905,25	-129,41	3.956
16-29-P	40,21	40,21	-2912,44	-121,68	3.564
16-30-P	40,21	40,21	-2920,56	-112,96	3.149
16-31-P	40,21	40,21	-2928,29	-104,66	2.777
16-32-P	40,21	40,21	-2934,89	-97,57	2.479
16-33-P	40,21	40,21	-2940,52	-91,52	2.232
16-34-P	40,21	40,21	-2946,73	-84,85	1.962
16-35-P	40,21	40,21	-2951,91	-79,29	1.745

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
16-36-P	40,21	56,30	-4119,29	-103,40	2.195
16-37-P	40,21	56,30	-4132,89	-88,65	1.919
16-38-P	40,21	56,30	-4146,38	-74,00	1.685
16-39-P	40,21	88,47	4156,53	-208,93	2.798
16-40-P	56,30	112,59	6894,41	-378,47	4.369
16-41-P	56,30	112,59	6953,87	-343,58	4.146
16-42-P	56,30	112,59	6984,96	-325,33	3.876
16-43-P	56,30	88,47	-11347,80	-215,04	3.037
16-44-P	56,30	56,30	-7253,98	-142,82	1.939
16-45-P	56,30	56,30	-7218,62	-163,85	2.148
16-46-P	56,30	56,30	-7164,61	-195,98	2.444
16-47-P	56,30	56,30	7490,36	-2,24	2.332
16-48-P	56,30	56,30	7478,37	-9,52	2.048
16-49-P	56,30	56,30	7467,03	-16,41	1.830
16-50-P	56,30	56,30	7453,39	-24,69	1.671
16-51-P	56,30	56,30	7435,05	-35,82	1.503
16-52-P	56,30	56,30	7417,96	-46,20	1.314
16-53-P	56,30	56,30	7404,43	-54,42	1.161
16-54-P	56,30	56,30	7397,89	-58,38	1.065
16-55-P	56,30	56,30	7403,07	-55,24	1.034
16-56-P	56,30	56,30	7412,18	-49,71	1.035
16-57-P	56,30	56,30	7425,64	-41,54	1.048
16-58-P	56,30	56,30	7441,81	-31,72	1.096
16-59-P	56,30	56,30	7458,30	-21,71	1.186
16-60-P	56,30	56,30	7476,93	-10,40	1.311
16-61-P	56,30	56,30	7496,80	1,73	1.487
16-62-P	56,30	56,30	7644,97	95,25	1.443
16-63-P	56,30	56,30	7636,11	89,65	1.328
16-64-P	56,30	56,30	7629,33	85,37	1.231
16-65-P	56,30	56,30	7622,69	81,18	1.151
16-66-P	56,30	56,30	7612,10	74,50	1.087
16-67-P	56,30	56,30	7604,73	69,85	1.043
16-68-P	56,30	56,30	7600,40	67,12	1.014
16-69-P	56,30	88,47	7632,09	66,80	1.040
16-70-P	56,30	112,59	7653,54	68,28	1.087
16-71-P	56,30	112,59	7660,92	72,69	1.137
16-72-P	56,30	112,59	7679,39	83,72	1.224
16-73-P	56,30	88,47	6304,89	67,29	1.095
16-74-P	72,38	56,30	5459,19	45,28	1.027
16-75-P	72,38	56,30	5465,25	52,03	1.113
16-76-P	72,38	56,30	5470,94	58,37	1.214
16-77-P	56,30	40,21	4256,79	47,24	1.019
16-78-P	56,30	40,21	4258,42	49,06	1.106
16-79-P	56,30	40,21	4260,08	50,92	1.204
16-80-P	56,30	40,21	4261,66	52,68	1.298
16-81-P	40,21	40,21	3061,04	39,13	1.010
16-82-P	40,21	40,21	3062,34	40,57	1.105
16-83-P	40,21	40,21	3063,86	42,25	1.209
16-84-P	40,21	40,21	3065,55	44,13	1.314
16-85-P	40,21	40,21	3067,46	46,25	1.438
16-86-P	40,21	40,21	3069,64	48,66	1.589
16-87-P	40,21	40,21	3072,17	51,47	1.774
16-88-P	40,21	40,21	3077,00	56,81	1.975
16-89-P	40,21	80,42	3101,85	64,55	2.228
16-90-P	40,21	80,42	3110,57	73,99	2.538
16-91-P	40,21	80,42	3122,11	86,49	2.948
16-92-P	40,21	80,42	3138,12	103,82	3.517
16-93-P	40,21	40,21	1806,06	44,05	2.475
16-94-P	40,21	40,21	1812,46	55,95	3.138
16-95-P	40,21	40,21	1822,49	74,57	4.211
16-96-P	40,21	40,21	-1783,26	1,73	5.276
16-97-P	40,21	40,21	-1783,07	1,37	4.850
16-98-P	40,21	40,21	-1782,93	1,10	4.487
16-99-P	40,21	40,21	-1783,04	1,30	4.273
16-100-P	40,21	40,21	-1783,40	1,98	4.173
16-101-P	40,21	40,21	-1783,85	2,83	4.117
16-102-P	40,21	40,21	-1784,37	3,81	4.089
16-103-P	40,21	40,21	-1784,81	4,63	4.110

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
16-104-P	40,21	40,21	-1784,88	4,76	4.359
16-105-P	40,21	40,21	-1784,78	4,56	4.700
16-106-P	40,21	40,21	-1784,60	4,23	5.114
16-107-P	40,21	40,21	-1784,33	3,73	5.627
16-108-P	40,21	40,21	-1784,08	3,26	6.070
16-109-P	40,21	40,21	-1783,79	2,72	6.573
16-110-P	40,21	40,21	-1783,44	2,05	7.172
16-111-P	40,21	40,21	-1783,07	1,37	7.910
17-1-P	40,21	40,21	-1784,39	3,83	7.691
17-2-P	40,21	40,21	-1784,56	4,16	7.047
17-3-P	40,21	40,21	-1784,63	4,29	6.533
17-4-P	40,21	40,21	-1784,62	4,27	6.116
17-5-P	40,21	40,21	-1784,58	4,19	5.753
17-6-P	40,21	40,21	-1784,50	4,04	5.277
17-7-P	40,21	40,21	-1784,40	3,85	4.813
17-8-P	40,21	40,21	-1784,22	3,53	4.323
17-9-P	40,21	40,21	-1784,00	3,12	3.848
17-10-P	40,21	40,21	-1783,68	2,51	3.474
17-11-P	40,21	40,21	-1783,25	1,70	3.503
17-12-P	40,21	40,21	-1782,74	0,75	3.656
17-13-P	40,21	40,21	-1782,17	-0,31	3.803
17-14-P	40,21	40,21	-1781,49	-1,53	4.050
17-15-P	40,21	40,21	-1780,70	-2,96	4.710
17-16-P	40,21	40,21	-1780,16	-3,95	5.402
17-17-P	40,21	40,21	-1779,48	-5,17	6.269
17-18-P	40,21	40,21	-1718,67	-115,32	6.855
17-19-P	40,21	40,21	-1724,64	-104,51	6.235
17-20-P	40,21	64,34	2787,94	0,00	10.620
17-21-P	40,21	80,42	3042,24	0,00	9.954
17-22-P	40,21	80,42	3042,24	0,00	8.739
17-23-P	40,21	80,42	3042,24	0,00	7.797
17-24-P	40,21	56,30	3034,38	0,00	7.021
17-25-P	40,21	40,21	-2900,65	-134,35	5.185
17-26-P	40,21	40,21	-2911,08	-123,15	4.617
17-27-P	40,21	40,21	-2918,94	-114,71	4.094
17-28-P	40,21	40,21	-2925,69	-107,45	3.683
17-29-P	40,21	40,21	-2931,67	-101,02	3.347
17-30-P	40,21	40,21	-2937,07	-95,22	3.046
17-31-P	40,21	40,21	-2943,00	-88,86	2.710
17-32-P	40,21	40,21	-2948,09	-83,39	2.432
17-33-P	40,21	40,21	-2952,14	-79,04	2.231
17-34-P	40,21	40,21	-2955,90	-75,00	2.052
17-35-P	40,21	40,21	-2959,92	-70,68	1.851
17-36-P	40,21	40,21	-2963,23	-67,13	1.687
17-37-P	40,21	72,38	2916,44	-130,43	2.182
17-38-P	40,21	72,38	2922,95	-123,57	2.037
17-39-P	40,21	72,38	3031,16	-9,44	1.885
17-40-P	40,21	88,47	3916,78	-16,57	2.204
17-41-P	72,38	120,64	8603,83	-48,63	4.398
17-42-P	72,38	144,76	9584,44	-64,45	4.447
17-43-P	72,38	144,76	9579,20	-67,53	3.973
17-44-P	72,38	128,68	9570,10	-68,54	3.566
17-45-P	72,38	96,51	9544,60	-68,34	3.204
17-46-P	72,38	72,38	9509,97	-71,83	2.827
17-47-P	72,38	72,38	9504,15	-75,37	2.518
17-48-P	72,38	72,38	9500,25	-77,73	2.254
17-49-P	72,38	72,38	9490,02	-83,94	1.984
17-50-P	72,38	72,38	9477,43	-91,59	1.744
17-51-P	72,38	72,38	9467,92	-97,37	1.549
17-52-P	72,38	72,38	9472,27	-94,73	1.333
17-53-P	72,38	72,38	9498,80	-78,61	1.083
17-54-P	96,51	96,51	12696,05	-81,83	1.176
17-55-P	96,51	96,51	12719,92	-67,35	1.054
17-56-P	96,51	96,51	12734,25	-58,65	1.085
17-57-P	96,51	72,38	12697,28	-51,45	1.192
17-58-P	72,38	72,38	9572,48	-33,87	1.068
17-59-P	72,38	72,38	9581,73	-28,25	1.329
17-60-P	72,38	72,38	9594,09	-20,75	1.553

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
17-61-P	72,38	72,38	9606,50	-13,21	1.780
17-62-P	72,38	72,38	9712,48	53,03	1.997
17-63-P	72,38	72,38	9715,25	54,78	1.888
17-64-P	72,38	72,38	9718,52	56,83	1.805
17-65-P	72,38	72,38	9722,68	59,46	1.731
17-66-P	72,38	96,51	9757,79	62,17	1.694
17-67-P	72,38	128,68	9792,03	66,14	1.691
17-68-P	72,38	144,76	9816,06	72,62	1.693
17-69-P	72,38	144,76	9829,68	80,75	1.704
17-70-P	72,38	120,64	8783,44	73,37	1.564
17-71-P	72,38	88,47	7114,79	54,97	1.309
17-72-P	72,38	72,38	5470,65	36,74	1.047
17-73-P	72,38	72,38	5475,12	41,67	1.105
17-74-P	72,38	72,38	5478,78	45,69	1.178
17-75-P	72,38	40,21	5433,80	47,34	1.240
17-76-P	72,38	40,21	5435,45	49,19	1.322
17-77-P	72,38	40,21	5437,12	51,09	1.418
17-78-P	72,38	40,21	5438,77	52,95	1.519
17-79-P	72,38	40,21	5440,57	55,00	1.634
17-80-P	72,38	40,21	5442,68	57,37	1.769
17-81-P	40,21	40,21	3056,17	33,73	1.077
17-82-P	40,21	40,21	3057,53	35,24	1.162
17-83-P	40,21	40,21	3058,97	36,83	1.259
17-84-P	40,21	40,21	3060,52	38,56	1.377
17-85-P	40,21	40,21	3062,27	40,50	1.522
17-86-P	40,21	40,21	3065,23	43,77	1.684
17-87-P	40,21	56,30	3079,29	49,20	1.865
17-88-P	40,21	80,42	3093,90	55,94	2.087
17-89-P	40,21	80,42	3101,59	64,27	2.362
17-90-P	40,21	80,42	3111,47	74,97	2.720
17-91-P	40,21	64,34	2851,24	75,06	2.921
17-92-P	40,21	40,21	1802,29	37,06	2.198
17-93-P	40,21	40,21	1807,08	45,95	2.713
17-94-P	40,21	40,21	1814,81	60,30	3.545
17-95-P	40,21	40,21	1829,37	87,35	5.111
17-96-P	40,21	40,21	-1784,10	3,29	4.703
17-97-P	40,21	40,21	-1784,07	3,23	4.053
17-98-P	40,21	40,21	-1784,24	3,56	3.805
17-99-P	40,21	40,21	-1784,43	3,92	3.657
17-100-P	40,21	40,21	-1784,59	4,20	3.504
17-101-P	40,21	40,21	-1784,74	4,49	3.475
17-102-P	40,21	40,21	-1784,95	4,88	3.849
17-103-P	40,21	40,21	-1785,08	5,12	4.324
17-104-P	40,21	40,21	-1785,14	5,24	4.813
17-105-P	40,21	40,21	-1785,11	5,19	5.275
17-106-P	40,21	40,21	-1785,08	5,13	5.749
17-107-P	40,21	40,21	-1785,08	5,12	6.112
17-108-P	40,21	40,21	-1785,04	5,06	6.529
17-109-P	40,21	40,21	-1784,93	4,84	7.044
17-110-P	40,21	40,21	-1784,71	4,43	7.690
18-1-P	40,21	40,21	-1782,73	0,84	7.960
18-2-P	40,21	40,21	-1783,06	1,35	7.280
18-3-P	40,21	40,21	-1783,32	1,84	6.726
18-4-P	40,21	40,21	-1783,56	2,29	6.228
18-5-P	40,21	40,21	-1783,77	2,68	5.779
18-6-P	40,21	40,21	-1783,68	2,52	5.006
18-7-P	40,21	40,21	-1783,34	1,87	4.065
18-8-P	40,21	40,21	-1783,10	1,43	3.433
18-9-P	40,21	40,21	-1782,93	1,10	2.974
18-10-P	40,21	40,21	-1782,80	0,87	2.645
18-11-P	40,21	40,21	-1782,65	0,57	2.503
18-12-P	40,21	40,21	-1782,19	-0,28	2.738
18-13-P	40,21	40,21	-1781,51	-1,51	3.176
18-14-P	40,21	40,21	-1780,54	-3,27	3.838
18-15-P	40,21	40,21	-1779,08	-5,90	4.830
18-16-P	40,21	40,21	-1777,74	-8,34	5.907
18-17-P	40,21	40,21	-1720,61	-111,79	6.794
18-18-P	40,21	40,21	-1727,50	-99,32	6.152

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
18-19-P	40,21	40,21	-1733,49	-88,47	5.624
18-20-P	40,21	40,21	-1966,98	-101,88	5.849
18-21-P	40,21	64,34	2787,94	0,00	9.260
18-22-P	40,21	80,42	3042,24	0,00	8.861
18-23-P	40,21	80,42	3042,24	0,00	7.888
18-24-P	40,21	80,42	3042,24	0,00	7.114
18-25-P	40,21	56,30	2852,09	-193,32	6.420
18-26-P	40,21	40,21	-2926,73	-106,34	4.650
18-27-P	40,21	40,21	-2934,68	-97,80	4.223
18-28-P	40,21	40,21	-2940,80	-91,22	3.789
18-29-P	40,21	40,21	-2945,68	-85,97	3.432
18-30-P	40,21	40,21	-2949,37	-82,02	3.187
18-31-P	40,21	40,21	-2952,49	-78,66	3.003
18-32-P	40,21	40,21	-2956,05	-74,84	2.787
18-33-P	40,21	40,21	-2959,77	-70,85	2.554
18-34-P	40,21	40,21	-2962,77	-67,62	2.369
18-35-P	40,21	40,21	-2964,45	-65,82	2.284
18-36-P	40,21	40,21	-2966,27	-63,86	2.188
18-37-P	40,21	40,21	3010,55	-16,22	2.023
18-38-P	40,21	40,21	3010,24	-16,55	1.834
18-39-P	40,21	40,21	3009,78	-17,04	1.646
18-40-P	40,21	40,21	3009,29	-17,56	1.495
18-41-P	40,21	72,38	3022,87	-18,19	1.362
18-42-P	40,21	72,38	3459,93	-24,15	1.394
18-43-P	40,21	96,51	4009,24	-32,67	1.460
18-44-P	40,21	112,59	4443,65	-40,76	1.458
18-45-P	72,38	128,68	8743,90	-90,18	2.574
18-46-P	72,38	136,72	9317,34	-103,71	2.483
18-47-P	72,38	120,64	9495,99	-109,69	2.249
18-48-P	72,38	104,55	9483,15	-109,85	2.010
18-49-P	72,38	96,51	9475,82	-109,78	1.798
18-50-P	72,38	80,42	9465,06	-105,55	1.553
18-51-P	72,38	72,38	9462,82	-100,47	1.357
18-52-P	72,38	72,38	9479,54	-90,31	1.170
18-53-P	96,51	96,51	12675,34	-94,40	1.292
18-54-P	96,51	96,51	12705,67	-75,99	1.123
18-55-P	96,51	96,51	12727,88	-62,51	1.013
18-56-P	96,51	96,51	12731,38	-60,39	1.114
18-57-P	96,51	72,38	12687,13	-57,67	1.271
18-58-P	72,38	72,38	9560,40	-41,21	1.156
18-59-P	72,38	72,38	9562,12	-40,16	1.390
18-60-P	72,38	80,42	9571,96	-40,82	1.593
18-61-P	72,38	96,51	9589,67	-41,18	1.805
18-62-P	72,38	104,55	9600,73	-39,15	2.023
18-63-P	72,38	120,64	9736,70	35,59	2.209
18-64-P	72,38	136,72	9555,83	41,91	2.111
18-65-P	72,38	128,68	8947,55	43,73	1.934
18-66-P	72,38	112,59	8126,59	41,87	1.720
18-67-P	72,38	96,51	7304,14	38,85	1.536
18-68-P	72,38	72,38	6269,43	32,94	1.328
18-69-P	72,38	72,38	5462,76	28,05	1.166
18-70-P	72,38	40,21	5419,03	30,63	1.172
18-71-P	72,38	40,21	5421,33	33,23	1.210
18-72-P	72,38	40,21	5422,67	34,75	1.251
18-73-P	72,38	40,21	5423,73	35,95	1.294
18-74-P	72,38	40,21	5424,87	37,24	1.347
18-75-P	72,38	40,21	5426,10	38,63	1.421
18-76-P	72,38	40,21	5427,44	40,14	1.500
18-77-P	72,38	40,21	5428,94	41,84	1.589
18-78-P	72,38	40,21	5430,61	43,73	1.686
18-79-P	40,21	40,21	3048,83	25,61	1.008
18-80-P	40,21	40,21	3049,80	26,67	1.076
18-81-P	40,21	40,21	3050,84	27,83	1.158
18-82-P	40,21	40,21	3052,08	29,20	1.253
18-83-P	40,21	40,21	3053,61	30,89	1.364
18-84-P	40,21	40,21	3055,92	33,46	1.486
18-85-P	40,21	56,30	3068,39	37,26	1.626
18-86-P	40,21	80,42	3081,04	42,02	1.793

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
18-87-P	40,21	80,42	3086,30	47,71	1.998
18-88-P	40,21	80,42	3092,92	54,88	2.258
18-89-P	40,21	64,34	2833,56	54,11	2.368
18-90-P	40,21	40,21	2051,81	34,10	1.970
18-91-P	40,21	40,21	1799,14	31,20	1.993
18-92-P	40,21	40,21	1802,78	37,95	2.357
18-93-P	40,21	40,21	1808,07	47,79	2.907
18-94-P	40,21	40,21	1816,34	63,14	3.794
18-95-P	40,21	40,21	-1783,74	2,62	4.841
18-96-P	40,21	40,21	-1783,76	2,66	3.844
18-97-P	40,21	40,21	-1783,78	2,70	3.179
18-98-P	40,21	40,21	-1783,80	2,74	2.740
18-99-P	40,21	40,21	-1783,85	2,83	2.504
18-100-P	40,21	40,21	-1783,89	2,90	2.646
18-101-P	40,21	40,21	-1783,95	3,01	2.975
18-102-P	40,21	40,21	-1784,05	3,20	3.434
18-103-P	40,21	40,21	-1784,19	3,45	4.066
18-104-P	40,21	40,21	-1784,38	3,83	5.006
18-105-P	40,21	40,21	-1784,36	3,78	5.779
18-106-P	40,21	40,21	-1784,12	3,32	6.227
18-107-P	40,21	40,21	-1783,83	2,80	6.726
18-108-P	40,21	40,21	-1783,53	2,22	7.281
18-109-P	40,21	40,21	-1783,14	1,61	7.962
19-1-P	40,21	40,21	-1778,82	-2,62	10.984
19-2-P	40,21	40,21	-1781,16	-2,13	7.166
19-3-P	40,21	40,21	-1781,62	-1,31	6.448
19-4-P	40,21	40,21	-1782,00	-0,61	5.885
19-5-P	40,21	40,21	-1782,36	0,04	5.461
19-6-P	40,21	40,21	-1782,45	0,21	4.830
19-7-P	40,21	40,21	-1782,31	-0,05	4.262
19-8-P	40,21	40,21	-1782,22	-0,22	3.856
19-9-P	40,21	40,21	-1782,15	-0,34	3.525
19-10-P	40,21	40,21	-1782,11	-0,42	3.227
19-11-P	40,21	40,21	-1781,66	-1,24	3.381
19-12-P	40,21	40,21	-1780,71	-2,95	3.912
19-13-P	40,21	40,21	-1779,52	-5,11	4.397
19-14-P	40,21	40,21	-1778,20	-7,49	4.699
19-15-P	40,21	40,21	-1776,95	-9,77	4.777
19-16-P	40,21	40,21	-1775,24	-12,85	5.439
19-17-P	40,21	40,21	-1739,05	-78,39	5.895
19-18-P	40,21	40,21	-1743,09	-71,08	5.414
19-19-P	40,21	40,21	-1746,06	-65,70	5.027
19-20-P	40,21	40,21	-1747,53	-63,05	4.742
19-21-P	40,21	48,25	-2646,53	-116,57	6.781
19-22-P	40,21	64,34	2787,94	0,00	8.022
19-23-P	40,21	80,42	3042,24	0,00	7.822
19-24-P	40,21	80,42	2850,83	-199,05	6.837
19-25-P	40,21	72,38	2875,76	-172,70	5.920
19-26-P	40,21	56,30	2890,70	-152,37	5.212
19-27-P	40,21	40,21	-2944,75	-86,98	4.534
19-28-P	40,21	40,21	2910,50	-123,13	4.122
19-29-P	40,21	40,21	2918,53	-114,54	3.705
19-30-P	40,21	40,21	2923,50	-109,23	3.363
19-31-P	40,21	40,21	2927,63	-104,82	3.078
19-32-P	40,21	40,21	2931,80	-100,37	2.827
19-33-P	40,21	40,21	3002,09	-25,25	2.571
19-34-P	40,21	40,21	3003,08	-24,20	2.289
19-35-P	40,21	40,21	3003,84	-23,39	2.066
19-36-P	40,21	40,21	3004,44	-22,74	1.884
19-37-P	40,21	40,21	3005,01	-22,13	1.674
19-38-P	40,21	40,21	3005,42	-21,70	1.505
19-39-P	40,21	40,21	3005,70	-21,39	1.369
19-40-P	40,21	40,21	3006,00	-21,08	1.244
19-41-P	40,21	40,21	3006,46	-20,59	1.114
19-42-P	40,21	40,21	3006,77	-20,26	1.010
19-43-P	64,34	40,21	4775,33	-31,85	1.465
19-44-P	64,34	40,21	4775,92	-31,22	1.321
19-45-P	64,34	40,21	4776,44	-30,66	1.200

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
19-46-P	64,34	40,21	5123,89	-34,66	1.175
19-47-P	64,34	40,21	5471,30	-38,29	1.132
19-48-P	64,34	48,25	5830,88	-42,00	1.098
19-49-P	64,34	48,25	6177,91	-45,58	1.059
19-50-P	80,42	56,30	7927,55	-56,22	1.234
19-51-P	80,42	56,30	8148,64	-54,65	1.160
19-52-P	80,42	48,25	8352,47	-53,34	1.107
19-53-P	80,42	48,25	8358,81	-48,41	1.053
19-54-P	80,42	40,21	8341,37	-46,63	1.040
19-55-P	80,42	48,25	8362,25	-45,75	1.053
19-56-P	80,42	48,25	8363,80	-44,54	1.112
19-57-P	80,42	56,30	8164,44	-42,11	1.165
19-58-P	80,42	56,30	7947,44	-40,00	1.228
19-59-P	64,34	48,25	6195,84	-30,60	1.058
19-60-P	64,34	48,25	5848,10	-26,75	1.096
19-61-P	64,34	40,21	5487,83	-22,64	1.126
19-62-P	64,34	40,21	5139,47	-18,90	1.167
19-63-P	64,34	40,21	4790,43	-15,48	1.200
19-64-P	64,34	40,21	4819,12	16,23	1.268
19-65-P	64,34	40,21	4820,58	17,87	1.248
19-66-P	64,34	40,21	4821,84	19,29	1.229
19-67-P	64,34	40,21	4822,80	20,37	1.239
19-68-P	64,34	40,21	4823,54	21,19	1.249
19-69-P	64,34	40,21	4824,30	22,05	1.259
19-70-P	64,34	40,21	4825,09	22,94	1.272
19-71-P	64,34	40,21	4825,90	23,86	1.312
19-72-P	64,34	40,21	4826,79	24,85	1.354
19-73-P	64,34	40,21	4827,73	25,91	1.399
19-74-P	64,34	40,21	4828,73	27,04	1.444
19-75-P	64,34	40,21	4829,76	28,19	1.507
19-76-P	40,21	40,21	3042,44	18,52	1.000
19-77-P	40,21	40,21	3043,20	19,36	1.055
19-78-P	40,21	40,21	3044,04	20,30	1.115
19-79-P	40,21	40,21	3044,99	21,35	1.184
19-80-P	40,21	40,21	3046,27	22,77	1.260
19-81-P	40,21	40,21	3047,99	24,67	1.353
19-82-P	40,21	56,30	3059,52	27,55	1.467
19-83-P	40,21	72,38	3068,63	30,99	1.597
19-84-P	40,21	80,42	3074,60	35,05	1.751
19-85-P	40,21	80,42	3079,11	39,93	1.935
19-86-P	40,21	64,34	2820,64	38,78	1.975
19-87-P	40,21	48,25	2114,37	27,99	1.665
19-88-P	40,21	40,21	1793,43	20,59	1.582
19-89-P	40,21	40,21	1794,73	23,01	1.794
19-90-P	40,21	40,21	1796,84	26,92	2.084
19-91-P	40,21	40,21	1799,95	32,71	2.493
19-92-P	40,21	40,21	1803,53	39,35	2.964
19-93-P	40,21	40,21	1805,69	43,36	3.314
19-94-P	40,21	40,21	1805,82	43,61	3.613
19-95-P	40,21	40,21	1805,79	43,54	4.032
19-96-P	40,21	40,21	-1783,45	2,08	3.916
19-97-P	40,21	40,21	-1783,57	2,29	3.383
19-98-P	40,21	40,21	-1783,58	2,31	3.228
19-99-P	40,21	40,21	-1783,51	2,19	3.526
19-100-P	40,21	40,21	-1783,43	2,04	3.858
19-101-P	40,21	40,21	-1783,34	1,88	4.266
19-102-P	40,21	40,21	-1783,27	1,73	4.835
19-103-P	40,21	40,21	-1783,04	1,31	5.468
19-104-P	40,21	40,21	-1782,65	0,59	5.891
19-105-P	40,21	40,21	-1782,23	-0,20	6.455
19-106-P	40,21	40,21	-1781,71	-1,15	7.173
19-107-P	24,13	24,13	-1069,73	-1,04	6.609
20-1-P	40,21	40,21	-1777,14	-4,69	12.930
20-2-P	40,21	40,21	-1779,83	-4,54	7.809
20-3-P	40,21	40,21	-1780,67	-3,03	7.297
20-4-P	40,21	40,21	-1781,37	-1,76	6.847
20-5-P	40,21	40,21	-1781,65	-1,24	6.415
20-6-P	40,21	40,21	-1781,37	-1,76	5.866

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
20-7-P	40,21	40,21	-1781,03	-2,38	5.358
20-8-P	40,21	40,21	-1780,73	-2,91	4.918
20-9-P	40,21	40,21	-1780,45	-3,43	4.508
20-10-P	40,21	40,21	-1780,02	-4,21	4.189
20-11-P	40,21	40,21	-1779,22	-5,65	4.053
20-12-P	40,21	40,21	-1778,26	-7,39	4.004
20-13-P	40,21	40,21	-1777,30	-9,13	3.968
20-14-P	40,21	40,21	-1776,48	-10,62	3.822
20-15-P	40,21	40,21	-1775,70	-12,02	3.726
20-16-P	40,21	40,21	-1773,39	-16,21	4.691
20-17-P	40,21	40,21	-1747,75	-62,64	5.549
20-18-P	40,21	40,21	-1744,14	-69,18	5.472
20-19-P	40,21	40,21	-1742,96	-71,31	5.315
20-20-P	40,21	40,21	-1746,75	-64,46	5.012
20-21-P	40,21	40,21	-1750,17	-58,27	4.737
20-22-P	40,21	48,25	1969,05	-103,00	5.452
20-23-P	40,21	64,34	2435,40	-129,92	5.623
20-24-P	40,21	72,38	2891,11	-156,78	5.736
20-25-P	40,21	80,42	2912,39	-135,22	5.001
20-26-P	40,21	72,38	2928,67	-117,54	4.411
20-27-P	40,21	56,30	2936,86	-103,42	3.941
20-28-P	40,21	48,25	2944,01	-92,05	3.563
20-29-P	40,21	40,21	2947,23	-83,87	3.249
20-30-P	40,21	40,21	2990,87	-37,24	2.935
20-31-P	40,21	40,21	2993,45	-34,49	2.565
20-32-P	40,21	40,21	2995,46	-32,33	2.281
20-33-P	40,21	40,21	2997,08	-30,61	2.054
20-34-P	40,21	40,21	2998,40	-29,20	1.869
20-35-P	40,21	40,21	2999,75	-27,76	1.678
20-36-P	40,21	40,21	3000,94	-26,49	1.507
20-37-P	40,21	40,21	3001,88	-25,48	1.369
20-38-P	40,21	40,21	3002,63	-24,67	1.254
20-39-P	40,21	40,21	3003,45	-23,80	1.143
20-40-P	40,21	40,21	3004,33	-22,86	1.036
20-41-P	64,34	40,21	4772,34	-35,11	1.509
20-42-P	64,34	40,21	4773,23	-34,13	1.396
20-43-P	64,34	40,21	4774,40	-32,87	1.286
20-44-P	64,34	40,21	4775,71	-31,44	1.185
20-45-P	64,34	40,21	4776,83	-30,23	1.100
20-46-P	64,34	40,21	4777,92	-29,05	1.024
20-47-P	88,47	40,21	6524,87	-37,63	1.301
20-48-P	88,47	40,21	6526,37	-35,91	1.225
20-49-P	88,47	40,21	6527,43	-34,70	1.168
20-50-P	88,47	40,21	6528,29	-33,72	1.126
20-51-P	88,47	40,21	6529,14	-32,74	1.092
20-52-P	88,47	40,21	6529,86	-31,92	1.070
20-53-P	88,47	40,21	6530,22	-31,51	1.068
20-54-P	88,47	40,21	6530,26	-31,47	1.090
20-55-P	88,47	40,21	6530,22	-31,51	1.122
20-56-P	88,47	40,21	6530,11	-31,64	1.165
20-57-P	88,47	40,21	6529,97	-31,79	1.225
20-58-P	88,47	40,21	6529,87	-31,91	1.299
20-59-P	64,34	40,21	4783,06	-23,47	1.016
20-60-P	64,34	40,21	4782,98	-23,56	1.095
20-61-P	64,34	40,21	4782,92	-23,62	1.181
20-62-P	64,34	40,21	4782,92	-23,63	1.274
20-63-P	64,34	40,21	4782,93	-23,62	1.385
20-64-P	64,34	40,21	4816,36	13,12	1.493
20-65-P	64,34	40,21	4817,11	13,96	1.482
20-66-P	64,34	40,21	4817,82	14,76	1.494
20-67-P	64,34	40,21	4818,54	15,57	1.506
20-68-P	64,34	40,21	4819,30	16,42	1.517
20-69-P	64,34	40,21	4820,08	17,31	1.528
20-70-P	64,34	40,21	4820,82	18,14	1.568
20-71-P	40,21	40,21	3036,55	11,99	1.018
20-72-P	40,21	40,21	3037,10	12,61	1.050
20-73-P	40,21	40,21	3037,69	13,26	1.084
20-74-P	40,21	40,21	3038,35	13,99	1.120

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
20-75-P	40,21	40,21	3039,15	14,87	1.172
20-76-P	40,21	40,21	3040,36	16,21	1.240
20-77-P	40,21	48,25	3046,96	18,11	1.313
20-78-P	40,21	56,30	3053,07	20,48	1.391
20-79-P	40,21	72,38	3061,42	23,15	1.480
20-80-P	40,21	80,42	3066,38	26,14	1.579
20-81-P	40,21	72,38	3067,34	29,58	1.705
20-82-P	40,21	64,34	2556,60	23,75	1.559
20-83-P	40,21	48,25	2045,29	17,73	1.378
20-84-P	40,21	40,21	1790,93	15,96	1.341
20-85-P	40,21	40,21	1792,48	18,83	1.508
20-86-P	40,21	40,21	1794,46	22,52	1.722
20-87-P	40,21	40,21	1795,33	24,12	1.956
20-88-P	40,21	40,21	1795,42	24,29	2.207
20-89-P	40,21	40,21	1795,21	23,90	2.479
20-90-P	40,21	40,21	1795,00	23,52	2.753
20-91-P	40,21	40,21	1793,26	20,27	2.900
20-92-P	40,21	40,21	1791,94	17,83	3.096
20-93-P	40,21	40,21	1790,89	15,88	3.354
20-94-P	40,21	40,21	1789,58	13,45	3.648
20-95-P	40,21	40,21	1788,62	11,66	3.941
20-96-P	40,21	40,21	1788,56	11,55	4.201
20-97-P	40,21	40,21	1787,70	9,95	4.455
20-98-P	40,21	40,21	1786,08	6,95	4.752
20-99-P	40,21	40,21	1784,21	3,47	5.097
20-100-P	40,21	40,21	1782,11	-0,42	5.516
20-101-P	40,21	40,21	1781,01	-2,40	5.880
20-102-P	40,21	40,21	1780,14	-3,97	6.200
20-103-P	40,21	40,21	1779,11	-5,83	6.568
20-104-P	24,13	24,13	1067,42	-3,76	7.255
21-1-P	32,17	32,17	-1419,36	-8,31	14.568
21-2-P	32,17	32,17	-1421,78	-9,60	7.963
21-3-P	40,21	40,21	-1775,69	-12,05	8.915
21-4-P	40,21	40,21	-1775,83	-11,79	8.345
21-5-P	40,21	40,21	-1775,96	-11,55	7.776
21-6-P	40,21	40,21	-1776,08	-11,34	7.059
21-7-P	40,21	40,21	-1776,29	-10,95	6.160
21-8-P	40,21	40,21	-1776,50	-10,58	5.357
21-9-P	40,21	40,21	-1776,65	-10,30	4.739
21-10-P	40,21	40,21	-1776,65	-10,30	4.284
21-11-P	40,21	40,21	-1776,27	-11,00	3.842
21-12-P	40,21	40,21	-1776,54	-10,51	2.994
21-13-P	40,21	40,21	-1776,83	-9,97	2.367
21-14-P	40,21	40,21	-1776,06	-11,37	2.487
21-15-P	40,21	40,21	-1774,23	-14,69	3.085
21-16-P	40,21	40,21	-1770,96	-20,62	4.164
21-17-P	40,21	40,21	-1743,98	-69,48	5.743
21-18-P	40,21	40,21	-1745,34	-67,00	5.563
21-19-P	40,21	40,21	-1748,90	-60,55	5.287
21-20-P	40,21	40,21	-1751,88	-55,17	5.092
21-21-P	40,21	40,21	1744,69	-67,83	4.514
21-22-P	40,21	40,21	1751,40	-55,74	3.813
21-23-P	40,21	40,21	1992,30	-61,23	3.733
21-24-P	40,21	56,30	2239,04	-66,35	3.675
21-25-P	40,21	64,34	2482,21	-70,83	3.619
21-26-P	40,21	72,38	2725,14	-74,77	3.569
21-27-P	40,21	80,42	2991,96	-52,74	3.489
21-28-P	40,21	72,38	2994,40	-48,21	3.047
21-29-P	40,21	56,30	2992,94	-43,95	2.644
21-30-P	40,21	48,25	2992,27	-40,69	2.336
21-31-P	40,21	40,21	2990,10	-38,07	2.094
21-32-P	40,21	40,21	2992,08	-35,96	1.903
21-33-P	40,21	40,21	2993,83	-34,08	1.735
21-34-P	40,21	40,21	2995,52	-32,28	1.566
21-35-P	40,21	40,21	2996,94	-30,76	1.428
21-36-P	40,21	40,21	2998,16	-29,46	1.313
21-37-P	40,21	40,21	2999,19	-28,35	1.218
21-38-P	40,21	40,21	3000,25	-27,22	1.127

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
21-39-P	40,21	40,21	3001,41	-25,98	1.037
21-40-P	56,30	40,21	4182,41	-34,74	1.338
21-41-P	56,30	40,21	4183,50	-33,55	1.250
21-42-P	56,30	40,21	4184,47	-32,51	1.175
21-43-P	56,30	40,21	4185,54	-31,35	1.105
21-44-P	56,30	40,21	4186,44	-30,39	1.048
21-45-P	56,30	40,21	4187,18	-29,58	1.001
21-46-P	72,38	40,21	5358,10	-36,90	1.224
21-47-P	72,38	40,21	5359,03	-35,89	1.172
21-48-P	72,38	40,21	5359,84	-35,00	1.133
21-49-P	72,38	40,21	5360,36	-34,44	1.111
21-50-P	72,38	40,21	5360,62	-34,15	1.101
21-51-P	72,38	40,21	5360,82	-33,94	1.096
21-52-P	72,38	40,21	5360,95	-33,79	1.098
21-53-P	72,38	40,21	5361,01	-33,72	1.108
21-54-P	72,38	40,21	5360,89	-33,85	1.135
21-55-P	72,38	40,21	5360,64	-34,13	1.173
21-56-P	72,38	40,21	5360,36	-34,43	1.216
21-57-P	72,38	40,21	5360,03	-34,79	1.268
21-58-P	56,30	40,21	4189,07	-27,55	1.041
21-59-P	56,30	40,21	4188,70	-27,95	1.102
21-60-P	56,30	40,21	4188,31	-28,37	1.170
21-61-P	56,30	40,21	4187,87	-28,85	1.251
21-62-P	56,30	40,21	4187,37	-29,38	1.342
21-63-P	40,21	40,21	3005,58	-21,52	1.039
21-64-P	40,21	40,21	3005,11	-22,03	1.116
21-65-P	40,21	40,21	3031,55	6,46	1.132
21-66-P	40,21	40,21	3031,94	6,89	1.140
21-67-P	40,21	40,21	3032,38	7,37	1.149
21-68-P	40,21	40,21	3032,89	7,94	1.156
21-69-P	40,21	40,21	3033,49	8,60	1.184
21-70-P	40,21	40,21	3034,28	9,48	1.224
21-71-P	40,21	40,21	3035,26	10,56	1.264
21-72-P	40,21	48,25	3041,32	11,91	1.307
21-73-P	40,21	56,30	3046,61	13,40	1.353
21-74-P	40,21	72,38	3053,96	15,04	1.404
21-75-P	40,21	80,42	3058,12	17,20	1.484
21-76-P	40,21	72,38	2804,42	16,70	1.447
21-77-P	40,21	64,34	2550,47	15,78	1.400
21-78-P	40,21	56,30	2296,38	14,47	1.342
21-79-P	40,21	40,21	2038,77	12,78	1.269
21-80-P	40,21	40,21	1788,17	10,83	1.185
21-81-P	40,21	40,21	1789,02	12,42	1.272
21-82-P	40,21	40,21	1790,09	14,39	1.379
21-83-P	40,21	40,21	1791,34	16,72	1.510
21-84-P	40,21	40,21	1792,87	19,55	1.672
21-85-P	40,21	40,21	1794,29	22,20	1.886
21-86-P	40,21	40,21	1794,36	22,32	2.221
21-87-P	40,21	40,21	1794,07	21,79	2.627
21-88-P	40,21	40,21	-1778,67	-6,64	2.494
21-89-P	40,21	40,21	-1778,90	-6,23	2.372
21-90-P	40,21	40,21	-1778,40	-7,14	3.000
21-91-P	40,21	40,21	1779,99	-4,24	3.007
21-92-P	40,21	40,21	1777,95	-7,90	3.106
21-93-P	40,21	40,21	1777,79	-8,21	3.242
21-94-P	40,21	40,21	1777,91	-7,98	3.384
21-95-P	40,21	40,21	1778,04	-7,75	3.544
21-96-P	40,21	40,21	1777,93	-7,94	3.703
21-97-P	40,21	40,21	1777,26	-9,16	3.873
21-98-P	40,21	40,21	1777,02	-9,58	4.089
21-99-P	40,21	40,21	1776,92	-9,77	4.336
21-100-P	32,17	32,17	1422,67	-7,94	3.888
21-101-P	16,08	16,08	711,74	-3,92	3.901
22-1-P	32,17	32,17	-1411,73	-21,36	21.422
22-2-P	32,17	32,17	-1412,85	-23,90	10.557
22-3-P	40,21	40,21	-1766,01	-29,58	10.029
22-4-P	40,21	40,21	-1767,30	-27,24	8.984
22-5-P	40,21	40,21	-1768,34	-25,35	8.145

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
22-6-P	40,21	40,21	-1769,35	-23,53	7.322
22-7-P	40,21	40,21	-1770,24	-21,92	6.486
22-8-P	40,21	40,21	-1770,81	-20,88	5.584
22-9-P	40,21	40,21	-1771,26	-20,07	4.828
22-10-P	40,21	40,21	-1771,60	-19,46	4.258
22-11-P	40,21	40,21	-1772,39	-18,02	3.573
22-12-P	40,21	40,21	-1771,11	-20,33	3.805
22-13-P	40,21	40,21	-1769,07	-24,03	4.298
22-14-P	40,21	40,21	-1766,59	-28,53	4.891
22-15-P	40,21	40,21	-1763,81	-33,56	5.526
22-16-P	40,21	40,21	1753,83	-51,36	5.105
22-17-P	40,21	40,21	1755,26	-48,78	4.714
22-18-P	40,21	40,21	1756,33	-46,85	4.422
22-19-P	40,21	40,21	1757,09	-45,48	4.179
22-20-P	40,21	40,21	1758,64	-42,70	3.870
22-21-P	40,21	40,21	1761,52	-37,50	3.493
22-22-P	40,21	40,21	1764,33	-32,45	3.120
22-23-P	40,21	40,21	1766,53	-28,48	2.754
22-24-P	40,21	40,21	1768,75	-24,48	2.365
22-25-P	40,21	48,25	2016,53	-28,13	2.310
22-26-P	40,21	48,25	2260,97	-31,55	2.239
22-27-P	40,21	56,30	2507,87	-35,24	2.187
22-28-P	40,21	64,34	2512,55	-32,54	1.956
22-29-P	40,21	72,38	2758,50	-36,48	1.938
22-30-P	40,21	72,38	3001,64	-40,58	1.920
22-31-P	40,21	64,34	3001,30	-38,31	1.752
22-32-P	40,21	56,30	3000,09	-36,37	1.589
22-33-P	40,21	48,25	2997,82	-34,79	1.456
22-34-P	40,21	40,21	2994,35	-33,52	1.347
22-35-P	40,21	40,21	2995,29	-32,52	1.258
22-36-P	40,21	40,21	2996,12	-31,63	1.182
22-37-P	40,21	40,21	2997,16	-30,52	1.109
22-38-P	40,21	40,21	2998,10	-29,52	1.046
22-39-P	56,30	40,21	4177,67	-39,85	1.379
22-40-P	56,30	40,21	4178,74	-38,69	1.308
22-41-P	56,30	40,21	4179,73	-37,63	1.244
22-42-P	56,30	40,21	4180,76	-36,52	1.185
22-43-P	56,30	40,21	4181,53	-35,69	1.142
22-44-P	56,30	40,21	4182,04	-35,13	1.111
22-45-P	56,30	40,21	4182,39	-34,76	1.089
22-46-P	56,30	40,21	4182,71	-34,41	1.068
22-47-P	56,30	40,21	4183,02	-34,08	1.052
22-48-P	56,30	40,21	4183,30	-33,77	1.040
22-49-P	56,30	40,21	4183,45	-33,62	1.039
22-50-P	56,30	40,21	4183,40	-33,66	1.049
22-51-P	56,30	40,21	4183,29	-33,79	1.064
22-52-P	56,30	40,21	4183,14	-33,95	1.083
22-53-P	56,30	40,21	4182,91	-34,19	1.108
22-54-P	56,30	40,21	4182,58	-34,55	1.141
22-55-P	56,30	40,21	4182,10	-35,07	1.186
22-56-P	56,30	40,21	4181,50	-35,72	1.242
22-57-P	56,30	40,21	4180,88	-36,39	1.303
22-58-P	56,30	40,21	4180,19	-37,13	1.370
22-59-P	40,21	40,21	3000,22	-27,25	1.039
22-60-P	40,21	40,21	2999,60	-27,91	1.103
22-61-P	40,21	40,21	2999,07	-28,49	1.173
22-62-P	40,21	40,21	2998,53	-29,06	1.253
22-63-P	40,21	40,21	2997,93	-29,69	1.345
22-64-P	40,21	48,25	3036,74	6,86	1.378
22-65-P	40,21	56,30	3041,48	7,77	1.388
22-66-P	40,21	64,34	3045,53	8,72	1.400
22-67-P	40,21	72,38	3049,36	10,05	1.452
22-68-P	40,21	72,38	2798,48	9,68	1.382
22-69-P	40,21	64,34	2545,35	9,13	1.305
22-70-P	40,21	56,30	2543,61	10,32	1.354
22-71-P	40,21	48,25	2289,94	9,49	1.268
22-72-P	40,21	48,25	2039,64	8,56	1.175
22-73-P	40,21	40,21	1785,70	6,25	1.082

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
22-74-P	40,21	40,21	1785,66	6,16	1.142
22-75-P	40,21	40,21	1785,96	6,72	1.214
22-76-P	40,21	40,21	1786,48	7,68	1.295
22-77-P	40,21	40,21	1787,02	8,70	1.381
22-78-P	40,21	40,21	1787,29	9,20	1.453
22-79-P	40,21	40,21	1787,53	9,64	1.525
22-80-P	40,21	40,21	1787,87	10,27	1.611
22-81-P	40,21	40,21	1788,26	10,99	1.710
22-82-P	40,21	40,21	1788,02	10,54	1.854
22-83-P	40,21	40,21	1786,72	8,14	2.072
22-84-P	40,21	40,21	1785,31	5,51	2.338
22-85-P	40,21	40,21	1783,73	2,57	2.656
22-86-P	40,21	40,21	1781,73	-1,10	2.961
22-87-P	40,21	40,21	1779,75	-4,67	2.957
22-88-P	40,21	40,21	1778,61	-6,73	3.020
22-89-P	40,21	40,21	1777,40	-8,90	3.085
22-90-P	40,21	40,21	1776,38	-10,73	3.173
22-91-P	40,21	40,21	1776,19	-11,08	3.297
22-92-P	40,21	40,21	1776,01	-11,41	3.396
22-93-P	40,21	40,21	1775,78	-11,83	3.489
22-94-P	40,21	40,21	1775,53	-12,27	3.588
22-95-P	32,17	32,17	1420,47	-10,04	3.644
22-96-P	16,08	16,08	710,29	-5,00	3.851
23-1-P	24,13	24,13	-1051,88	-28,65	22.081
23-2-P	24,13	24,13	-1053,86	-29,19	10.515
23-3-P	40,21	40,21	-1755,22	-48,92	11.294
23-4-P	40,21	40,21	-1756,94	-46,00	10.096
23-5-P	40,21	40,21	-1758,21	-43,70	9.237
23-6-P	40,21	40,21	-1759,35	-41,63	8.482
23-7-P	40,21	40,21	-1760,83	-38,96	7.572
23-8-P	40,21	40,21	-1761,99	-36,85	6.754
23-9-P	40,21	40,21	1787,75	10,04	6.562
23-10-P	40,21	40,21	1784,95	4,84	5.855
23-11-P	40,21	40,21	1763,59	-33,78	5.263
23-12-P	40,21	40,21	1764,66	-31,86	4.720
23-13-P	40,21	40,21	1765,32	-30,66	4.322
23-14-P	40,21	40,21	1765,28	-30,74	4.085
23-15-P	40,21	40,21	1765,03	-31,18	3.891
23-16-P	40,21	40,21	1764,73	-31,72	3.710
23-17-P	40,21	40,21	1764,46	-32,20	3.543
23-18-P	40,21	40,21	1763,51	-33,91	3.490
23-19-P	40,21	40,21	1763,44	-34,05	3.314
23-20-P	40,21	40,21	1764,84	-31,53	2.937
23-21-P	40,21	40,21	1766,20	-29,07	2.599
23-22-P	40,21	40,21	1767,86	-26,09	2.249
23-23-P	40,21	40,21	1769,47	-23,18	1.936
23-24-P	40,21	40,21	1770,62	-21,11	1.709
23-25-P	40,21	40,21	1771,59	-19,37	1.520
23-26-P	40,21	40,21	1772,40	-17,91	1.365
23-27-P	40,21	40,21	1772,97	-16,88	1.249
23-28-P	40,21	40,21	2017,86	-20,76	1.320
23-29-P	40,21	48,25	2021,64	-20,08	1.237
23-30-P	40,21	48,25	2266,26	-24,11	1.285
23-31-P	40,21	56,30	2269,78	-23,25	1.198
23-32-P	40,21	56,30	2513,98	-27,51	1.240
23-33-P	40,21	56,30	2514,62	-26,69	1.164
23-34-P	40,21	56,30	2758,01	-31,21	1.203
23-35-P	40,21	56,30	2758,81	-30,28	1.134
23-36-P	40,21	56,30	3001,77	-34,59	1.164
23-37-P	40,21	48,25	2999,01	-33,52	1.108
23-38-P	40,21	56,30	3003,53	-32,72	1.066
23-39-P	40,21	48,25	3000,44	-32,00	1.030
23-40-P	48,25	48,25	3593,28	-37,55	1.195
23-41-P	48,25	48,25	3593,87	-36,92	1.162
23-42-P	48,25	40,21	3587,74	-36,37	1.132
23-43-P	48,25	40,21	3588,14	-35,95	1.108
23-44-P	48,25	40,21	3588,44	-35,62	1.090
23-45-P	48,25	40,21	3588,60	-35,45	1.081

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
23-46-P	48,25	40,21	3588,64	-35,40	1.080
23-47-P	48,25	40,21	3588,63	-35,42	1.085
23-48-P	48,25	40,21	3588,57	-35,49	1.094
23-49-P	48,25	40,21	3588,44	-35,62	1.109
23-50-P	48,25	40,21	3588,29	-35,78	1.127
23-51-P	48,25	48,25	3594,60	-36,14	1.153
23-52-P	48,25	48,25	3594,10	-36,68	1.187
23-53-P	40,21	48,25	3001,25	-31,14	1.023
23-54-P	40,21	56,30	3004,45	-31,75	1.062
23-55-P	40,21	48,25	3000,10	-32,37	1.106
23-56-P	40,21	56,30	3003,11	-33,17	1.162
23-57-P	40,21	56,30	2760,15	-28,73	1.128
23-58-P	40,21	56,30	2759,64	-29,32	1.195
23-59-P	40,21	56,30	2516,03	-24,91	1.157
23-60-P	40,21	56,30	2515,57	-25,50	1.234
23-61-P	40,21	56,30	2271,11	-21,39	1.193
23-62-P	40,21	48,25	2286,67	4,76	1.267
23-63-P	40,21	48,25	2036,90	4,11	1.136
23-64-P	40,21	40,21	2033,93	4,86	1.149
23-65-P	40,21	40,21	1784,75	4,48	1.035
23-66-P	40,21	40,21	1785,19	5,29	1.072
23-67-P	40,21	40,21	1785,66	6,17	1.121
23-68-P	40,21	40,21	1786,18	7,14	1.175
23-69-P	40,21	40,21	1786,71	8,11	1.235
23-70-P	40,21	40,21	1786,60	7,91	1.325
23-71-P	40,21	40,21	1785,91	6,63	1.422
23-72-P	40,21	40,21	1785,02	4,97	1.513
23-73-P	40,21	40,21	1783,97	3,03	1.603
23-74-P	40,21	40,21	1782,76	0,78	1.626
23-75-P	40,21	40,21	1781,77	-1,03	1.626
23-76-P	40,21	40,21	1781,41	-1,68	1.688
23-77-P	40,21	40,21	1781,04	-2,34	1.751
23-78-P	40,21	40,21	1780,94	-2,52	1.810
23-79-P	40,21	40,21	1781,24	-1,99	1.871
23-80-P	40,21	40,21	1780,89	-2,62	1.968
23-81-P	40,21	40,21	1780,24	-3,78	2.088
23-82-P	40,21	40,21	1779,50	-5,12	2.225
23-83-P	40,21	40,21	1778,65	-6,65	2.380
23-84-P	40,21	40,21	1777,85	-8,09	2.548
23-85-P	40,21	40,21	1777,30	-9,08	2.630
23-86-P	40,21	40,21	1776,82	-9,95	2.727
23-87-P	40,21	40,21	1776,43	-10,65	2.852
23-88-P	40,21	40,21	1776,01	-11,40	2.990
23-89-P	40,21	40,21	1775,51	-12,11	3.172
23-90-P	24,13	24,13	1065,82	-7,48	2.909
23-91-P	8,04	8,04	356,09	-2,57	2.025
24-1-P	16,08	16,08	719,45	13,69	11.919
24-2-P	16,08	16,08	721,00	12,80	5.320
24-3-P	32,17	32,17	1439,01	24,05	6.370
24-4-P	40,21	40,21	1760,24	-39,82	6.012
24-5-P	40,21	40,21	1760,93	-38,56	5.568
24-6-P	40,21	40,21	1761,55	-37,44	5.178
24-7-P	40,21	40,21	1762,08	-36,49	4.839
24-8-P	40,21	40,21	1762,66	-35,46	4.509
24-9-P	40,21	40,21	1763,14	-34,59	4.216
24-10-P	40,21	40,21	1763,27	-34,35	4.010
24-11-P	40,21	40,21	1763,39	-34,13	3.818
24-12-P	40,21	40,21	1763,49	-33,96	3.646
24-13-P	40,21	40,21	1763,57	-33,82	3.480
24-14-P	40,21	40,21	1763,11	-34,65	3.343
24-15-P	40,21	40,21	1761,69	-37,19	3.351
24-16-P	40,21	40,21	1759,91	-40,40	3.413
24-17-P	40,21	40,21	1761,75	-37,09	3.018
24-18-P	40,21	40,21	1764,84	-31,52	2.503
24-19-P	40,21	40,21	1767,05	-27,54	2.135
24-20-P	40,21	40,21	1768,73	-24,52	1.858
24-21-P	40,21	40,21	1769,96	-22,31	1.651
24-22-P	40,21	40,21	1770,50	-21,33	1.536

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
24-23-P	40,21	40,21	1770,78	-20,83	1.455
24-24-P	40,21	40,21	1771,05	-20,34	1.380
24-25-P	40,21	40,21	1771,32	-19,84	1.309
24-26-P	40,21	40,21	1771,59	-19,36	1.242
24-27-P	40,21	40,21	1771,86	-18,89	1.179
24-28-P	40,21	40,21	1772,31	-18,07	1.099
24-29-P	40,21	40,21	1772,81	-17,17	1.022
24-30-P	56,30	40,21	2468,65	-22,81	1.330
24-31-P	56,30	40,21	2469,18	-21,85	1.250
24-32-P	56,30	40,21	2469,66	-20,98	1.180
24-33-P	56,30	40,21	2470,05	-20,27	1.123
24-34-P	56,30	40,21	2470,32	-19,76	1.083
24-35-P	56,30	40,21	2470,58	-19,30	1.045
24-36-P	56,30	40,21	2470,79	-18,90	1.012
24-37-P	56,30	40,21	2812,72	-23,92	1.117
24-38-P	56,30	40,21	2812,97	-23,52	1.085
24-39-P	56,30	48,25	2820,05	-23,23	1.059
24-40-P	56,30	48,25	2820,00	-23,31	1.054
24-41-P	56,30	48,25	2819,94	-23,41	1.055
24-42-P	56,30	48,25	2819,93	-23,41	1.055
24-43-P	56,30	40,21	2813,09	-23,33	1.052
24-44-P	56,30	48,25	2819,97	-23,36	1.054
24-45-P	56,30	48,25	2820,00	-23,31	1.054
24-46-P	56,30	48,25	2820,08	-23,19	1.052
24-47-P	56,30	48,25	2820,15	-23,07	1.057
24-48-P	56,30	40,21	2813,15	-23,24	1.083
24-49-P	56,30	40,21	2812,97	-23,52	1.115
24-50-P	56,30	40,21	2471,02	-18,50	1.010
24-51-P	56,30	40,21	2470,86	-18,79	1.043
24-52-P	56,30	40,21	2470,65	-19,16	1.079
24-53-P	56,30	40,21	2470,43	-19,56	1.119
24-54-P	56,30	40,21	2470,08	-20,21	1.176
24-55-P	56,30	40,21	2469,63	-21,03	1.246
24-56-P	56,30	40,21	2469,14	-21,91	1.326
24-57-P	40,21	40,21	1773,20	-16,46	1.019
24-58-P	40,21	40,21	1772,76	-17,27	1.096
24-59-P	40,21	40,21	1772,36	-17,98	1.176
24-60-P	40,21	40,21	1772,18	-18,31	1.240
24-61-P	40,21	40,21	1783,79	2,70	1.254
24-62-P	40,21	40,21	1784,19	3,43	1.265
24-63-P	40,21	40,21	1784,59	4,18	1.276
24-64-P	40,21	40,21	1784,97	4,88	1.289
24-65-P	40,21	40,21	1785,19	5,29	1.334
24-66-P	40,21	40,21	1784,78	4,54	1.445
24-67-P	40,21	40,21	1784,14	3,35	1.591
24-68-P	40,21	40,21	1783,31	1,81	1.778
24-69-P	40,21	40,21	1782,16	-0,32	2.028
24-70-P	40,21	40,21	1780,26	-3,74	2.174
24-71-P	40,21	40,21	1777,97	-7,88	2.029
24-72-P	40,21	40,21	1776,22	-11,03	1.917
24-73-P	40,21	40,21	1775,14	-12,98	1.892
24-74-P	40,21	40,21	1775,26	-12,76	1.938
24-75-P	40,21	40,21	1775,55	-12,23	1.987
24-76-P	40,21	40,21	1775,84	-11,70	2.040
24-77-P	40,21	40,21	1776,11	-11,22	2.093
24-78-P	40,21	40,21	1775,79	-11,80	2.168
24-79-P	40,21	40,21	1775,50	-12,32	2.250
24-80-P	40,21	40,21	1775,44	-12,43	2.323
24-81-P	40,21	40,21	1775,45	-12,41	2.401
24-82-P	40,21	40,21	1775,45	-12,41	2.483
24-83-P	32,17	32,17	1420,52	-10,00	2.509
24-84-P	16,08	16,08	711,32	-5,04	1.974
24-85-P	8,04	8,04	355,65	-2,54	2.073
25-1-P	16,08	16,08	702,86	-16,13	9.118
25-2-P	16,08	16,08	704,34	-16,17	4.297
25-3-P	24,13	24,13	1056,54	-24,22	4.048
25-4-P	32,17	32,17	1408,66	-32,19	3.884
25-5-P	40,21	40,21	1760,20	-39,88	4.080

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
25-6-P	40,21	40,21	1760,50	-39,34	3.902
25-7-P	40,21	40,21	1760,79	-38,83	3.737
25-8-P	40,21	40,21	1761,07	-38,31	3.579
25-9-P	40,21	40,21	1761,58	-37,40	3.382
25-10-P	40,21	40,21	1762,37	-35,98	3.111
25-11-P	40,21	40,21	1763,04	-34,77	2.877
25-12-P	40,21	40,21	1763,60	-33,77	2.675
25-13-P	40,21	40,21	1764,06	-32,93	2.501
25-14-P	40,21	40,21	1765,06	-31,12	2.289
25-15-P	40,21	40,21	1766,14	-29,19	2.087
25-16-P	40,21	40,21	1767,16	-27,35	1.905
25-17-P	40,21	40,21	1768,06	-25,72	1.746
25-18-P	40,21	40,21	1768,86	-24,28	1.609
25-19-P	40,21	40,21	1769,34	-23,42	1.513
25-20-P	40,21	40,21	1769,37	-23,37	1.470
25-21-P	40,21	40,21	1769,26	-23,57	1.444
25-22-P	40,21	40,21	1769,02	-24,00	1.433
25-23-P	40,21	40,21	1768,66	-24,64	1.436
25-24-P	40,21	40,21	1768,29	-25,31	1.439
25-25-P	40,21	40,21	1768,51	-24,92	1.392
25-26-P	40,21	40,21	1769,47	-23,19	1.282
25-27-P	40,21	40,21	1770,41	-21,50	1.176
25-28-P	40,21	40,21	1771,27	-19,94	1.079
25-29-P	56,30	40,21	2467,03	-25,77	1.379
25-30-P	56,30	40,21	2467,96	-24,07	1.272
25-31-P	56,30	40,21	2468,22	-23,60	1.239
25-32-P	56,30	40,21	2468,40	-23,26	1.212
25-33-P	56,30	40,21	2468,59	-22,93	1.184
25-34-P	56,30	40,21	2468,77	-22,60	1.156
25-35-P	56,30	40,21	2468,91	-22,34	1.130
25-36-P	56,30	40,21	2468,69	-22,74	1.140
25-37-P	56,30	40,21	2468,43	-23,21	1.151
25-38-P	56,30	40,21	2468,15	-23,72	1.164
25-39-P	56,30	40,21	2467,85	-24,28	1.178
25-40-P	56,30	40,21	2467,84	-24,29	1.178
25-41-P	56,30	40,21	2468,12	-23,78	1.163
25-42-P	56,30	40,21	2468,38	-23,31	1.150
25-43-P	56,30	40,21	2468,62	-22,88	1.139
25-44-P	56,30	40,21	2468,83	-22,49	1.129
25-45-P	56,30	40,21	2468,76	-22,61	1.155
25-46-P	56,30	40,21	2468,66	-22,79	1.182
25-47-P	56,30	40,21	2468,56	-22,97	1.210
25-48-P	56,30	40,21	2468,47	-23,15	1.237
25-49-P	56,30	40,21	2468,29	-23,46	1.270
25-50-P	56,30	40,21	2467,36	-25,17	1.376
25-51-P	40,21	40,21	1771,50	-19,52	1.077
25-52-P	40,21	40,21	1770,63	-21,10	1.174
25-53-P	40,21	40,21	1769,68	-22,81	1.279
25-54-P	40,21	40,21	1768,70	-24,57	1.390
25-55-P	40,21	40,21	1768,46	-25,01	1.437
25-56-P	40,21	40,21	1768,78	-24,43	1.433
25-57-P	40,21	40,21	1769,09	-23,87	1.431
25-58-P	40,21	40,21	1769,30	-23,49	1.441
25-59-P	40,21	40,21	1769,40	-23,32	1.467
25-60-P	40,21	40,21	1780,10	-4,04	1.489
25-61-P	40,21	40,21	1780,01	-4,20	1.526
25-62-P	40,21	40,21	1779,46	-5,18	1.610
25-63-P	40,21	40,21	1778,98	-6,05	1.697
25-64-P	40,21	40,21	1778,53	-6,87	1.790
25-65-P	40,21	40,21	1778,18	-7,49	1.882
25-66-P	40,21	40,21	1777,85	-8,08	1.961
25-67-P	40,21	40,21	1777,30	-9,09	1.991
25-68-P	40,21	40,21	1776,74	-10,09	2.024
25-69-P	40,21	40,21	1776,20	-11,07	2.059
25-70-P	40,21	40,21	1775,65	-12,06	2.095
25-71-P	40,21	40,21	1775,53	-12,26	2.144
25-72-P	40,21	40,21	1775,41	-12,48	2.186
25-73-P	40,21	40,21	1775,24	-12,79	2.225

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
25-74-P	40,21	40,21	1775,06	-13,11	2.266
25-75-P	32,17	32,17	1420,58	-10,73	2.082
25-76-P	24,13	24,13	1065,47	-8,14	2.091
25-77-P	16,08	16,08	710,28	-5,49	2.134
25-78-P	8,04	8,04	355,12	-2,77	2.177
26-1-P	8,04	8,04	351,86	-8,07	4.065
26-2-P	8,04	8,04	353,32	-7,92	1.921
26-3-P	16,08	16,08	705,52	-15,47	2.413
26-4-P	24,13	24,13	1057,84	-22,45	2.595
26-5-P	32,17	32,17	1410,49	-28,59	2.629
26-6-P	40,21	40,21	1763,24	-34,41	2.626
26-7-P	40,21	40,21	1763,91	-33,19	2.458
26-8-P	40,21	40,21	1764,49	-32,16	2.313
26-9-P	40,21	40,21	1764,67	-31,83	2.211
26-10-P	40,21	40,21	1764,77	-31,65	2.118
26-11-P	40,21	40,21	1764,96	-31,31	2.023
26-12-P	40,21	40,21	1765,28	-30,73	1.920
26-13-P	40,21	40,21	1765,72	-29,94	1.817
26-14-P	40,21	40,21	1766,19	-29,10	1.727
26-15-P	40,21	40,21	1766,61	-28,35	1.648
26-16-P	40,21	40,21	1766,67	-28,23	1.606
26-17-P	40,21	40,21	1766,29	-28,90	1.607
26-18-P	40,21	40,21	1765,86	-29,69	1.616
26-19-P	40,21	40,21	1765,63	-30,09	1.608
26-20-P	40,21	40,21	1765,60	-30,16	1.585
26-21-P	40,21	40,21	1765,81	-29,78	1.544
26-22-P	40,21	40,21	1766,79	-28,01	1.429
26-23-P	40,21	40,21	1768,00	-25,83	1.298
26-24-P	40,21	40,21	1769,06	-23,92	1.184
26-25-P	40,21	40,21	1769,91	-22,39	1.091
26-26-P	40,21	40,21	1770,49	-21,34	1.024
26-27-P	40,21	40,21	1770,56	-21,22	1.009
26-28-P	48,25	40,21	2118,78	-25,36	1.196
26-29-P	48,25	40,21	2118,78	-25,35	1.186
26-30-P	48,25	40,21	2118,80	-25,31	1.175
26-31-P	40,21	40,21	1770,17	-21,93	1.015
26-32-P	40,21	40,21	1769,39	-23,34	1.078
26-33-P	40,21	40,21	1768,58	-24,79	1.142
26-34-P	40,21	40,21	1767,78	-26,24	1.205
26-35-P	40,21	40,21	1767,18	-27,31	1.247
26-36-P	40,21	40,21	1767,72	-26,34	1.205
26-37-P	40,21	40,21	1768,46	-25,00	1.141
26-38-P	40,21	40,21	1769,21	-23,66	1.077
26-39-P	40,21	40,21	1769,94	-22,35	1.014
26-40-P	48,25	40,21	2118,52	-25,82	1.174
26-41-P	48,25	40,21	2118,59	-25,70	1.185
26-42-P	48,25	40,21	2118,67	-25,54	1.195
26-43-P	40,21	40,21	1770,55	-21,23	1.008
26-44-P	40,21	40,21	1770,55	-21,25	1.023
26-45-P	40,21	40,21	1769,95	-22,33	1.090
26-46-P	40,21	40,21	1769,06	-23,92	1.182
26-47-P	40,21	40,21	1767,96	-25,90	1.296
26-48-P	40,21	40,21	1766,70	-28,17	1.427
26-49-P	40,21	40,21	1765,66	-30,05	1.541
26-50-P	40,21	40,21	1765,38	-30,55	1.582
26-51-P	40,21	40,21	1765,35	-30,61	1.604
26-52-P	40,21	40,21	1765,51	-30,32	1.612
26-53-P	40,21	40,21	1765,90	-29,62	1.604
26-54-P	40,21	40,21	1766,23	-29,02	1.603
26-55-P	40,21	40,21	1766,12	-29,21	1.644
26-56-P	40,21	40,21	1765,66	-30,04	1.723
26-57-P	40,21	40,21	1777,11	-9,43	1.765
26-58-P	40,21	40,21	1776,93	-9,74	1.806
26-59-P	40,21	40,21	1776,74	-10,09	1.853
26-60-P	40,21	40,21	1776,58	-10,37	1.895
26-61-P	40,21	40,21	1776,45	-10,60	1.936
26-62-P	40,21	40,21	1776,29	-10,89	1.975
26-63-P	40,21	40,21	1776,10	-11,25	2.024

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
26-64-P	40,21	40,21	1775,88	-11,64	2.077
26-65-P	32,17	32,17	1421,04	-9,59	1.973
26-66-P	24,13	24,13	1066,19	-7,43	1.832
26-67-P	16,08	16,08	711,29	-5,08	1.623
26-68-P	8,04	8,04	356,28	-2,60	1.241
26-69-P	8,04	8,04	354,87	-2,64	2.515
27-1-P	16,08	8,04	694,15	-13,51	6.347
27-2-P	8,04	8,04	353,50	-6,69	1.517
27-3-P	16,08	16,08	705,72	-13,33	2.033
27-4-P	16,08	16,08	706,57	-13,46	1.552
27-5-P	24,13	24,13	1058,61	-20,28	1.859
27-6-P	32,17	32,17	1410,63	-27,12	2.047
27-7-P	32,17	32,17	1411,59	-27,04	1.723
27-8-P	40,21	40,21	1763,98	-32,95	1.848
27-9-P	40,21	40,21	1764,52	-32,11	1.755
27-10-P	40,21	40,21	1764,95	-31,32	1.691
27-11-P	40,21	40,21	1765,35	-30,60	1.636
27-12-P	40,21	40,21	1765,69	-29,99	1.582
27-13-P	40,21	40,21	1765,97	-29,50	1.530
27-14-P	40,21	40,21	1766,22	-29,04	1.482
27-15-P	40,21	40,21	1766,43	-28,67	1.437
27-16-P	40,21	40,21	1766,55	-28,44	1.397
27-17-P	40,21	40,21	1766,96	-27,70	1.331
27-18-P	40,21	40,21	1767,22	-27,24	1.282
27-19-P	40,21	40,21	1767,41	-26,89	1.239
27-20-P	40,21	40,21	1767,61	-26,53	1.198
27-21-P	40,21	40,21	1767,78	-26,23	1.163
27-22-P	40,21	40,21	1767,73	-26,32	1.156
27-23-P	40,21	40,21	1767,68	-26,41	1.158
27-24-P	40,21	40,21	1767,65	-26,46	1.162
27-25-P	40,21	40,21	1767,61	-26,53	1.169
27-26-P	40,21	40,21	1767,30	-27,10	1.197
27-27-P	40,21	40,21	1766,73	-28,13	1.245
27-28-P	40,21	40,21	1766,47	-28,58	1.264
27-29-P	40,21	40,21	1766,44	-28,64	1.264
27-30-P	40,21	40,21	1766,41	-28,70	1.264
27-31-P	40,21	40,21	1766,59	-28,37	1.244
27-32-P	40,21	40,21	1767,09	-27,47	1.196
27-33-P	40,21	40,21	1767,37	-26,97	1.167
27-34-P	40,21	40,21	1767,39	-26,93	1.161
27-35-P	40,21	40,21	1767,42	-26,89	1.157
27-36-P	40,21	40,21	1767,49	-26,75	1.155
27-37-P	40,21	40,21	1767,58	-26,59	1.162
27-38-P	40,21	40,21	1767,40	-26,91	1.197
27-39-P	40,21	40,21	1767,18	-27,31	1.238
27-40-P	40,21	40,21	1766,96	-27,70	1.280
27-41-P	40,21	40,21	1766,68	-28,21	1.329
27-42-P	40,21	40,21	1766,23	-29,02	1.396
27-43-P	40,21	40,21	1766,05	-29,34	1.435
27-44-P	40,21	40,21	1765,78	-29,83	1.479
27-45-P	40,21	40,21	1765,46	-30,40	1.527
27-46-P	40,21	40,21	1765,12	-31,02	1.579
27-47-P	40,21	40,21	1764,72	-31,74	1.632
27-48-P	40,21	40,21	1764,27	-32,54	1.686
27-49-P	40,21	40,21	1763,80	-33,40	1.751
27-50-P	40,21	40,21	1763,22	-34,33	1.843
27-51-P	32,17	32,17	1410,94	-28,21	1.719
27-52-P	32,17	32,17	1420,83	-8,74	2.013
27-53-P	24,13	24,13	1066,15	-6,69	1.794
27-54-P	16,08	16,08	711,53	-4,55	1.469
27-55-P	16,08	16,08	710,57	-4,61	1.889
27-56-P	8,04	8,04	355,93	-2,34	1.373
27-57-P	16,08	8,04	698,74	-4,70	5.513
28-1-P	8,04	8,04	352,27	-6,49	3.998
28-2-P	8,04	8,04	352,77	-6,34	1.938
28-3-P	16,08	8,04	698,10	-12,25	2.478
28-4-P	16,08	8,04	700,16	-12,01	1.808
28-5-P	16,08	16,08	706,54	-11,91	1.454

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
28-6-P	16,08	16,08	707,06	-11,86	1.232
28-7-P	16,08	16,08	707,54	-11,86	1.062
28-8-P	24,13	24,13	1059,65	-17,74	1.389
28-9-P	24,13	24,13	1060,14	-17,74	1.227
28-10-P	24,13	24,13	1060,66	-17,66	1.096
28-11-P	32,17	32,17	1412,66	-23,40	1.357
28-12-P	32,17	32,17	1412,93	-23,41	1.279
28-13-P	32,17	32,17	1413,17	-23,50	1.216
28-14-P	32,17	32,17	1413,40	-23,60	1.159
28-15-P	32,17	32,17	1413,63	-23,71	1.113
28-16-P	32,17	32,17	1413,76	-23,80	1.093
28-17-P	32,17	32,17	1413,87	-23,76	1.083
28-18-P	32,17	32,17	1414,06	-23,59	1.072
28-19-P	40,21	40,21	1765,95	-29,19	1.323
28-20-P	40,21	40,21	1766,14	-29,01	1.307
28-21-P	40,21	40,21	1766,24	-29,00	1.292
28-22-P	40,21	40,21	1766,08	-29,12	1.307
28-23-P	40,21	40,21	1765,85	-29,37	1.322
28-24-P	32,17	32,17	1413,96	-23,79	1.071
28-25-P	32,17	32,17	1413,74	-24,00	1.082
28-26-P	32,17	32,17	1413,60	-24,08	1.092
28-27-P	32,17	32,17	1413,46	-24,02	1.112
28-28-P	32,17	32,17	1413,21	-23,95	1.158
28-29-P	32,17	32,17	1412,94	-23,91	1.215
28-30-P	32,17	32,17	1412,68	-23,86	1.278
28-31-P	32,17	32,17	1412,38	-23,90	1.356
28-32-P	24,13	24,13	1060,43	-18,06	1.094
28-33-P	24,13	24,13	1059,91	-18,16	1.226
28-34-P	24,13	24,13	1059,40	-18,20	1.387
28-35-P	16,08	16,08	707,35	-12,19	1.060
28-36-P	16,08	16,08	706,86	-12,22	1.230
28-37-P	16,08	16,08	706,32	-12,30	1.451
28-38-P	16,08	8,04	699,92	-12,44	1.804
28-39-P	16,08	8,04	697,86	-12,71	2.472
28-40-P	8,04	8,04	352,63	-6,59	1.934
28-41-P	8,04	8,04	352,13	-6,75	3.988
29-1-S	8,04	8,04	359,69	7,01	10.069
29-2-S	8,04	8,04	359,98	6,86	4.849
29-3-S	8,04	8,04	360,60	6,73	3.119
29-4-S	8,04	8,04	361,18	6,60	2.260
29-5-S	16,08	16,08	720,03	12,78	3.535
29-6-S	16,08	16,08	720,46	12,67	2.945
29-7-S	16,08	16,08	720,94	12,68	2.503
29-8-S	24,13	24,13	1079,73	18,98	3.229
29-9-S	24,13	24,13	1074,16	7,74	2.805
29-10-S	24,13	24,13	1074,34	7,21	2.450
29-11-S	32,17	32,17	1430,50	9,01	2.983
29-12-S	32,17	32,17	1430,34	8,19	2.767
29-13-S	32,17	32,17	1430,10	7,21	2.593
29-14-S	32,17	32,17	1429,87	6,26	2.436
29-15-S	32,17	32,17	1429,75	5,49	2.305
29-16-S	32,17	32,17	1429,63	4,92	2.229
29-17-S	32,17	32,17	1429,37	4,26	2.172
29-18-S	32,17	32,17	1429,05	3,49	2.106
29-19-S	40,21	40,21	1783,96	3,36	2.546
29-20-S	40,21	40,21	1783,29	1,94	2.447
29-21-S	40,21	40,21	1782,30	-0,07	2.324
29-22-S	40,21	40,21	1781,17	-1,93	2.261
29-23-S	40,21	40,21	1780,45	-3,06	2.224
29-24-S	32,17	32,17	1425,49	-3,02	1.764
29-25-S	32,17	32,17	1425,12	-3,53	1.747
29-26-S	32,17	32,17	1424,80	-3,92	1.731
29-27-S	32,17	32,17	1424,45	-4,22	1.735
29-28-S	32,17	32,17	1423,92	-4,66	1.778
29-29-S	32,17	32,17	1423,34	-5,19	1.836
29-30-S	32,17	32,17	1422,76	-5,70	1.899
29-31-S	32,17	32,17	1422,28	-6,05	1.976
29-32-S	24,13	24,13	1067,89	-4,64	1.557

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
29-33-S	24,13	24,13	1067,37	-4,72	1.691
29-34-S	24,13	24,13	1066,76	-4,94	1.849
29-35-S	16,08	16,08	712,21	-3,45	1.364
29-36-S	16,08	16,08	711,65	-3,59	1.526
29-37-S	16,08	16,08	711,03	-3,82	1.726
29-38-S	8,04	8,04	356,46	-2,11	1.032
29-39-S	8,04	8,04	355,75	-2,21	1.361
29-40-S	8,04	8,04	355,00	-2,31	2.020
29-41-S	8,04	8,04	354,54	-2,41	4.000
30-1-S	16,08	8,04	709,22	18,35	12.235
30-2-S	8,04	8,04	362,49	9,80	3.156
30-3-S	16,08	16,08	724,18	20,54	4.457
30-4-S	16,08	16,08	725,66	21,60	3.546
30-5-S	24,13	24,13	1088,10	33,88	4.434
30-6-S	32,17	32,17	1451,11	47,22	5.094
30-7-S	32,17	32,17	1442,08	28,77	4.398
30-8-S	40,21	40,21	1801,59	35,87	4.752
30-9-S	40,21	40,21	1801,48	35,55	4.531
30-10-S	40,21	40,21	1801,23	35,08	4.365
30-11-S	40,21	40,21	1800,90	34,48	4.210
30-12-S	40,21	40,21	1800,35	33,46	4.018
30-13-S	40,21	40,21	1799,68	32,20	3.810
30-14-S	40,21	40,21	1799,07	31,07	3.624
30-15-S	40,21	40,21	1798,59	30,18	3.458
30-16-S	40,21	40,21	1788,74	11,89	3.305
30-17-S	40,21	40,21	1787,74	10,02	3.086
30-18-S	40,21	40,21	1787,27	9,15	2.923
30-19-S	40,21	40,21	1786,87	8,41	2.782
30-20-S	40,21	40,21	1786,48	7,69	2.651
30-21-S	40,21	40,21	1786,23	7,23	2.536
30-22-S	40,21	40,21	1787,27	9,15	2.478
30-23-S	40,21	40,21	1787,85	10,23	2.445
30-24-S	40,21	40,21	1787,78	10,10	2.423
30-25-S	40,21	40,21	1787,48	9,54	2.404
30-26-S	40,21	40,21	1786,59	7,89	2.403
30-27-S	40,21	40,21	1785,01	4,96	2.403
30-28-S	40,21	40,21	1783,53	2,21	2.335
30-29-S	40,21	40,21	1782,31	-0,06	2.240
30-30-S	40,21	40,21	1781,14	-2,15	2.151
30-31-S	40,21	40,21	1779,94	-4,32	2.045
30-32-S	40,21	40,21	1778,79	-6,39	1.917
30-33-S	40,21	40,21	1778,23	-7,40	1.841
30-34-S	40,21	40,21	1778,11	-7,63	1.808
30-35-S	40,21	40,21	1778,16	-7,53	1.778
30-36-S	40,21	40,21	1778,70	-6,56	1.752
30-37-S	40,21	40,21	1779,55	-5,03	1.735
30-38-S	40,21	40,21	1779,48	-5,15	1.748
30-39-S	40,21	40,21	1779,34	-5,41	1.764
30-40-S	40,21	40,21	1779,21	-5,64	1.778
30-41-S	40,21	40,21	1779,06	-5,91	1.796
30-42-S	40,21	40,21	1778,67	-6,62	1.819
30-43-S	40,21	40,21	1778,10	-7,64	1.791
30-44-S	40,21	40,21	1777,45	-8,82	1.758
30-45-S	40,21	40,21	1776,77	-10,04	1.724
30-46-S	40,21	40,21	1776,11	-11,22	1.690
30-47-S	40,21	40,21	1775,68	-12,00	1.671
30-48-S	40,21	40,21	1775,47	-12,38	1.668
30-49-S	40,21	40,21	1775,32	-12,65	1.671
30-50-S	40,21	40,21	1775,16	-12,82	1.692
30-51-S	32,17	32,17	1420,87	-10,33	1.512
30-52-S	32,17	32,17	1419,86	-10,49	1.751
30-53-S	24,13	24,13	1065,41	-8,02	1.560
30-54-S	16,08	16,08	711,03	-5,45	1.276
30-55-S	16,08	16,08	710,07	-5,51	1.640
30-56-S	8,04	8,04	355,67	-2,79	1.190
30-57-S	16,08	8,04	698,28	-5,59	4.770
31-1-S	8,04	8,04	359,80	6,42	4.558
31-2-S	8,04	8,04	361,34	6,73	2.305

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
31-3-S	16,08	16,08	721,64	14,01	3.090
31-4-S	24,13	24,13	1082,12	21,94	3.590
31-5-S	32,17	32,17	1442,92	30,76	4.010
31-6-S	40,21	40,21	1804,05	40,32	4.368
31-7-S	40,21	40,21	1804,76	41,64	4.384
31-8-S	40,21	40,21	1805,47	42,96	4.398
31-9-S	40,21	40,21	1806,41	44,71	4.426
31-10-S	40,21	40,21	1807,45	46,63	4.454
31-11-S	40,21	40,21	1808,51	48,61	4.488
31-12-S	40,21	40,21	1809,59	50,60	4.524
31-13-S	40,21	40,21	1810,78	52,83	4.594
31-14-S	40,21	40,21	1798,58	30,16	4.549
31-15-S	40,21	40,21	1798,49	30,00	4.375
31-16-S	40,21	40,21	1798,51	30,03	4.263
31-17-S	40,21	40,21	1798,68	30,35	4.225
31-18-S	40,21	40,21	1798,81	30,59	4.191
31-19-S	40,21	40,21	1798,66	30,32	4.106
31-20-S	40,21	40,21	1798,31	29,66	3.983
31-21-S	40,21	40,21	1787,70	9,95	3.810
31-22-S	40,21	40,21	1785,74	6,31	3.453
31-23-S	40,21	40,21	1784,18	3,42	3.099
31-24-S	40,21	40,21	1782,90	1,04	2.799
31-25-S	40,21	40,21	1781,91	-0,77	2.560
31-26-S	40,21	40,21	1781,34	-1,81	2.383
31-27-S	40,21	40,21	1782,80	0,85	2.296
31-28-S	40,21	40,21	1784,61	4,22	2.232
31-29-S	40,21	40,21	1786,38	7,50	2.178
31-30-S	40,21	40,21	1788,05	10,61	2.127
31-31-S	40,21	40,21	1787,67	9,89	2.130
31-32-S	40,21	40,21	1786,28	7,32	2.163
31-33-S	40,21	40,21	1784,85	4,66	2.192
31-34-S	40,21	40,21	1783,46	2,08	2.213
31-35-S	40,21	40,21	1782,31	-0,05	2.196
31-36-S	40,21	40,21	1781,22	-2,02	2.048
31-37-S	40,21	40,21	1780,06	-4,10	1.890
31-38-S	40,21	40,21	1779,02	-5,98	1.744
31-39-S	40,21	40,21	1778,15	-7,55	1.610
31-40-S	40,21	40,21	1778,07	-7,70	1.531
31-41-S	40,21	40,21	1779,40	-5,30	1.521
31-42-S	40,21	40,21	1780,72	-2,91	1.510
31-43-S	40,21	40,21	1782,00	-0,61	1.496
31-44-S	40,21	40,21	1782,92	1,07	1.485
31-45-S	40,21	40,21	1782,56	0,41	1.535
31-46-S	40,21	40,21	1781,98	-0,65	1.605
31-47-S	40,21	40,21	1781,28	-1,91	1.685
31-48-S	40,21	40,21	1780,51	-3,29	1.772
31-49-S	40,21	40,21	1779,67	-4,80	1.820
31-50-S	40,21	40,21	1778,79	-6,39	1.776
31-51-S	40,21	40,21	1778,04	-7,75	1.716
31-52-S	40,21	40,21	1777,43	-8,85	1.648
31-53-S	40,21	40,21	1776,96	-9,68	1.572
31-54-S	40,21	40,21	1776,62	-10,30	1.509
31-55-S	40,21	40,21	1776,42	-10,66	1.491
31-56-S	40,21	40,21	1776,31	-10,86	1.506
31-57-S	40,21	40,21	1776,19	-11,08	1.528
31-58-S	40,21	40,21	1775,99	-11,45	1.562
31-59-S	40,21	40,21	1775,76	-11,85	1.601
31-60-S	40,21	40,21	1775,58	-12,18	1.636
31-61-S	40,21	40,21	1775,44	-12,43	1.669
31-62-S	40,21	40,21	1775,25	-12,76	1.701
31-63-S	40,21	40,21	1775,03	-13,17	1.742
31-64-S	40,21	40,21	1774,79	-13,61	1.784
31-65-S	32,17	32,17	1420,16	-11,18	1.691
31-66-S	24,13	24,13	1065,52	-8,63	1.566
31-67-S	16,08	16,08	710,84	-5,90	1.385
31-68-S	8,04	8,04	356,05	-3,01	1.057
31-69-S	8,04	8,04	354,64	-3,06	2.140
32-1-S	16,08	16,08	716,54	8,72	6.885

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
32-2-S	16,08	16,08	718,32	9,29	3.456
32-3-S	24,13	24,13	1077,93	14,75	3.461
32-4-S	32,17	32,17	1437,70	20,75	3.521
32-5-S	40,21	40,21	1796,95	27,14	3.913
32-6-S	40,21	40,21	1797,38	27,94	3.912
32-7-S	40,21	40,21	1797,81	28,73	3.911
32-8-S	40,21	40,21	1798,23	29,51	3.906
32-9-S	40,21	40,21	1798,74	30,45	3.908
32-10-S	40,21	40,21	1799,73	32,30	3.979
32-11-S	40,21	40,21	1800,80	34,29	4.058
32-12-S	40,21	40,21	1801,97	36,46	4.147
32-13-S	40,21	40,21	1803,23	38,80	4.246
32-14-S	40,21	40,21	1804,01	40,25	4.271
32-15-S	40,21	40,21	1804,59	41,33	4.267
32-16-S	40,21	40,21	1805,03	42,15	4.246
32-17-S	40,21	40,21	1805,41	42,85	4.216
32-18-S	40,21	40,21	1805,70	43,38	4.174
32-19-S	40,21	40,21	1782,34	0,00	4.073
32-20-S	40,21	40,21	1792,73	19,30	4.074
32-21-S	40,21	40,21	1792,96	19,72	3.979
32-22-S	40,21	40,21	1793,15	20,08	3.926
32-23-S	40,21	40,21	1793,34	20,43	3.906
32-24-S	40,21	40,21	1793,53	20,79	3.890
32-25-S	40,21	40,21	1793,33	20,42	3.746
32-26-S	40,21	40,21	1792,61	19,07	3.437
32-27-S	40,21	40,21	1791,90	17,76	3.145
32-28-S	40,21	40,21	1791,24	16,53	2.877
32-29-S	40,21	40,21	1777,90	-7,99	2.623
32-30-S	40,21	40,21	1777,41	-8,88	2.400
32-31-S	40,21	40,21	1778,94	-6,12	2.273
32-32-S	40,21	40,21	1780,51	-3,30	2.160
32-33-S	40,21	40,21	1781,92	-0,75	2.055
32-34-S	40,21	40,21	1783,16	1,52	1.955
32-35-S	40,21	40,21	1784,30	3,64	1.869
32-36-S	40,21	40,21	1783,94	2,97	1.828
32-37-S	40,21	40,21	1783,45	2,06	1.788
32-38-S	40,21	40,21	1782,96	1,15	1.749
32-39-S	40,21	40,21	1782,49	0,28	1.710
32-40-S	40,21	40,21	1782,14	-0,35	1.637
32-41-S	40,21	40,21	1781,73	-1,09	1.545
32-42-S	40,21	40,21	1781,37	-1,75	1.461
32-43-S	40,21	40,21	1781,06	-2,31	1.385
32-44-S	40,21	40,21	1780,88	-2,63	1.320
32-45-S	40,21	40,21	1781,75	-1,06	1.305
32-46-S	40,21	40,21	1782,57	0,43	1.289
32-47-S	40,21	40,21	1783,37	1,90	1.273
32-48-S	40,21	40,21	1784,15	3,35	1.257
32-49-S	40,21	40,21	1784,81	4,58	1.247
32-50-S	40,21	40,21	1784,45	3,93	1.298
32-51-S	40,21	40,21	1783,98	3,04	1.353
32-52-S	40,21	40,21	1783,46	2,08	1.405
32-53-S	40,21	40,21	1782,92	1,07	1.453
32-54-S	40,21	40,21	1782,35	0,01	1.492
32-55-S	40,21	40,21	1781,72	-1,11	1.476
32-56-S	40,21	40,21	1781,12	-2,19	1.422
32-57-S	40,21	40,21	1780,57	-3,19	1.370
32-58-S	40,21	40,21	1780,21	-3,85	1.330
32-59-S	40,21	40,21	1780,05	-4,13	1.302
32-60-S	40,21	40,21	1780,08	-4,06	1.284
32-61-S	40,21	40,21	1779,99	-4,23	1.314
32-62-S	40,21	40,21	1779,33	-5,43	1.383
32-63-S	40,21	40,21	1778,76	-6,45	1.456
32-64-S	40,21	40,21	1778,22	-7,42	1.532
32-65-S	40,21	40,21	1777,83	-8,12	1.607
32-66-S	40,21	40,21	1777,45	-8,80	1.671
32-67-S	40,21	40,21	1776,74	-10,08	1.694
32-68-S	40,21	40,21	1776,04	-11,34	1.719
32-69-S	40,21	40,21	1775,36	-12,57	1.746

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
32-70-S	40,21	40,21	1774,68	-13,80	1.773
32-71-S	40,21	40,21	1774,54	-14,05	1.814
32-72-S	40,21	40,21	1774,40	-14,31	1.850
32-73-S	40,21	40,21	1774,19	-14,69	1.883
32-74-S	40,21	40,21	1773,97	-15,08	1.917
32-75-S	32,17	32,17	1419,68	-12,36	1.761
32-76-S	24,13	24,13	1064,77	-9,39	1.768
32-77-S	16,08	16,08	709,81	-6,33	1.802
32-78-S	8,04	8,04	354,89	-3,20	1.837
33-1-S	16,08	16,08	715,33	6,08	5.654
33-2-S	16,08	16,08	717,58	6,43	2.788
33-3-S	32,17	32,17	1433,32	13,48	3.651
33-4-S	40,21	40,21	1791,78	17,52	3.707
33-5-S	40,21	40,21	1792,07	18,06	3.660
33-6-S	40,21	40,21	1792,36	18,60	3.614
33-7-S	40,21	40,21	1792,64	19,12	3.569
33-8-S	40,21	40,21	1792,87	19,56	3.513
33-9-S	40,21	40,21	1793,16	20,09	3.469
33-10-S	40,21	40,21	1793,60	20,91	3.461
33-11-S	40,21	40,21	1794,05	21,74	3.451
33-12-S	40,21	40,21	1794,50	22,58	3.442
33-13-S	40,21	40,21	1794,99	23,50	3.440
33-14-S	40,21	40,21	1796,21	25,75	3.567
33-15-S	40,21	40,21	1797,97	29,02	3.802
33-16-S	40,21	40,21	-1785,71	6,31	4.061
33-17-S	40,21	40,21	-1780,53	-3,29	4.080
33-18-S	40,21	40,21	1800,26	33,28	3.941
33-19-S	40,21	40,21	1799,97	32,74	3.803
33-20-S	40,21	40,21	1799,74	32,31	3.681
33-21-S	40,21	40,21	1799,67	32,19	3.593
33-22-S	40,21	40,21	1800,63	33,96	3.681
33-23-S	40,21	40,21	1782,34	0,00	3.788
33-24-S	40,21	40,21	1782,34	0,00	3.739
33-25-S	40,21	40,21	1782,34	0,00	3.686
33-26-S	40,21	40,21	1782,34	0,00	3.628
33-27-S	40,21	40,21	1782,34	0,00	3.579
33-28-S	40,21	40,21	1788,51	11,45	3.394
33-29-S	40,21	40,21	1788,67	11,76	3.167
33-30-S	40,21	40,21	1788,78	11,97	2.969
33-31-S	40,21	40,21	1788,86	12,12	2.796
33-32-S	40,21	40,21	1788,88	12,14	2.641
33-33-S	40,21	40,21	1788,97	12,31	2.494
33-34-S	40,21	40,21	1777,77	-8,24	2.341
33-35-S	40,21	40,21	1778,54	-6,85	2.167
33-36-S	40,21	40,21	1779,35	-5,39	2.019
33-37-S	40,21	40,21	2027,79	-5,02	2.153
33-38-S	40,21	40,21	2028,91	-3,25	2.025
33-39-S	40,21	48,25	2033,43	-1,49	1.918
33-40-S	40,21	48,25	2033,51	-1,36	1.841
33-41-S	40,21	48,25	2033,62	-1,20	1.769
33-42-S	40,21	48,25	2033,95	-0,67	1.685
33-43-S	40,21	40,21	2030,93	-0,05	1.599
33-44-S	40,21	48,25	2034,68	0,50	1.523
33-45-S	40,21	48,25	2034,92	0,88	1.450
33-46-S	40,21	48,25	2034,95	0,93	1.383
33-47-S	40,21	48,25	2034,95	0,94	1.326
33-48-S	40,21	40,21	2032,19	2,00	1.302
33-49-S	40,21	40,21	2032,74	2,90	1.278
33-50-S	40,21	40,21	1783,89	2,88	1.099
33-51-S	40,21	40,21	1784,14	3,35	1.074
33-52-S	40,21	40,21	1784,30	3,65	1.048
33-53-S	40,21	40,21	1784,45	3,91	1.023
33-54-S	40,21	40,21	1784,37	3,76	1.023
33-55-S	40,21	40,21	1784,19	3,44	1.033
33-56-S	40,21	40,21	1784,08	3,22	1.042
33-57-S	40,21	40,21	1783,99	3,06	1.050
33-58-S	40,21	40,21	1783,94	2,97	1.058
33-59-S	40,21	40,21	1783,95	3,00	1.061

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
33-60-S	40,21	40,21	1784,29	3,62	1.065
33-61-S	40,21	40,21	1784,80	4,56	1.073
33-62-S	40,21	40,21	1785,31	5,52	1.082
33-63-S	40,21	40,21	1785,83	6,49	1.090
33-64-S	40,21	40,21	1786,32	7,40	1.099
33-65-S	40,21	40,21	1786,62	7,96	1.136
33-66-S	40,21	40,21	1786,15	7,08	1.226
33-67-S	40,21	40,21	1785,40	5,68	1.343
33-68-S	40,21	40,21	1784,42	3,86	1.492
33-69-S	40,21	40,21	1783,10	1,41	1.690
33-70-S	40,21	40,21	1780,81	-2,75	1.805
33-71-S	40,21	40,21	1777,82	-8,13	1.692
33-72-S	40,21	40,21	1775,53	-12,26	1.605
33-73-S	40,21	40,21	1774,13	-14,80	1.585
33-74-S	40,21	40,21	1774,26	-14,56	1.626
33-75-S	40,21	40,21	1774,60	-13,94	1.669
33-76-S	40,21	40,21	1774,96	-13,30	1.716
33-77-S	40,21	40,21	1775,28	-12,72	1.761
33-78-S	40,21	40,21	1774,88	-13,44	1.825
33-79-S	40,21	40,21	1774,53	-14,07	1.893
33-80-S	40,21	40,21	1774,46	-14,20	1.953
33-81-S	40,21	40,21	1774,48	-14,16	2.018
33-82-S	40,21	40,21	1774,50	-14,13	2.086
33-83-S	32,17	32,17	1419,76	-11,36	2.105
33-84-S	16,08	16,08	710,94	-5,71	1.654
33-85-S	8,04	8,04	355,47	-2,87	1.733
34-1-S	24,13	24,13	1071,31	6,63	7.154
34-2-S	24,13	24,13	1073,73	6,98	3.524
34-3-S	40,21	40,21	1788,77	12,14	3.935
34-4-S	40,21	40,21	1788,93	12,24	3.788
34-5-S	40,21	40,21	1788,99	12,36	3.697
34-6-S	40,21	40,21	1789,06	12,48	3.611
34-7-S	40,21	40,21	1789,21	12,76	3.544
34-8-S	40,21	40,21	1789,47	13,24	3.496
34-9-S	40,21	40,21	1789,60	13,48	3.395
34-10-S	40,21	40,21	1789,73	13,72	3.296
34-11-S	40,21	40,21	1789,85	13,95	3.202
34-12-S	40,21	40,21	1789,98	14,18	3.116
34-13-S	40,21	40,21	1790,16	14,52	3.048
34-14-S	40,21	40,21	1790,60	15,34	3.033
34-15-S	40,21	40,21	1791,09	16,25	3.023
34-16-S	40,21	40,21	1791,59	17,19	3.008
34-17-S	40,21	40,21	1792,09	18,11	2.992
34-18-S	40,21	40,21	1792,89	19,60	3.051
34-19-S	40,21	40,21	1793,72	21,13	3.134
34-20-S	40,21	40,21	1794,30	22,20	3.174
34-21-S	40,21	40,21	1794,83	23,19	3.200
34-22-S	40,21	40,21	1795,19	23,87	3.192
34-23-S	40,21	40,21	1795,56	24,56	3.184
34-24-S	40,21	40,21	1796,32	25,96	3.247
34-25-S	40,21	40,21	1797,15	27,50	3.319
34-26-S	40,21	40,21	1798,00	29,08	3.391
34-27-S	40,21	40,21	1782,34	0,00	3.234
34-28-S	40,21	40,21	2030,96	0,00	3.542
34-29-S	40,21	48,25	2034,37	0,00	3.453
34-30-S	40,21	48,25	2283,40	0,00	3.753
34-31-S	40,21	56,30	2286,36	0,00	3.641
34-32-S	40,21	56,30	2535,71	0,00	3.918
34-33-S	40,21	56,30	2535,71	0,00	3.806
34-34-S	40,21	56,30	2785,05	0,00	4.066
34-35-S	40,21	56,30	2785,05	0,00	3.964
34-36-S	40,21	56,30	3034,38	0,00	4.230
34-37-S	40,21	48,25	3014,88	-16,64	3.908
34-38-S	40,21	56,30	3021,77	-13,37	3.596
34-39-S	40,21	48,25	3020,40	-10,76	3.340
34-40-S	40,21	48,25	3022,52	-8,50	3.114
34-41-S	40,21	48,25	3024,34	-6,57	2.892
34-42-S	40,21	40,21	3021,10	-4,94	2.662

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
34-43-S	40,21	40,21	3022,38	-3,58	2.453
34-44-S	40,21	40,21	3023,52	-2,35	2.285
34-45-S	40,21	40,21	3024,62	-1,17	2.161
34-46-S	40,21	40,21	3025,70	-0,02	2.068
34-47-S	40,21	40,21	3026,58	0,95	1.975
34-48-S	40,21	40,21	3027,30	1,75	1.879
34-49-S	40,21	40,21	3027,86	2,37	1.782
34-50-S	40,21	40,21	3028,33	2,89	1.688
34-51-S	40,21	48,25	3033,65	3,45	1.621
34-52-S	40,21	48,25	3034,28	4,15	1.585
34-53-S	40,21	48,25	3034,91	4,84	1.554
34-54-S	40,21	56,30	3039,44	5,54	1.523
34-55-S	40,21	48,25	3036,16	6,22	1.486
34-56-S	40,21	56,30	3040,70	6,92	1.451
34-57-S	40,21	56,30	2762,62	6,35	1.286
34-58-S	40,21	56,30	2763,46	7,36	1.288
34-59-S	40,21	56,30	2485,46	6,88	1.164
34-60-S	40,21	56,30	2416,49	7,47	1.136
34-61-S	48,25	56,30	2518,98	7,72	1.188
34-62-S	48,25	48,25	2515,30	8,37	1.190
34-63-S	48,25	48,25	2307,21	7,35	1.095
34-64-S	48,25	40,21	2302,99	8,44	1.104
34-65-S	48,25	40,21	2137,06	8,02	1.050
34-66-S	48,25	40,21	2137,74	9,29	1.085
34-67-S	48,25	40,21	2138,49	10,68	1.133
34-68-S	48,25	40,21	2139,29	12,19	1.185
34-69-S	40,21	40,21	1788,51	11,45	1.039
34-70-S	40,21	40,21	1788,39	11,24	1.110
34-71-S	40,21	40,21	1787,54	9,66	1.186
34-72-S	40,21	40,21	1786,44	7,61	1.256
34-73-S	40,21	40,21	1785,16	5,23	1.325
34-74-S	40,21	40,21	1783,64	2,41	1.345
34-75-S	40,21	40,21	1782,39	0,10	1.348
34-76-S	40,21	40,21	1781,94	-0,72	1.402
34-77-S	40,21	40,21	1781,46	-1,58	1.458
34-78-S	40,21	40,21	1781,33	-1,83	1.509
34-79-S	40,21	40,21	1781,68	-1,19	1.562
34-80-S	40,21	40,21	1781,26	-1,95	1.642
34-81-S	40,21	40,21	1780,47	-3,38	1.741
34-82-S	40,21	40,21	1779,56	-5,01	1.854
34-83-S	40,21	40,21	1778,52	-6,87	1.982
34-84-S	40,21	40,21	1777,55	-8,62	2.119
34-85-S	40,21	40,21	1776,87	-9,86	2.188
34-86-S	40,21	40,21	1776,27	-10,94	2.269
34-87-S	40,21	40,21	1775,81	-11,77	2.370
34-88-S	40,21	40,21	1775,31	-12,67	2.483
34-89-S	40,21	40,21	1774,72	-13,52	2.633
34-90-S	24,13	24,13	1065,33	-8,38	2.413
34-91-S	8,04	8,04	355,91	-2,88	1.679
35-1-S	32,17	32,17	1426,64	5,71	7.993
35-2-S	32,17	32,17	1429,48	6,37	3.943
35-3-S	40,21	40,21	1786,81	8,30	3.957
35-4-S	40,21	40,21	1786,81	8,29	3.869
35-5-S	40,21	40,21	1786,80	8,29	3.785
35-6-S	40,21	40,21	1786,81	8,31	3.697
35-7-S	40,21	40,21	1786,88	8,44	3.604
35-8-S	40,21	40,21	1787,23	9,08	3.567
35-9-S	40,21	40,21	1787,66	9,88	3.548
35-10-S	40,21	40,21	1788,08	10,66	3.530
35-11-S	40,21	40,21	1788,58	11,59	3.541
35-12-S	40,21	40,21	1788,54	11,51	3.367
35-13-S	40,21	40,21	1788,35	11,17	3.162
35-14-S	40,21	40,21	1788,15	10,79	2.968
35-15-S	40,21	40,21	1787,94	10,41	2.790
35-16-S	40,21	40,21	1788,16	10,80	2.700
35-17-S	40,21	40,21	1788,68	11,77	2.667
35-18-S	40,21	40,21	1789,15	12,64	2.635
35-19-S	40,21	40,21	1789,59	13,46	2.608

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
35-20-S	40,21	40,21	1789,98	14,19	2.588
35-21-S	40,21	40,21	1790,28	14,74	2.565
35-22-S	40,21	40,21	1790,56	15,27	2.540
35-23-S	40,21	40,21	1790,87	15,83	2.523
35-24-S	40,21	40,21	1791,23	16,50	2.522
35-25-S	40,21	48,25	2048,08	22,27	2.899
35-26-S	40,21	48,25	2303,98	29,88	3.343
35-27-S	40,21	56,30	2565,73	39,19	3.817
35-28-S	40,21	64,34	2570,45	41,74	3.922
35-29-S	40,21	72,38	2835,71	53,66	4.440
35-30-S	40,21	72,38	3040,11	0,00	4.785
35-31-S	40,21	64,34	3037,53	0,00	4.579
35-32-S	40,21	56,30	3034,38	0,00	4.426
35-33-S	40,21	48,25	3030,51	0,00	4.283
35-34-S	40,21	40,21	3025,72	0,00	4.152
35-35-S	40,21	40,21	3025,72	0,00	4.038
35-36-S	40,21	40,21	3025,72	0,00	3.936
35-37-S	40,21	40,21	3025,72	0,00	3.855
35-38-S	40,21	40,21	3025,72	0,00	3.782
35-39-S	40,21	40,21	3025,72	0,00	3.712
35-40-S	40,21	40,21	3025,72	0,00	3.644
35-41-S	40,21	40,21	3013,26	-13,32	3.392
35-42-S	40,21	40,21	3016,42	-9,95	3.049
35-43-S	40,21	40,21	3018,82	-7,38	2.763
35-44-S	40,21	40,21	3020,47	-5,61	2.541
35-45-S	40,21	40,21	3021,65	-4,36	2.360
35-46-S	40,21	40,21	3022,72	-3,21	2.195
35-47-S	40,21	40,21	3023,89	-1,96	2.035
35-48-S	40,21	40,21	3025,15	-0,61	1.878
35-49-S	40,21	40,21	3026,19	0,52	1.747
35-50-S	40,21	40,21	3026,82	1,21	1.655
35-51-S	40,21	40,21	3027,29	1,73	1.579
35-52-S	40,21	40,21	3027,77	2,27	1.505
35-53-S	40,21	40,21	3028,33	2,89	1.431
35-54-S	40,21	40,21	3028,96	3,58	1.358
35-55-S	40,21	40,21	3029,57	4,27	1.304
35-56-S	40,21	40,21	3030,05	4,80	1.274
35-57-S	40,21	40,21	3030,54	5,34	1.244
35-58-S	40,21	40,21	3031,00	5,85	1.214
35-59-S	40,21	40,21	3031,48	6,38	1.186
35-60-S	40,21	40,21	3032,03	6,99	1.157
35-61-S	40,21	40,21	3032,82	7,86	1.157
35-62-S	40,21	40,21	3033,72	8,86	1.161
35-63-S	40,21	40,21	3034,70	9,94	1.164
35-64-S	40,21	48,25	3040,60	11,11	1.169
35-65-S	40,21	56,30	3045,60	12,29	1.173
35-66-S	40,21	64,34	3049,92	13,51	1.180
35-67-S	40,21	72,38	3054,11	15,21	1.222
35-68-S	40,21	72,38	2802,46	14,38	1.161
35-69-S	40,21	64,34	2548,59	13,34	1.094
35-70-S	40,21	56,30	2547,09	14,86	1.134
35-71-S	40,21	48,25	2292,69	13,48	1.058
35-72-S	48,25	48,25	2444,28	14,37	1.171
35-73-S	48,25	40,21	2138,41	10,54	1.074
35-74-S	48,25	40,21	2138,35	10,42	1.132
35-75-S	40,21	40,21	1787,41	9,41	1.004
35-76-S	40,21	40,21	1788,06	10,63	1.069
35-77-S	40,21	40,21	1788,75	11,91	1.140
35-78-S	40,21	40,21	1789,09	12,53	1.199
35-79-S	40,21	40,21	1789,37	13,06	1.259
35-80-S	40,21	40,21	1789,78	13,81	1.331
35-81-S	40,21	40,21	1790,24	14,67	1.414
35-82-S	40,21	40,21	1789,95	14,13	1.531
35-83-S	40,21	40,21	1788,40	11,25	1.707
35-84-S	40,21	40,21	1786,71	8,12	1.921
35-85-S	40,21	40,21	1784,84	4,65	2.175
35-86-S	40,21	40,21	1782,49	0,28	2.421
35-87-S	40,21	40,21	1780,02	-4,18	2.424

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
35-88-S	40,21	40,21	1778,59	-6,76	2.479
35-89-S	40,21	40,21	1777,06	-9,50	2.536
35-90-S	40,21	40,21	1775,79	-11,81	2.610
35-91-S	40,21	40,21	1775,54	-12,25	2.714
35-92-S	40,21	40,21	1775,31	-12,67	2.798
35-93-S	40,21	40,21	1775,01	-13,20	2.878
35-94-S	40,21	40,21	1774,70	-13,76	2.964
35-95-S	32,17	32,17	1419,77	-11,30	3.011
35-96-S	16,08	16,08	709,94	-5,63	3.177
36-1-S	32,17	32,17	1425,44	2,77	6.775
36-2-S	32,17	32,17	1428,74	3,09	3.579
36-3-S	40,21	40,21	1784,47	3,95	4.116
36-4-S	40,21	40,21	1784,48	3,97	3.983
36-5-S	40,21	40,21	1784,50	4,01	3.862
36-6-S	40,21	40,21	1784,57	4,14	3.769
36-7-S	40,21	40,21	1784,69	4,37	3.664
36-8-S	40,21	40,21	1784,83	4,62	3.554
36-9-S	40,21	40,21	1784,96	4,87	3.452
36-10-S	40,21	40,21	1785,11	5,15	3.350
36-11-S	40,21	40,21	1785,48	5,83	3.274
36-12-S	40,21	40,21	1786,09	6,96	3.313
36-13-S	40,21	40,21	1786,80	8,29	3.394
36-14-S	40,21	40,21	1786,91	8,49	3.276
36-15-S	40,21	40,21	1786,69	8,08	3.049
36-16-S	40,21	40,21	1786,46	7,65	2.819
36-17-S	40,21	40,21	1786,23	7,23	2.599
36-18-S	40,21	40,21	1786,30	7,35	2.454
36-19-S	40,21	40,21	1786,48	7,69	2.349
36-20-S	40,21	40,21	1786,71	8,11	2.268
36-21-S	40,21	40,21	1786,98	8,61	2.207
36-22-S	40,21	40,21	1787,28	9,18	2.170
36-23-S	40,21	40,21	2038,53	12,37	2.460
36-24-S	40,21	56,30	2297,65	16,30	2.750
36-25-S	40,21	64,34	2554,46	20,96	3.029
36-26-S	40,21	72,38	2812,67	26,44	3.299
36-27-S	40,21	80,42	3072,51	32,78	3.561
36-28-S	40,21	72,38	3072,26	34,93	3.601
36-29-S	40,21	56,30	3068,92	37,85	3.694
36-30-S	40,21	48,25	3067,63	40,88	3.790
36-31-S	40,21	40,21	-2977,43	-51,88	3.602
36-32-S	40,21	40,21	-2980,72	-48,34	3.515
36-33-S	40,21	40,21	-2982,90	-46,00	3.494
36-34-S	40,21	40,21	-2983,94	-44,88	3.584
36-35-S	40,21	40,21	-2984,90	-43,85	3.655
36-36-S	40,21	40,21	-2985,61	-43,08	3.701
36-37-S	40,21	40,21	3025,72	0,00	3.692
36-38-S	40,21	40,21	3025,72	0,00	3.602
36-39-S	40,21	40,21	3025,72	0,00	3.527
36-40-S	40,21	40,21	3025,72	0,00	3.454
36-41-S	40,21	40,21	3025,72	0,00	3.386
36-42-S	40,21	40,21	3025,72	0,00	3.325
36-43-S	40,21	40,21	3025,72	0,00	3.280
36-44-S	40,21	40,21	3007,49	-19,49	3.162
36-45-S	40,21	40,21	3011,35	-15,35	2.835
36-46-S	40,21	40,21	3014,60	-11,88	2.554
36-47-S	40,21	40,21	3017,76	-8,51	2.295
36-48-S	40,21	40,21	3020,53	-5,55	2.073
36-49-S	40,21	40,21	3022,59	-3,35	1.897
36-50-S	40,21	40,21	3024,04	-1,80	1.759
36-51-S	40,21	40,21	3025,36	-0,39	1.633
36-52-S	40,21	40,21	3026,70	1,09	1.512
36-53-S	40,21	40,21	3027,98	2,50	1.401
36-54-S	40,21	40,21	3028,97	3,59	1.319
36-55-S	40,21	40,21	3029,67	4,37	1.258
36-56-S	40,21	40,21	3030,33	5,10	1.195
36-57-S	40,21	40,21	3031,00	5,84	1.131
36-58-S	40,21	40,21	3031,68	6,60	1.073
36-59-S	40,21	40,21	3032,24	7,21	1.041

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
36-60-S	40,21	40,21	3032,75	7,79	1.017
36-61-S	48,25	40,21	3630,62	10,04	1.189
36-62-S	48,25	40,21	3631,24	10,73	1.162
36-63-S	48,25	40,21	3631,84	11,39	1.135
36-64-S	48,25	40,21	3632,35	11,96	1.138
36-65-S	48,25	40,21	3632,86	12,53	1.143
36-66-S	48,25	40,21	3633,41	13,15	1.148
36-67-S	48,25	40,21	3634,03	13,83	1.153
36-68-S	48,25	40,21	3634,76	14,65	1.157
36-69-S	48,25	40,21	3635,62	15,60	1.183
36-70-S	40,21	40,21	3038,45	14,10	1.020
36-71-S	40,21	40,21	3039,65	15,43	1.052
36-72-S	40,21	48,25	3046,03	17,09	1.086
36-73-S	40,21	56,30	3051,66	18,93	1.122
36-74-S	40,21	72,38	3059,40	20,95	1.163
36-75-S	40,21	80,42	3064,05	23,62	1.228
36-76-S	40,21	72,38	2809,43	22,61	1.197
36-77-S	40,21	64,34	2554,58	21,12	1.158
36-78-S	40,21	56,30	2299,65	19,19	1.108
36-79-S	40,21	40,21	2041,25	16,82	1.046
36-80-S	48,25	40,21	2141,85	16,97	1.168
36-81-S	40,21	40,21	1791,00	16,09	1.045
36-82-S	40,21	40,21	1792,28	18,45	1.131
36-83-S	40,21	40,21	1793,79	21,27	1.235
36-84-S	40,21	40,21	1795,64	24,70	1.366
36-85-S	40,21	40,21	1797,37	27,92	1.538
36-86-S	40,21	40,21	1797,45	28,07	1.803
36-87-S	40,21	40,21	1797,12	27,44	2.123
36-88-S	40,21	40,21	1796,15	25,64	2.492
36-89-S	40,21	40,21	1792,53	18,92	2.702
36-90-S	40,21	40,21	1785,52	5,91	2.542
36-91-S	40,21	40,21	1780,10	-4,04	2.459
36-92-S	40,21	40,21	1777,58	-8,57	2.548
36-93-S	40,21	40,21	1777,36	-8,98	2.663
36-94-S	40,21	40,21	1777,49	-8,74	2.783
36-95-S	40,21	40,21	1777,63	-8,49	2.917
36-96-S	40,21	40,21	1777,48	-8,75	3.051
36-97-S	40,21	40,21	1776,67	-10,21	3.189
36-98-S	40,21	40,21	1776,41	-10,69	3.364
36-99-S	40,21	40,21	1776,29	-10,90	3.563
36-100-S	32,17	32,17	1422,17	-8,85	3.192
36-101-S	16,08	16,08	711,49	-4,36	3.199
37-1-S	40,21	40,21	1780,81	1,99	8.177
37-2-S	40,21	40,21	1783,34	1,85	4.747
37-3-S	40,21	40,21	1782,99	1,20	4.539
37-4-S	40,21	40,21	1782,68	0,64	4.354
37-5-S	40,21	40,21	1782,53	0,35	4.193
37-6-S	40,21	40,21	1782,59	0,47	4.061
37-7-S	40,21	40,21	1782,71	0,68	3.952
37-8-S	40,21	40,21	1782,82	0,88	3.850
37-9-S	40,21	40,21	1782,96	1,15	3.752
37-10-S	40,21	40,21	1783,19	1,57	3.605
37-11-S	40,21	40,21	1783,52	2,20	3.418
37-12-S	40,21	40,21	1783,87	2,84	3.223
37-13-S	40,21	40,21	1784,18	3,42	3.046
37-14-S	40,21	40,21	1784,49	3,99	2.906
37-15-S	40,21	40,21	1784,76	4,49	2.808
37-16-S	40,21	40,21	1784,78	4,53	2.670
37-17-S	40,21	40,21	1784,81	4,59	2.558
37-18-S	40,21	40,21	1784,86	4,68	2.455
37-19-S	40,21	40,21	1784,95	4,84	2.351
37-20-S	40,21	40,21	1785,12	5,16	2.235
37-21-S	40,21	40,21	1785,27	5,44	2.128
37-22-S	40,21	48,25	2038,83	7,23	2.314
37-23-S	40,21	64,34	2546,92	11,16	2.744
37-24-S	40,21	72,38	3054,86	16,02	3.132
37-25-S	40,21	80,42	3057,63	16,67	3.068
37-26-S	40,21	72,38	3056,42	17,71	3.040

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
37-27-S	40,21	56,30	3051,46	18,71	3.008
37-28-S	40,21	48,25	3048,23	19,51	2.979
37-29-S	40,21	40,21	-2970,09	-59,76	2.864
37-30-S	40,21	40,21	-2972,37	-57,30	2.781
37-31-S	40,21	40,21	-2974,17	-55,37	2.708
37-32-S	40,21	40,21	-2975,68	-53,75	2.626
37-33-S	40,21	40,21	-2977,16	-52,17	2.545
37-34-S	40,21	40,21	-2978,54	-50,68	2.464
37-35-S	40,21	40,21	-2978,90	-50,29	2.511
37-36-S	40,21	40,21	-2979,39	-49,77	2.545
37-37-S	40,21	40,21	-2980,11	-48,99	2.562
37-38-S	40,21	40,21	-2981,03	-48,00	2.560
37-39-S	40,21	40,21	-2981,34	-47,67	2.660
37-40-S	40,21	40,21	-2981,44	-47,56	2.815
37-41-S	40,21	40,21	-2981,64	-47,35	2.957
37-42-S	40,21	40,21	-2981,93	-47,05	3.091
37-43-S	40,21	40,21	3025,72	0,00	3.099
37-44-S	40,21	40,21	3025,72	0,00	3.054
37-45-S	40,21	40,21	3025,72	0,00	3.011
37-46-S	40,21	40,21	3025,72	0,00	2.971
37-47-S	40,21	40,21	3004,36	-22,83	2.628
37-48-S	40,21	40,21	3010,38	-16,39	2.309
37-49-S	40,21	40,21	3014,71	-11,77	2.061
37-50-S	40,21	40,21	3018,33	-7,90	1.854
37-51-S	40,21	40,21	3021,76	-4,23	1.667
37-52-S	40,21	40,21	3024,67	-1,13	1.508
37-53-S	40,21	40,21	3026,66	1,04	1.385
37-54-S	40,21	40,21	3028,29	2,84	1.284
37-55-S	40,21	40,21	3029,86	4,58	1.189
37-56-S	40,21	40,21	3031,28	6,16	1.097
37-57-S	40,21	40,21	3032,35	7,34	1.024
37-58-S	56,30	40,21	4224,88	11,52	1.350
37-59-S	56,30	40,21	4226,02	12,80	1.281
37-60-S	56,30	40,21	4227,15	14,05	1.218
37-61-S	56,30	40,21	4228,11	15,13	1.177
37-62-S	56,30	40,21	4228,91	16,03	1.151
37-63-S	56,30	40,21	4229,72	16,94	1.127
37-64-S	56,30	40,21	4230,57	17,89	1.102
37-65-S	56,30	40,21	4231,34	18,74	1.089
37-66-S	56,30	40,21	4232,02	19,51	1.095
37-67-S	56,30	40,21	4232,72	20,29	1.101
37-68-S	56,30	40,21	4233,45	21,11	1.105
37-69-S	56,30	40,21	4234,22	21,97	1.110
37-70-S	56,30	40,21	4234,92	22,75	1.138
37-71-S	56,30	40,21	4235,68	23,61	1.172
37-72-S	56,30	40,21	4236,53	24,56	1.207
37-73-S	56,30	40,21	4237,42	25,56	1.244
37-74-S	56,30	40,21	4238,42	26,68	1.284
37-75-S	56,30	40,21	4239,67	28,08	1.344
37-76-S	40,21	40,21	3045,35	21,74	1.020
37-77-S	40,21	48,25	3052,32	24,02	1.080
37-78-S	40,21	56,30	3058,91	26,87	1.144
37-79-S	40,21	72,38	3067,81	30,09	1.217
37-80-S	40,21	80,42	3073,36	33,70	1.297
37-81-S	40,21	72,38	3074,97	37,87	1.401
37-82-S	40,21	64,34	2561,55	30,17	1.280
37-83-S	40,21	48,25	2048,15	22,39	1.130
37-84-S	40,21	40,21	1793,12	20,03	1.098
37-85-S	40,21	40,21	1794,99	23,50	1.232
37-86-S	40,21	40,21	1797,37	27,92	1.404
37-87-S	40,21	40,21	1798,35	29,73	1.587
37-88-S	40,21	40,21	1798,36	29,76	1.780
37-89-S	40,21	40,21	1798,06	29,20	1.993
37-90-S	40,21	40,21	1797,80	28,72	2.213
37-91-S	40,21	40,21	1795,74	24,89	2.341
37-92-S	40,21	40,21	1794,19	22,01	2.507
37-93-S	40,21	40,21	1792,94	19,70	2.726
37-94-S	40,21	40,21	1791,38	16,80	2.976

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
37-95-S	40,21	40,21	1790,22	14,64	3.226
37-96-S	40,21	40,21	1790,14	14,48	3.443
37-97-S	40,21	40,21	1789,10	12,55	3.647
37-98-S	40,21	40,21	1787,16	8,94	3.882
37-99-S	40,21	40,21	1782,59	0,46	4.057
37-100-S	40,21	40,21	1782,52	0,34	4.190
37-101-S	40,21	40,21	1782,67	0,62	4.352
37-102-S	40,21	40,21	1782,98	1,19	4.538
37-103-S	40,21	40,21	1783,33	1,83	4.747
37-104-S	24,13	24,13	1070,14	1,18	4.914
38-1-S	40,21	40,21	1780,90	1,16	8.076
38-2-S	40,21	40,21	1782,84	0,93	5.500
38-3-S	40,21	40,21	1782,60	0,49	5.326
38-4-S	40,21	40,21	1782,37	0,06	5.161
38-5-S	40,21	40,21	1782,13	-0,38	4.991
38-6-S	40,21	40,21	1781,99	-0,63	4.880
38-7-S	40,21	40,21	1781,97	-0,67	4.778
38-8-S	40,21	40,21	1781,94	-0,72	4.666
38-9-S	40,21	40,21	1781,90	-0,79	4.558
38-10-S	40,21	40,21	1781,85	-0,88	4.471
38-11-S	40,21	40,21	1782,10	-0,42	4.100
38-12-S	40,21	40,21	1782,50	0,29	3.628
38-13-S	40,21	40,21	1782,84	0,93	3.294
38-14-S	40,21	40,21	1783,18	1,55	3.063
38-15-S	40,21	40,21	1783,51	2,17	2.899
38-16-S	40,21	40,21	1783,71	2,54	2.725
38-17-S	40,21	40,21	1783,84	2,78	2.553
38-18-S	40,21	40,21	1783,95	2,98	2.399
38-19-S	40,21	40,21	1784,04	3,16	2.263
38-20-S	40,21	40,21	1784,12	3,31	2.151
38-21-S	40,21	48,25	2287,13	5,43	2.630
38-22-S	40,21	64,34	2794,86	8,21	3.046
38-23-S	40,21	80,42	3051,28	9,80	3.152
38-24-S	40,21	80,42	3051,11	9,61	2.994
38-25-S	40,21	72,38	3048,80	9,44	2.851
38-26-S	40,21	56,30	3042,84	9,27	2.717
38-27-S	40,21	40,21	3034,06	9,24	2.623
38-28-S	40,21	40,21	-2962,04	-68,40	2.510
38-29-S	40,21	40,21	-2963,96	-66,35	2.370
38-30-S	40,21	40,21	-2965,60	-64,58	2.249
38-31-S	40,21	40,21	-2967,31	-62,75	2.126
38-32-S	40,21	40,21	-2968,92	-61,02	2.054
38-33-S	40,21	40,21	-2970,64	-59,16	1.978
38-34-S	40,21	40,21	-2972,45	-57,22	1.894
38-35-S	40,21	40,21	-2974,23	-55,31	1.807
38-36-S	40,21	40,21	-2975,27	-54,19	1.771
38-37-S	40,21	40,21	-2975,67	-53,76	1.781
38-38-S	40,21	40,21	-2976,26	-53,13	1.777
38-39-S	40,21	40,21	-2976,97	-52,37	1.760
38-40-S	40,21	40,21	-2976,89	-52,45	1.799
38-41-S	40,21	40,21	-2976,27	-53,12	1.887
38-42-S	40,21	40,21	-2976,72	-52,64	1.964
38-43-S	40,21	40,21	-2978,05	-51,20	2.049
38-44-S	40,21	40,21	-2978,98	-50,21	2.234
38-45-S	40,21	40,21	-2981,28	-47,74	2.429
38-46-S	40,21	40,21	-2984,26	-44,54	2.650
38-47-S	40,21	40,21	3492,23	0,00	3.222
38-48-S	40,21	48,25	3497,54	0,00	3.191
38-49-S	40,21	48,25	3920,70	-35,87	3.208
38-50-S	40,21	56,30	3940,71	-23,39	2.758
38-51-S	40,21	56,30	3952,10	-14,13	2.384
38-52-S	40,21	48,25	4419,17	-9,28	2.338
38-53-S	40,21	48,25	4426,21	-4,13	2.085
38-54-S	40,21	40,21	4426,05	0,30	1.888
38-55-S	40,21	48,25	4436,96	3,87	1.721
38-56-S	40,21	48,25	4336,41	6,52	1.533
38-57-S	40,21	56,30	3978,97	8,00	1.282
38-58-S	40,21	56,30	3981,86	10,44	1.172

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
38-59-S	40,21	48,25	3979,38	12,47	1.076
38-60-S	64,34	48,25	5579,34	19,11	1.425
38-61-S	64,34	40,21	5570,40	22,75	1.357
38-62-S	64,34	40,21	4822,15	19,64	1.123
38-63-S	64,34	40,21	4824,24	21,99	1.087
38-64-S	64,34	40,21	4826,40	24,42	1.065
38-65-S	64,34	40,21	4828,15	26,39	1.042
38-66-S	64,34	40,21	4829,64	28,07	1.021
38-67-S	64,34	40,21	4830,66	29,21	1.025
38-68-S	64,34	40,21	4831,36	29,99	1.030
38-69-S	64,34	40,21	4832,10	30,83	1.035
38-70-S	64,34	40,21	4832,88	31,70	1.043
38-71-S	64,34	40,21	4833,67	32,59	1.075
38-72-S	64,34	40,21	4834,56	33,60	1.109
38-73-S	64,34	40,21	4835,51	34,67	1.145
38-74-S	64,34	40,21	4836,54	35,82	1.181
38-75-S	64,34	40,21	4837,59	37,00	1.232
38-76-S	64,34	40,21	4838,73	38,29	1.299
38-77-S	64,34	40,21	4840,02	39,74	1.370
38-78-S	64,34	40,21	4841,46	41,36	1.449
38-79-S	64,34	40,21	4843,08	43,18	1.537
38-80-S	40,21	40,21	3051,72	28,80	1.031
38-81-S	40,21	40,21	3053,74	31,04	1.108
38-82-S	40,21	56,30	3065,86	34,49	1.201
38-83-S	40,21	72,38	3075,65	38,61	1.308
38-84-S	40,21	80,42	3082,39	43,48	1.433
38-85-S	40,21	80,42	3087,79	49,33	1.584
38-86-S	40,21	64,34	2828,12	47,65	1.616
38-87-S	40,21	48,25	2309,09	37,29	1.483
38-88-S	40,21	40,21	1795,84	25,08	1.289
38-89-S	40,21	40,21	1797,35	27,87	1.458
38-90-S	40,21	40,21	1799,80	32,42	1.689
38-91-S	40,21	40,21	1803,40	39,11	2.011
38-92-S	40,21	40,21	1807,53	46,79	2.384
38-93-S	40,21	40,21	1810,10	51,55	2.672
38-94-S	40,21	40,21	1810,29	51,91	2.921
38-95-S	40,21	40,21	1810,28	51,89	3.267
38-96-S	40,21	40,21	1782,50	0,30	3.626
38-97-S	40,21	40,21	1782,11	-0,42	4.098
38-98-S	40,21	40,21	1781,85	-0,88	4.468
38-99-S	40,21	40,21	1781,90	-0,80	4.557
38-100-S	40,21	40,21	1781,93	-0,73	4.667
38-101-S	40,21	40,21	1781,97	-0,68	4.781
38-102-S	40,21	40,21	1781,98	-0,64	4.885
38-103-S	40,21	40,21	1782,12	-0,39	4.997
38-104-S	40,21	40,21	1782,37	0,05	5.167
38-105-S	40,21	40,21	1782,60	0,47	5.331
38-106-S	40,21	40,21	1782,83	0,92	5.504
38-107-S	24,13	24,13	1070,67	0,69	4.859
39-1-S	40,21	40,21	1781,89	-0,70	6.731
39-2-S	40,21	40,21	1781,75	-1,06	6.320
39-3-S	40,21	40,21	1781,55	-1,42	6.024
39-4-S	40,21	40,21	1781,35	-1,79	5.775
39-5-S	40,21	40,21	1781,15	-2,14	5.568
39-6-S	40,21	40,21	1781,01	-2,39	5.466
39-7-S	40,21	40,21	1780,96	-2,49	5.488
39-8-S	40,21	40,21	1780,91	-2,58	5.517
39-9-S	40,21	40,21	1780,85	-2,68	5.552
39-10-S	40,21	40,21	1780,80	-2,77	5.564
39-11-S	40,21	40,21	1780,91	-2,57	5.408
39-12-S	40,21	40,21	1781,49	-1,53	4.797
39-13-S	40,21	40,21	1782,01	-0,59	4.194
39-14-S	40,21	40,21	1782,42	0,15	3.692
39-15-S	40,21	40,21	1782,73	0,72	3.281
39-16-S	40,21	40,21	1782,81	0,88	2.947
39-17-S	40,21	40,21	1782,86	0,96	2.699
39-18-S	40,21	40,21	1782,97	1,16	2.515
39-19-S	40,21	40,21	1783,11	1,43	2.371

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
39-20-S	40,21	40,21	2032,22	2,06	2.554
39-21-S	40,21	64,34	2791,24	3,92	3.299
39-22-S	40,21	80,42	3046,28	4,38	3.374
39-23-S	40,21	80,42	3045,86	3,93	3.170
39-24-S	40,21	80,42	3045,49	3,52	2.989
39-25-S	40,21	56,30	3037,34	3,24	2.825
39-26-S	40,21	40,21	3028,53	3,11	2.683
39-27-S	40,21	40,21	-2945,44	-86,24	2.523
39-28-S	40,21	40,21	-2950,02	-81,32	2.334
39-29-S	40,21	40,21	-2953,71	-77,35	2.153
39-30-S	40,21	40,21	-2957,22	-73,59	1.982
39-31-S	40,21	40,21	-2960,45	-70,11	1.823
39-32-S	40,21	40,21	-2963,29	-67,06	1.684
39-33-S	40,21	40,21	-2965,61	-64,57	1.576
39-34-S	40,21	40,21	-2967,45	-62,59	1.507
39-35-S	40,21	40,21	-2969,29	-60,62	1.430
39-36-S	40,21	40,21	-2971,08	-58,69	1.349
39-37-S	40,21	40,21	-2972,68	-56,98	1.271
39-38-S	40,21	40,21	-2973,24	-56,37	1.255
39-39-S	40,21	40,21	-2974,95	-54,54	1.240
39-40-S	40,21	40,21	-2978,13	-51,13	1.213
39-41-S	40,21	56,30	-4153,60	-66,18	1.696
39-42-S	40,21	56,30	-4748,87	-80,91	2.016
39-43-S	40,21	72,38	-7026,05	-126,63	3.095
39-44-S	40,21	80,42	-8629,70	-158,66	4.035
39-45-S	64,34	96,51	-11381,25	-214,86	5.822
39-46-S	64,34	104,55	-13398,17	-250,77	7.484
39-47-S	64,34	96,51	8595,36	0,00	7.591
39-48-S	64,34	88,47	8588,31	0,00	7.495
39-49-S	64,34	80,42	8580,34	0,00	7.404
39-50-S	64,34	64,34	8561,12	0,00	7.319
39-51-S	64,34	56,30	8441,54	-65,78	6.087
39-52-S	64,34	56,30	-7726,72	136,12	3.557
39-53-S	64,34	56,30	-7651,77	90,30	2.263
39-54-S	64,34	56,30	-7619,26	70,53	1.727
39-55-S	64,34	56,30	-7601,39	59,66	1.451
39-56-S	64,34	56,30	-7619,02	70,38	1.714
39-57-S	64,34	56,30	-7649,80	89,10	2.216
39-58-S	64,34	56,30	8578,07	18,08	2.332
39-59-S	64,34	56,30	8587,24	23,89	2.108
39-60-S	64,34	64,34	8605,62	28,05	1.942
39-61-S	64,34	80,42	8632,90	32,88	1.818
39-62-S	64,34	88,47	8652,43	39,98	1.726
39-63-S	64,34	96,51	8672,13	47,71	1.649
39-64-S	64,34	104,55	8508,60	53,86	1.566
39-65-S	64,34	96,51	7964,37	54,98	1.429
39-66-S	64,34	80,42	7226,93	51,63	1.264
39-67-S	64,34	72,38	6496,46	47,46	1.121
39-68-S	80,42	56,30	6942,78	49,76	1.199
39-69-S	80,42	56,30	6046,23	41,97	1.047
39-70-S	80,42	40,21	6016,30	45,45	1.053
39-71-S	80,42	40,21	6019,20	48,74	1.087
39-72-S	80,42	40,21	6020,70	50,45	1.125
39-73-S	80,42	40,21	6021,75	51,65	1.164
39-74-S	80,42	40,21	6022,87	52,92	1.212
39-75-S	64,34	40,21	4843,51	43,67	1.028
39-76-S	64,34	40,21	4844,69	45,00	1.086
39-77-S	64,34	40,21	4846,03	46,50	1.151
39-78-S	64,34	40,21	4847,53	48,19	1.222
39-79-S	64,34	40,21	4849,13	49,99	1.303
39-80-S	64,34	40,21	4850,81	51,88	1.392
39-81-S	64,34	40,21	4852,67	53,97	1.499
39-82-S	40,21	40,21	3057,80	35,54	1.023
39-83-S	40,21	40,21	3059,54	37,47	1.114
39-84-S	40,21	40,21	3062,23	40,45	1.215
39-85-S	40,21	56,30	3075,40	44,94	1.330
39-86-S	40,21	80,42	3088,95	50,58	1.467
39-87-S	40,21	80,42	3095,23	57,38	1.635

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
39-88-S	40,21	80,42	3103,16	65,96	1.849
39-89-S	40,21	64,34	2842,68	64,92	1.939
39-90-S	40,21	40,21	2055,89	40,76	1.610
39-91-S	40,21	40,21	1802,36	37,18	1.625
39-92-S	40,21	40,21	1806,60	45,05	1.919
39-93-S	40,21	40,21	1812,73	56,45	2.358
39-94-S	40,21	40,21	1782,84	0,92	2.950
39-95-S	40,21	40,21	1782,74	0,74	3.286
39-96-S	40,21	40,21	1782,43	0,17	3.698
39-97-S	40,21	40,21	1782,02	-0,58	4.201
39-98-S	40,21	40,21	-1812,32	56,12	3.709
39-99-S	40,21	40,21	-1802,19	37,15	2.988
39-100-S	40,21	40,21	-1799,53	32,18	3.137
39-101-S	40,21	40,21	-1798,26	29,80	3.649
39-102-S	40,21	40,21	-1796,61	26,71	4.421
39-103-S	40,21	40,21	1780,95	-2,50	5.496
39-104-S	40,21	40,21	1781,00	-2,41	5.474
39-105-S	40,21	40,21	1781,14	-2,16	5.575
39-106-S	40,21	40,21	1781,34	-1,81	5.781
39-107-S	40,21	40,21	1781,54	-1,44	6.030
39-108-S	40,21	40,21	1781,75	-1,07	6.325
39-109-S	40,21	40,21	1781,88	-0,71	6.736
40-1-S	40,21	40,21	1780,63	-3,08	8.162
40-2-S	40,21	40,21	1780,41	-3,48	7.779
40-3-S	40,21	40,21	1780,27	-3,73	7.414
40-4-S	40,21	40,21	1780,22	-3,81	7.072
40-5-S	40,21	40,21	1780,21	-3,84	6.751
40-6-S	40,21	40,21	1780,13	-3,98	6.461
40-7-S	40,21	40,21	1780,04	-4,14	6.206
40-8-S	40,21	40,21	1779,97	-4,26	6.023
40-9-S	40,21	40,21	1779,92	-4,35	5.904
40-10-S	40,21	40,21	1780,04	-4,15	5.776
40-11-S	40,21	40,21	1780,53	-3,27	5.400
40-12-S	40,21	40,21	1781,05	-2,33	4.987
40-13-S	40,21	40,21	1781,51	-1,50	4.629
40-14-S	40,21	40,21	1781,93	-0,75	4.278
40-15-S	40,21	40,21	1782,22	-0,22	3.865
40-16-S	40,21	40,21	1782,30	-0,08	3.465
40-17-S	40,21	40,21	1782,35	0,02	3.122
40-18-S	40,21	40,21	1782,40	0,11	2.832
40-19-S	40,21	40,21	1782,44	0,19	2.584
40-20-S	40,21	64,34	2725,90	0,44	3.648
40-21-S	40,21	80,42	3042,56	0,35	3.796
40-22-S	40,21	80,42	3042,39	0,16	3.557
40-23-S	40,21	80,42	3042,32	0,09	3.351
40-24-S	40,21	56,30	3034,48	0,10	3.165
40-25-S	40,21	40,21	3025,82	0,11	2.995
40-26-S	40,21	40,21	3025,83	0,12	2.848
40-27-S	40,21	40,21	-2928,97	-103,92	2.599
40-28-S	40,21	40,21	-2936,12	-96,24	2.284
40-29-S	40,21	40,21	-2941,79	-90,16	2.034
40-30-S	40,21	40,21	-2946,55	-85,04	1.843
40-31-S	40,21	40,21	-2950,69	-80,60	1.692
40-32-S	40,21	40,21	-2954,39	-76,62	1.560
40-33-S	40,21	40,21	-2958,19	-72,54	1.419
40-34-S	40,21	56,30	-4126,53	-95,55	1.782
40-35-S	40,21	56,30	-4130,43	-91,31	1.633
40-36-S	40,21	56,30	-4133,45	-88,03	1.530
40-37-S	40,21	56,30	-4138,72	-82,32	1.427
40-38-S	64,34	56,30	-4167,94	-74,33	1.320
40-39-S	64,34	56,30	-4175,58	-66,15	1.234
40-40-S	64,34	64,34	-6006,07	-111,94	1.720
40-41-S	64,34	88,47	-10194,90	-208,93	2.856
40-42-S	64,34	112,59	-14367,72	-294,80	3.989
40-43-S	64,34	112,59	-14385,64	-283,67	4.183
40-44-S	64,34	104,55	-13380,87	-261,49	4.118
40-45-S	64,34	80,42	-10335,13	-203,82	3.382
40-46-S	64,34	56,30	-7258,33	-145,35	2.654

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
40-47-S	64,34	56,30	-7250,90	-149,76	2.971
40-48-S	64,34	56,30	-7238,76	-156,96	3.343
40-49-S	64,34	56,30	-7224,22	-165,59	3.979
40-50-S	64,34	56,30	-7205,47	-176,72	5.001
40-51-S	64,34	56,30	-7177,69	-193,20	6.703
40-52-S	64,34	56,30	8337,43	-129,20	5.510
40-53-S	64,34	56,30	-7734,56	141,08	3.668
40-54-S	64,34	56,30	-7648,76	88,47	2.182
40-55-S	64,34	56,30	-7625,96	74,61	1.850
40-56-S	64,34	56,30	-7623,66	73,20	1.931
40-57-S	64,34	56,30	-7634,93	80,06	2.276
40-58-S	64,34	56,30	8621,77	45,75	2.134
40-59-S	64,34	56,30	8631,16	51,70	1.912
40-60-S	64,34	56,30	8638,85	56,56	1.734
40-61-S	64,34	56,30	8646,46	61,39	1.587
40-62-S	64,34	56,30	8653,48	65,83	1.471
40-63-S	64,34	56,30	8658,53	69,03	1.380
40-64-S	64,34	56,30	8659,38	69,56	1.323
40-65-S	64,34	56,30	8661,81	71,10	1.275
40-66-S	64,34	80,42	8699,48	74,53	1.239
40-67-S	64,34	104,55	8726,27	77,24	1.225
40-68-S	64,34	112,59	8739,17	81,57	1.216
40-69-S	64,34	112,59	8750,96	88,86	1.214
40-70-S	64,34	88,47	7815,70	81,28	1.113
40-71-S	88,47	64,34	8650,92	83,59	1.275
40-72-S	88,47	56,30	6646,17	55,74	1.020
40-73-S	88,47	56,30	6652,25	62,57	1.079
40-74-S	88,47	56,30	6656,91	67,81	1.153
40-75-S	88,47	40,21	6614,02	69,65	1.217
40-76-S	88,47	40,21	6615,62	71,64	1.298
40-77-S	64,34	40,21	4852,91	54,24	1.023
40-78-S	64,34	40,21	4854,52	56,05	1.097
40-79-S	64,34	40,21	4856,29	58,04	1.182
40-80-S	64,34	40,21	4858,36	60,37	1.281
40-81-S	64,34	40,21	4860,73	63,04	1.391
40-82-S	64,34	40,21	4863,16	65,77	1.503
40-83-S	40,21	40,21	3064,79	43,28	1.027
40-84-S	40,21	40,21	3066,66	45,35	1.125
40-85-S	40,21	40,21	3068,82	47,75	1.245
40-86-S	40,21	40,21	3072,38	51,70	1.380
40-87-S	40,21	56,30	3087,42	58,11	1.529
40-88-S	40,21	80,42	3103,26	66,08	1.711
40-89-S	40,21	80,42	3112,37	75,94	1.938
40-90-S	40,21	80,42	3124,13	88,67	2.234
40-91-S	40,21	64,34	2862,83	88,81	2.400
40-92-S	40,21	40,21	1805,87	43,71	1.799
40-93-S	40,21	40,21	1811,42	54,02	2.213
40-94-S	40,21	40,21	1820,30	70,50	2.875
40-95-S	40,21	40,21	1782,32	-0,03	3.466
40-96-S	40,21	40,21	1782,23	-0,20	3.871
40-97-S	40,21	40,21	1781,93	-0,73	4.286
40-98-S	40,21	40,21	1781,51	-1,49	4.638
40-99-S	40,21	40,21	1781,05	-2,32	4.998
40-100-S	40,21	40,21	-1821,71	73,69	5.085
40-101-S	40,21	40,21	-1810,38	52,48	4.398
40-102-S	40,21	40,21	-1808,19	48,38	4.950
40-103-S	40,21	40,21	-1807,03	46,21	5.806
40-104-S	40,21	40,21	1780,04	-4,14	6.216
40-105-S	40,21	40,21	1780,13	-3,98	6.469
40-106-S	40,21	40,21	1780,21	-3,84	6.757
40-107-S	40,21	40,21	1780,22	-3,81	7.078
40-108-S	40,21	40,21	1780,27	-3,73	7.420
40-109-S	40,21	40,21	1780,41	-3,49	7.784
40-110-S	40,21	40,21	1780,63	-3,08	8.166
41-1-S	40,21	40,21	1781,77	-1,02	10.222
41-2-S	40,21	40,21	1781,38	-1,73	9.835
41-3-S	40,21	40,21	1780,96	-2,48	9.472
41-4-S	40,21	40,21	1780,58	-3,17	9.152

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
41-5-S	40,21	40,21	1780,22	-3,82	8.849
41-6-S	40,21	40,21	1779,80	-4,57	8.454
41-7-S	40,21	40,21	-1779,69	-4,81	7.600
41-8-S	40,21	40,21	-1779,64	-4,90	6.928
41-9-S	40,21	40,21	-1779,79	-4,61	6.427
41-10-S	40,21	40,21	-1780,40	-3,51	6.242
41-11-S	40,21	40,21	-1781,08	-2,28	6.116
41-12-S	40,21	40,21	1781,72	-1,11	5.701
41-13-S	40,21	40,21	1782,23	-0,20	5.291
41-14-S	40,21	40,21	1782,43	0,16	4.876
41-15-S	40,21	40,21	1782,40	0,11	4.452
41-16-S	40,21	40,21	1782,35	0,02	4.076
41-17-S	40,21	40,21	1782,33	-0,02	3.736
41-18-S	40,21	40,21	1782,35	0,02	3.407
41-19-S	40,21	40,21	1782,41	0,13	3.097
41-20-S	40,21	80,42	3042,34	0,11	4.830
41-21-S	40,21	80,42	3041,86	-0,40	4.445
41-22-S	40,21	80,42	3041,46	-0,81	4.118
41-23-S	40,21	80,42	3041,13	-1,16	3.834
41-24-S	40,21	40,21	3024,38	-1,44	3.568
41-25-S	40,21	40,21	3024,24	-1,59	3.360
41-26-S	40,21	40,21	-2898,85	-136,28	3.139
41-27-S	40,21	40,21	-2910,16	-124,14	2.720
41-28-S	40,21	40,21	-2919,55	-114,04	2.382
41-29-S	40,21	40,21	-2927,05	-105,99	2.117
41-30-S	40,21	40,21	-2932,99	-99,61	1.906
41-31-S	40,21	40,21	-2937,85	-94,39	1.734
41-32-S	40,21	40,21	-2943,24	-88,59	1.547
41-33-S	40,21	56,30	-4107,90	-115,76	1.919
41-34-S	40,21	56,30	-4113,76	-109,40	1.733
41-35-S	40,21	56,30	-4118,77	-103,96	1.582
41-36-S	40,21	56,30	-4128,32	-93,60	1.414
41-37-S	64,34	56,30	-4162,38	-80,28	1.250
41-38-S	64,34	56,30	-4171,94	-70,05	1.127
41-39-S	64,34	88,47	-9491,97	-204,83	2.309
41-40-S	64,34	112,59	-14321,11	-323,77	3.139
41-41-S	64,34	112,59	-14374,07	-290,86	2.885
41-42-S	64,34	112,59	-14413,71	-266,23	2.714
41-43-S	64,34	88,47	-11364,49	-216,14	2.127
41-44-S	64,34	56,30	-7254,71	-147,49	1.387
41-45-S	64,34	56,30	-7238,73	-156,98	1.428
41-46-S	64,34	56,30	-7201,50	-179,07	1.594
41-47-S	64,34	56,30	-7139,47	-215,88	1.889
41-48-S	64,34	56,30	-7059,45	-263,36	2.269
41-49-S	64,34	56,30	-6958,49	-323,27	2.750
41-50-S	64,34	56,30	-6825,77	-402,02	3.500
41-51-S	64,34	56,30	-6619,29	-524,54	4.725
41-52-S	64,34	56,30	7439,80	-676,05	6.328
41-53-S	64,34	56,30	7695,00	-520,58	4.963
41-54-S	64,34	56,30	8683,84	85,05	4.049
41-55-S	64,34	56,30	8655,10	66,85	3.454
41-56-S	64,34	56,30	8713,25	103,68	2.849
41-57-S	64,34	56,30	8813,18	166,95	2.408
41-58-S	64,34	56,30	8846,81	188,24	2.084
41-59-S	64,34	56,30	8847,15	188,46	1.832
41-60-S	64,34	56,30	8818,00	170,00	1.627
41-61-S	64,34	56,30	8796,52	156,40	1.467
41-62-S	64,34	56,30	8781,48	146,88	1.341
41-63-S	64,34	56,30	8770,98	140,23	1.239
41-64-S	64,34	56,30	8750,52	127,27	1.141
41-65-S	64,34	56,30	8732,86	116,09	1.058
41-66-S	80,42	56,30	10858,96	133,02	1.230
41-67-S	80,42	56,30	10847,04	125,43	1.179
41-68-S	80,42	56,30	10841,28	121,76	1.182
41-69-S	80,42	88,47	10896,18	118,25	1.197
41-70-S	80,42	112,59	10925,51	117,52	1.226
41-71-S	80,42	112,59	10943,54	128,71	1.299
41-72-S	80,42	112,59	10965,60	142,41	1.396

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
41-73-S	80,42	88,47	9079,99	110,52	1.252
41-74-S	96,51	56,30	7238,67	68,07	1.084
41-75-S	96,51	56,30	7246,93	78,12	1.180
41-76-S	80,42	56,30	6074,31	73,37	1.083
41-77-S	80,42	40,21	6043,09	75,90	1.164
41-78-S	64,34	40,21	4861,05	63,40	1.018
41-79-S	64,34	40,21	4863,35	65,99	1.111
41-80-S	64,34	40,21	4865,48	68,38	1.199
41-81-S	64,34	40,21	4867,77	70,97	1.303
41-82-S	64,34	40,21	4870,43	73,95	1.428
41-83-S	64,34	40,21	4873,44	77,34	1.566
41-84-S	40,21	40,21	3071,72	50,96	1.074
41-85-S	40,21	40,21	3074,02	53,51	1.177
41-86-S	40,21	40,21	3076,68	56,46	1.303
41-87-S	40,21	40,21	3079,83	59,96	1.457
41-88-S	40,21	40,21	3085,60	66,35	1.624
41-89-S	40,21	80,42	3112,01	75,54	1.833
41-90-S	40,21	80,42	3122,39	86,79	2.089
41-91-S	40,21	80,42	3136,18	101,72	2.430
41-92-S	40,21	80,42	3155,37	122,49	2.904
41-93-S	40,21	40,21	1810,25	51,84	2.036
41-94-S	40,21	40,21	1817,69	65,66	2.575
41-95-S	40,21	40,21	1829,21	87,04	3.436
41-96-S	40,21	40,21	1782,41	0,13	4.064
41-97-S	40,21	40,21	1782,45	0,21	4.447
41-98-S	40,21	40,21	1782,48	0,26	4.878
41-99-S	40,21	40,21	1782,28	-0,11	5.297
41-100-S	40,21	40,21	1781,78	-1,02	5.707
41-101-S	40,21	40,21	-1781,13	-2,19	6.116
41-102-S	40,21	40,21	-1827,82	85,14	6.000
41-103-S	40,21	40,21	-1816,90	64,69	5.557
41-104-S	40,21	40,21	-1813,83	58,94	5.918
41-105-S	40,21	40,21	-1811,47	54,52	6.504
41-106-S	40,21	40,21	-1808,21	48,43	7.271
41-107-S	40,21	40,21	-1803,66	39,91	8.315
41-108-S	40,21	40,21	1780,60	-3,14	9.155
41-109-S	40,21	40,21	1780,98	-2,46	9.475
41-110-S	40,21	40,21	1781,39	-1,71	9.837
41-111-S	40,21	40,21	1781,79	-1,00	10.223
42-1-S	48,25	48,25	-2137,24	-0,08	14.987
42-2-S	48,25	48,25	-2137,22	-0,13	13.763
42-3-S	48,25	48,25	-2137,20	-0,17	12.693
42-4-S	48,25	48,25	-2137,11	-0,34	11.763
42-5-S	48,25	48,25	-2136,95	-0,61	10.636
42-6-S	48,25	48,25	-2136,79	-0,92	8.514
42-7-S	48,25	48,25	-2136,63	-1,20	7.110
42-8-S	48,25	48,25	-2136,51	-1,41	6.082
42-9-S	48,25	48,25	-2136,40	-1,61	5.340
42-10-S	48,25	48,25	-2136,66	-1,14	5.070
42-11-S	48,25	48,25	-2137,09	-0,36	5.202
42-12-S	48,25	48,25	-2137,33	0,07	5.660
42-13-S	48,25	48,25	-2137,37	0,14	6.619
42-14-S	48,25	48,25	-2137,35	0,11	7.935
42-15-S	48,25	48,25	2137,31	0,04	7.106
42-16-S	48,25	48,25	2137,29	0,00	6.357
42-17-S	48,25	48,25	2137,27	-0,03	5.720
42-18-S	48,25	48,25	2137,26	-0,05	5.180
42-19-S	48,25	48,25	2137,26	-0,06	4.720
42-20-S	48,25	96,51	3650,20	-0,19	7.319
42-21-S	48,25	96,51	3650,07	-0,32	6.697
42-22-S	48,25	96,51	3649,87	-0,53	6.169
42-23-S	48,25	96,51	3649,61	-0,81	5.715
42-24-S	48,25	48,25	-3427,31	-216,04	4.894
42-25-S	48,25	48,25	-3447,04	-194,84	4.419
42-26-S	48,25	48,25	-3463,00	-177,70	3.846
42-27-S	48,25	48,25	-3475,07	-164,73	3.363
42-28-S	48,25	48,25	-3484,55	-154,55	2.988
42-29-S	48,25	48,25	-3492,81	-145,67	2.681

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
42-30-S	48,25	48,25	-3500,26	-137,67	2.424
42-31-S	48,25	48,25	-3507,69	-129,69	2.183
42-32-S	48,25	48,25	-3516,92	-119,77	1.908
42-33-S	48,25	48,25	-3524,30	-111,84	1.693
42-34-S	48,25	48,25	-3530,24	-105,46	1.521
42-35-S	48,25	64,34	-4693,83	-132,81	1.834
42-36-S	48,25	64,34	-4712,51	-112,56	1.604
42-37-S	48,25	64,34	-4727,20	-96,63	1.423
42-38-S	48,25	104,55	-11074,61	-286,15	2.969
42-39-S	80,42	128,68	-16308,57	-413,14	3.673
42-40-S	80,42	128,68	-16411,85	-349,13	3.165
42-41-S	80,42	128,68	-16496,32	-296,78	2.703
42-42-S	80,42	96,51	-12487,81	-191,19	1.627
42-43-S	80,42	80,42	-10449,75	-149,91	1.178
42-44-S	80,42	80,42	-10452,37	-148,31	1.085
42-45-S	80,42	80,42	-10413,36	-172,10	1.150
42-46-S	80,42	64,34	-8253,89	-193,46	1.164
42-47-S	80,42	64,34	-8110,62	-278,38	1.543
42-48-S	80,42	64,34	-7866,25	-423,19	2.203
42-49-S	80,42	64,34	-7488,62	-646,99	3.094
42-50-S	80,42	64,34	-6895,54	-998,47	4.388
42-51-S	80,42	64,34	10662,83	-2,65	4.960
42-52-S	80,42	64,34	10690,23	14,62	4.824
42-53-S	80,42	64,34	10705,71	24,44	4.536
42-54-S	80,42	64,34	10694,08	17,07	4.088
42-55-S	80,42	64,34	10250,70	-254,49	3.230
42-56-S	80,42	64,34	10662,23	-3,02	2.714
42-57-S	80,42	64,34	10961,94	186,97	2.424
42-58-S	80,42	64,34	11239,81	363,23	2.307
42-59-S	80,42	64,34	11451,52	497,52	2.241
42-60-S	80,42	64,34	11413,94	473,68	2.039
42-61-S	80,42	64,34	11311,05	408,42	1.827
42-62-S	80,42	64,34	11227,93	355,69	1.656
42-63-S	80,42	64,34	11144,74	302,92	1.508
42-64-S	80,42	64,34	11050,25	242,99	1.316
42-65-S	80,42	64,34	10969,42	191,72	1.104
42-66-S	104,55	64,34	14109,07	195,95	1.220
42-67-S	104,55	64,34	14044,09	154,35	1.058
42-68-S	104,55	64,34	14019,02	138,31	1.029
42-69-S	104,55	64,34	14020,22	139,08	1.106
42-70-S	104,55	96,51	14114,81	145,47	1.250
42-71-S	104,55	128,68	14197,38	161,81	1.486
42-72-S	104,55	128,68	14233,07	183,98	1.677
42-73-S	104,55	128,68	14276,38	210,88	1.879
42-74-S	104,55	104,55	11821,46	169,35	1.754
42-75-S	104,55	64,34	7858,20	87,94	1.274
42-76-S	80,42	64,34	6091,77	78,48	1.083
42-77-S	80,42	64,34	6098,15	85,57	1.184
42-78-S	80,42	48,25	6072,36	88,36	1.282
42-79-S	80,42	48,25	6075,55	91,96	1.405
42-80-S	80,42	48,25	6078,73	95,54	1.533
42-81-S	48,25	48,25	3682,57	59,93	1.007
42-82-S	48,25	48,25	3684,56	62,13	1.099
42-83-S	48,25	48,25	3686,76	64,56	1.208
42-84-S	48,25	48,25	3689,15	67,21	1.319
42-85-S	48,25	48,25	3691,94	70,29	1.445
42-86-S	48,25	48,25	3695,25	73,96	1.599
42-87-S	48,25	48,25	3699,30	78,44	1.790
42-88-S	48,25	48,25	3705,66	85,48	2.014
42-89-S	48,25	96,51	3740,77	97,55	2.282
42-90-S	48,25	96,51	3754,30	112,15	2.608
42-91-S	48,25	96,51	3772,15	131,42	3.039
42-92-S	48,25	96,51	3796,87	158,10	3.639
42-93-S	48,25	48,25	2173,54	67,22	2.567
42-94-S	48,25	48,25	2184,44	87,43	3.222
42-95-S	48,25	48,25	2201,83	119,68	4.312
42-96-S	48,25	48,25	2137,41	0,22	6.332
42-97-S	48,25	48,25	2137,44	0,27	7.091

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
42-98-S	48,25	48,25	-2137,47	0,33	7.908
42-99-S	48,25	48,25	-2137,45	0,30	6.598
42-100-S	48,25	48,25	-2137,39	0,19	5.650
42-101-S	48,25	48,25	-2179,82	79,44	4.398
42-102-S	48,25	48,25	-2168,40	58,10	3.837
42-103-S	48,25	48,25	-2163,36	48,70	3.894
42-104-S	48,25	48,25	-2161,98	46,11	4.568
42-105-S	48,25	48,25	-2160,32	43,02	5.605
42-106-S	48,25	48,25	-2157,70	38,13	7.186
42-107-S	48,25	48,25	-2153,34	29,98	10.123
42-108-S	48,25	48,25	-2137,14	-0,27	11.768
42-109-S	48,25	48,25	-2137,24	-0,10	12.699
42-110-S	48,25	48,25	-2137,25	-0,07	13.769
42-111-S	48,25	48,25	-2137,28	-0,03	14.993
43-1-S	40,21	40,21	-1782,23	-0,21	11.347
43-2-S	40,21	40,21	-1782,25	-0,17	10.062
43-3-S	40,21	40,21	-1782,26	-0,15	9.078
43-4-S	40,21	40,21	-1782,33	-0,03	8.308
43-5-S	40,21	40,21	-1782,43	0,17	7.531
43-6-S	40,21	40,21	-1782,55	0,39	6.203
43-7-S	40,21	40,21	-1782,67	0,61	5.305
43-8-S	40,21	40,21	-1782,76	0,78	4.629
43-9-S	40,21	40,21	-1782,85	0,95	4.131
43-10-S	40,21	40,21	-1782,65	0,58	3.998
43-11-S	40,21	40,21	-1782,28	-0,10	4.174
43-12-S	40,21	40,21	-1782,04	-0,55	4.619
43-13-S	40,21	40,21	-1781,91	-0,78	5.519
43-14-S	40,21	40,21	-1781,79	-1,00	6.776
43-15-S	40,21	40,21	-1781,69	-1,17	7.887
43-16-S	40,21	40,21	1781,65	-1,25	8.400
43-17-S	40,21	40,21	-1670,46	-202,62	7.281
43-18-S	40,21	40,21	-1689,31	-168,48	6.186
43-19-S	40,21	40,21	-1704,50	-140,97	5.355
43-20-S	40,21	80,42	3040,30	-2,03	8.912
43-21-S	40,21	80,42	3040,72	-1,60	7.984
43-22-S	40,21	80,42	3041,11	-1,19	7.223
43-23-S	40,21	80,42	3041,50	-0,78	6.596
43-24-S	40,21	40,21	-2858,22	-179,92	4.102
43-25-S	40,21	40,21	-2874,90	-162,01	3.688
43-26-S	40,21	40,21	-2889,29	-146,55	3.156
43-27-S	40,21	40,21	-2900,23	-134,80	2.757
43-28-S	40,21	40,21	-2908,77	-125,62	2.447
43-29-S	40,21	40,21	-2915,66	-118,23	2.200
43-30-S	40,21	40,21	-2921,26	-112,21	1.993
43-31-S	40,21	40,21	-2925,65	-107,50	1.793
43-32-S	40,21	40,21	-2929,64	-103,20	1.623
43-33-S	40,21	56,30	-4088,99	-136,27	2.031
43-34-S	40,21	56,30	-4097,76	-126,76	1.796
43-35-S	40,21	56,30	-4105,68	-118,16	1.600
43-36-S	40,21	56,30	-4119,65	-103,01	1.409
43-37-S	72,38	56,30	-4160,03	-88,06	1.255
43-38-S	72,38	96,51	-10291,42	-271,03	2.759
43-39-S	72,38	128,68	-16274,77	-417,09	3.683
43-40-S	72,38	128,68	-16384,76	-348,65	3.190
43-41-S	72,38	128,68	-16480,79	-288,89	2.686
43-42-S	72,38	120,64	-15534,39	-232,05	1.993
43-43-S	72,38	80,42	-10450,80	-141,56	1.134
43-44-S	80,42	80,42	-10476,04	-133,88	1.010
43-45-S	72,38	80,42	-10395,36	-175,47	1.174
43-46-S	72,38	64,34	-8253,32	-190,25	1.151
43-47-S	72,38	64,34	-8113,46	-273,26	1.519
43-48-S	72,38	64,34	-7848,97	-430,25	2.211
43-49-S	72,38	64,34	-7456,83	-663,00	2.940
43-50-S	72,38	56,30	9630,33	18,28	3.098
43-51-S	72,38	56,30	9624,02	14,27	2.878
43-52-S	72,38	56,30	9610,87	5,92	2.649
43-53-S	72,38	56,30	9590,62	-6,68	2.384
43-54-S	72,38	56,30	9575,68	-15,81	2.172

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
43-55-S	72,38	56,30	9564,58	-22,60	2.002
43-56-S	72,38	56,30	9563,25	-23,42	1.988
43-57-S	72,38	56,30	9569,71	-19,47	2.095
43-58-S	72,38	56,30	10156,08	352,28	2.087
43-59-S	72,38	56,30	10371,22	488,95	2.033
43-60-S	72,38	56,30	10482,39	559,58	1.933
43-61-S	72,38	56,30	10389,91	500,83	1.730
43-62-S	72,38	56,30	10218,09	391,67	1.506
43-63-S	72,38	56,30	10079,08	303,36	1.332
43-64-S	72,38	56,30	9973,56	236,32	1.196
43-65-S	72,38	56,30	9892,94	185,11	1.003
43-66-S	88,47	56,30	11974,01	178,00	1.047
43-67-S	112,59	56,30	15089,65	179,05	1.169
43-68-S	112,59	56,30	15031,76	141,67	1.053
43-69-S	112,59	56,30	15039,71	146,80	1.161
43-70-S	88,47	88,47	11959,72	123,54	1.050
43-71-S	88,47	112,59	12015,99	136,04	1.254
43-72-S	88,47	112,59	12050,14	157,29	1.427
43-73-S	88,47	112,59	12090,06	182,12	1.594
43-74-S	88,47	88,47	10008,51	146,98	1.483
43-75-S	88,47	56,30	6664,94	76,83	1.082
43-76-S	88,47	56,30	6675,30	88,47	1.192
43-77-S	72,38	56,30	5489,58	79,13	1.072
43-78-S	72,38	40,21	5463,87	81,35	1.158
43-79-S	72,38	40,21	5466,25	84,04	1.266
43-80-S	72,38	40,21	5468,72	86,82	1.378
43-81-S	72,38	40,21	5471,39	89,85	1.496
43-82-S	72,38	40,21	5474,40	93,25	1.634
43-83-S	40,21	40,21	3074,90	54,49	1.011
43-84-S	40,21	40,21	3077,07	56,90	1.104
43-85-S	40,21	40,21	3079,40	59,48	1.211
43-86-S	40,21	40,21	3081,93	62,28	1.338
43-87-S	40,21	40,21	3084,88	65,55	1.494
43-88-S	40,21	40,21	3089,98	71,20	1.678
43-89-S	40,21	80,42	3117,29	81,27	1.902
43-90-S	40,21	80,42	3128,63	93,54	2.175
43-91-S	40,21	80,42	3143,57	109,72	2.538
43-92-S	40,21	80,42	3164,23	132,09	3.041
43-93-S	40,21	40,21	1812,62	56,23	2.148
43-94-S	40,21	40,21	1821,74	73,18	2.698
43-95-S	40,21	40,21	1836,30	100,22	3.612
43-96-S	40,21	40,21	1864,40	152,40	5.433
43-97-S	40,21	40,21	-1781,79	-1,00	7.949
43-98-S	40,21	40,21	-1781,88	-0,84	6.763
43-99-S	40,21	40,21	-1781,97	-0,66	5.504
43-100-S	40,21	40,21	-1782,09	-0,46	4.612
43-101-S	40,21	40,21	-1817,72	66,23	3.669
43-102-S	40,21	40,21	-1808,26	48,53	3.201
43-103-S	40,21	40,21	-1804,10	40,72	3.249
43-104-S	40,21	40,21	-1802,93	38,54	3.810
43-105-S	40,21	40,21	-1801,54	35,94	4.673
43-106-S	40,21	40,21	-1799,34	31,82	5.990
43-107-S	40,21	40,21	-1782,46	0,22	7.528
43-108-S	40,21	40,21	-1782,35	0,02	8.306
43-109-S	40,21	40,21	-1782,28	-0,10	9.076
43-110-S	40,21	40,21	-1782,27	-0,13	10.060
43-111-S	40,21	40,21	-1782,25	-0,16	11.346
44-1-S	40,21	40,21	-1782,82	0,89	10.882
44-2-S	40,21	40,21	-1783,15	1,51	9.704
44-3-S	40,21	40,21	-1783,47	2,11	8.775
44-4-S	40,21	40,21	-1783,72	2,58	8.015
44-5-S	40,21	40,21	-1783,93	2,98	7.358
44-6-S	40,21	40,21	-1784,12	3,34	6.598
44-7-S	40,21	40,21	-1784,23	3,54	6.001
44-8-S	40,21	40,21	-1784,28	3,63	5.521
44-9-S	40,21	40,21	-1784,17	3,43	5.182
44-10-S	40,21	40,21	-1783,72	2,59	5.212
44-11-S	40,21	40,21	-1783,18	1,57	5.326

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
44-12-S	40,21	40,21	-1782,65	0,59	5.497
44-13-S	40,21	40,21	-1782,16	-0,33	5.761
44-14-S	40,21	40,21	-1781,87	-0,85	6.280
44-15-S	40,21	40,21	-1781,82	-0,94	7.191
44-16-S	40,21	40,21	-1674,78	-194,80	7.831
44-17-S	40,21	40,21	-1689,39	-168,34	6.660
44-18-S	40,21	40,21	-1702,88	-143,91	5.654
44-19-S	40,21	40,21	-1714,59	-122,70	4.829
44-20-S	40,21	80,42	3042,24	0,00	11.879
44-21-S	40,21	80,42	3042,24	0,00	10.153
44-22-S	40,21	80,42	3042,24	0,00	8.866
44-23-S	40,21	80,42	3042,24	0,00	7.870
44-24-S	40,21	40,21	-2878,30	-158,36	3.815
44-25-S	40,21	40,21	-2892,75	-142,83	3.458
44-26-S	40,21	40,21	-2904,64	-130,06	2.998
44-27-S	40,21	40,21	-2913,89	-120,12	2.636
44-28-S	40,21	40,21	-2921,26	-112,20	2.355
44-29-S	40,21	40,21	-2927,38	-105,63	2.129
44-30-S	40,21	40,21	-2932,92	-99,69	1.925
44-31-S	40,21	40,21	-2938,08	-94,14	1.717
44-32-S	40,21	40,21	-2942,18	-89,74	1.552
44-33-S	40,21	56,30	-4104,18	-119,79	1.979
44-34-S	40,21	56,30	-4111,41	-111,95	1.762
44-35-S	40,21	56,30	-4118,14	-104,64	1.574
44-36-S	40,21	56,30	-4124,36	-97,90	1.422
44-37-S	64,34	56,30	-4158,04	-84,93	1.267
44-38-S	64,34	56,30	-4170,38	-71,73	1.138
44-39-S	64,34	88,47	-9494,46	-202,99	2.324
44-40-S	64,34	112,59	-14356,35	-301,87	3.128
44-41-S	64,34	112,59	-14428,67	-256,94	2.874
44-42-S	64,34	112,59	-14450,46	-243,39	2.758
44-43-S	64,34	88,47	-11407,03	-189,94	2.092
44-44-S	64,34	56,30	-7292,31	-125,18	1.338
44-45-S	64,34	56,30	-7267,30	-140,03	1.465
44-46-S	64,34	56,30	-7229,09	-162,70	1.635
44-47-S	64,34	56,30	-7171,61	-196,81	1.890
44-48-S	64,34	56,30	-7109,74	-233,52	2.296
44-49-S	64,34	56,30	8550,49	0,62	2.389
44-50-S	64,34	56,30	8543,13	-3,89	2.179
44-51-S	64,34	56,30	8530,75	-11,43	1.938
44-52-S	64,34	56,30	8514,61	-21,27	1.739
44-53-S	64,34	56,30	8499,49	-30,47	1.594
44-54-S	64,34	56,30	8486,66	-38,29	1.486
44-55-S	64,34	56,30	8480,61	-41,98	1.450
44-56-S	64,34	56,30	8478,41	-43,32	1.450
44-57-S	64,34	56,30	8478,14	-43,48	1.460
44-58-S	64,34	56,30	8479,89	-42,42	1.481
44-59-S	64,34	56,30	8495,27	-33,05	1.593
44-60-S	64,34	56,30	8791,10	152,97	1.661
44-61-S	64,34	56,30	8791,87	153,45	1.516
44-62-S	64,34	56,30	8778,02	144,69	1.378
44-63-S	64,34	56,30	8756,56	131,10	1.249
44-64-S	64,34	56,30	8741,63	121,64	1.144
44-65-S	64,34	56,30	8731,03	114,93	1.061
44-66-S	80,42	56,30	10852,64	129,00	1.244
44-67-S	80,42	56,30	10836,00	118,39	1.191
44-68-S	80,42	56,30	10825,24	111,53	1.151
44-69-S	80,42	88,47	10883,20	110,12	1.178
44-70-S	80,42	112,59	10915,59	111,36	1.231
44-71-S	80,42	112,59	10924,79	117,07	1.287
44-72-S	80,42	112,59	10953,43	134,85	1.384
44-73-S	80,42	88,47	9078,87	109,68	1.249
44-74-S	96,51	56,30	7239,08	68,58	1.082
44-75-S	96,51	56,30	7248,32	79,82	1.187
44-76-S	80,42	56,30	6076,09	75,36	1.091
44-77-S	80,42	40,21	6045,16	78,26	1.170
44-78-S	64,34	40,21	4862,54	65,07	1.022
44-79-S	64,34	40,21	4864,44	67,22	1.116

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
44-80-S	64,34	40,21	4866,75	69,82	1.206
44-81-S	64,34	40,21	4869,30	72,69	1.310
44-82-S	64,34	40,21	4871,84	75,54	1.432
44-83-S	64,34	40,21	4874,46	78,49	1.568
44-84-S	40,21	40,21	3072,23	51,53	1.075
44-85-S	40,21	40,21	3074,48	54,03	1.180
44-86-S	40,21	40,21	3077,22	57,06	1.307
44-87-S	40,21	40,21	3080,45	60,64	1.463
44-88-S	40,21	40,21	3086,34	67,16	1.633
44-89-S	40,21	80,42	3112,95	76,56	1.847
44-90-S	40,21	80,42	3123,32	87,80	2.106
44-91-S	40,21	80,42	3137,08	102,70	2.450
44-92-S	40,21	80,42	3156,20	123,40	2.929
44-93-S	40,21	40,21	1810,39	52,10	2.053
44-94-S	40,21	40,21	1817,80	65,87	2.593
44-95-S	40,21	40,21	1829,29	87,19	3.457
44-96-S	40,21	40,21	1849,81	125,31	5.046
44-97-S	40,21	40,21	-1781,86	-0,87	7.316
44-98-S	40,21	40,21	-1781,92	-0,77	6.315
44-99-S	40,21	40,21	-1782,20	-0,25	5.763
44-100-S	40,21	40,21	-1782,69	0,66	5.496
44-101-S	40,21	40,21	-1783,21	1,63	5.324
44-102-S	40,21	40,21	-1783,75	2,64	5.210
44-103-S	40,21	40,21	-1784,19	3,47	5.180
44-104-S	40,21	40,21	-1784,30	3,67	5.517
44-105-S	40,21	40,21	-1784,25	3,58	5.997
44-106-S	40,21	40,21	-1784,14	3,37	6.594
44-107-S	40,21	40,21	-1783,95	3,01	7.354
44-108-S	40,21	40,21	-1783,73	2,60	8.011
44-109-S	40,21	40,21	-1783,48	2,13	8.771
44-110-S	40,21	40,21	-1783,16	1,54	9.700
44-111-S	40,21	40,21	-1782,83	0,92	10.879
45-1-S	40,21	40,21	-1784,43	3,92	10.585
45-2-S	40,21	40,21	-1784,59	4,21	9.563
45-3-S	40,21	40,21	-1784,65	4,33	8.773
45-4-S	40,21	40,21	-1784,64	4,31	8.149
45-5-S	40,21	40,21	-1784,61	4,25	7.614
45-6-S	40,21	40,21	-1784,56	4,15	6.906
45-7-S	40,21	40,21	-1784,49	4,03	6.224
45-8-S	40,21	40,21	-1784,35	3,77	5.507
45-9-S	40,21	40,21	-1784,17	3,42	4.822
45-10-S	40,21	40,21	-1783,92	2,95	4.304
45-11-S	40,21	40,21	-1783,68	2,50	4.399
45-12-S	40,21	40,21	-1783,40	1,99	4.695
45-13-S	40,21	40,21	-1783,08	1,38	5.004
45-14-S	40,21	40,21	-1782,70	0,66	5.504
45-15-S	40,21	40,21	-1782,34	-0,01	6.833
45-16-S	40,21	40,21	-1702,26	-145,03	5.960
45-17-S	40,21	40,21	-1714,31	-123,20	5.086
45-18-S	40,21	40,21	-1723,36	-106,82	4.429
45-19-S	40,21	40,21	-1730,47	-93,93	3.913
45-20-S	40,21	64,34	-4115,50	-299,22	8.173
45-21-S	40,21	80,42	-5632,28	-378,93	9.638
45-22-S	40,21	80,42	-5676,59	-330,13	8.492
45-23-S	40,21	80,42	-5712,33	-290,76	7.583
45-24-S	40,21	56,30	-4046,48	-182,40	4.830
45-25-S	40,21	40,21	-2916,27	-117,56	3.161
45-26-S	40,21	40,21	-2926,11	-107,00	2.834
45-27-S	40,21	40,21	-2933,32	-99,26	2.502
45-28-S	40,21	40,21	-2939,09	-93,06	2.244
45-29-S	40,21	40,21	-2943,87	-87,92	2.044
45-30-S	40,21	40,21	-2948,07	-83,41	1.877
45-31-S	40,21	40,21	-2952,64	-78,51	1.705
45-32-S	40,21	40,21	-2956,98	-73,84	1.545
45-33-S	40,21	40,21	-2960,55	-70,00	1.414
45-34-S	40,21	56,30	-4129,07	-92,79	1.812
45-35-S	40,21	56,30	-4133,81	-87,65	1.658
45-36-S	40,21	56,30	-4138,11	-82,98	1.533

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
45-37-S	40,21	56,30	-4142,47	-78,25	1.429
45-38-S	64,34	56,30	-4171,69	-70,32	1.327
45-39-S	64,34	56,30	-4180,14	-61,28	1.252
45-40-S	64,34	64,34	-5958,45	-100,67	1.731
45-41-S	64,34	88,47	-10226,97	-186,90	2.909
45-42-S	64,34	112,59	-14423,80	-259,96	4.060
45-43-S	64,34	112,59	8582,33	-14,89	3.884
45-44-S	64,34	104,55	8570,38	-18,74	3.530
45-45-S	64,34	80,42	8545,62	-20,97	3.215
45-46-S	64,34	56,30	-7300,70	-120,21	2.562
45-47-S	64,34	56,30	8503,62	-27,96	2.585
45-48-S	64,34	56,30	8499,19	-30,66	2.344
45-49-S	64,34	56,30	8494,81	-33,33	2.110
45-50-S	64,34	56,30	8489,38	-36,64	1.851
45-51-S	64,34	56,30	8484,89	-39,37	1.634
45-52-S	64,34	56,30	8483,63	-40,14	1.416
45-53-S	64,34	56,30	8488,28	-37,31	1.163
45-54-S	64,34	56,30	8491,79	-35,17	1.004
45-55-S	72,38	56,30	9537,25	-39,31	1.040
45-56-S	72,38	56,30	9534,84	-40,78	1.019
45-57-S	72,38	56,30	9529,58	-44,00	1.106
45-58-S	64,34	56,30	8476,55	-44,45	1.199
45-59-S	64,34	56,30	8471,12	-47,76	1.449
45-60-S	64,34	56,30	8474,93	-45,44	1.654
45-61-S	64,34	56,30	8629,55	50,68	1.594
45-62-S	64,34	56,30	8636,53	55,10	1.479
45-63-S	64,34	56,30	8637,55	55,74	1.388
45-64-S	64,34	56,30	8639,93	57,25	1.318
45-65-S	64,34	56,30	8643,37	59,43	1.257
45-66-S	64,34	80,42	8678,99	61,71	1.223
45-67-S	64,34	104,55	8706,54	65,01	1.216
45-68-S	64,34	112,59	8721,70	70,77	1.211
45-69-S	64,34	112,59	8734,03	78,39	1.213
45-70-S	64,34	88,47	7801,59	71,49	1.110
45-71-S	88,47	64,34	8639,54	73,72	1.268
45-72-S	88,47	56,30	6640,85	49,77	1.012
45-73-S	88,47	56,30	6647,96	57,75	1.083
45-74-S	88,47	56,30	6653,48	63,96	1.154
45-75-S	88,47	40,21	6611,80	66,90	1.214
45-76-S	88,47	40,21	6613,82	69,41	1.302
45-77-S	64,34	40,21	4851,72	52,90	1.029
45-78-S	64,34	40,21	4853,81	55,26	1.101
45-79-S	64,34	40,21	4855,97	57,69	1.182
45-80-S	64,34	40,21	4857,98	59,95	1.281
45-81-S	64,34	40,21	4860,12	62,36	1.396
45-82-S	64,34	40,21	4862,72	65,28	1.510
45-83-S	40,21	40,21	3064,78	43,27	1.032
45-84-S	40,21	40,21	3066,81	45,53	1.129
45-85-S	40,21	40,21	3068,89	47,83	1.247
45-86-S	40,21	40,21	3072,14	51,43	1.382
45-87-S	40,21	56,30	3087,24	57,92	1.534
45-88-S	40,21	80,42	3103,19	66,00	1.721
45-89-S	40,21	80,42	3112,47	76,05	1.953
45-90-S	40,21	80,42	3124,41	88,97	2.255
45-91-S	40,21	64,34	2863,14	89,18	2.426
45-92-S	40,21	40,21	1805,93	43,81	1.818
45-93-S	40,21	40,21	1811,45	54,06	2.235
45-94-S	40,21	40,21	1820,25	70,40	2.901
45-95-S	40,21	40,21	1836,52	100,62	4.131
45-96-S	40,21	40,21	-1782,35	0,02	6.872
45-97-S	40,21	40,21	-1782,71	0,69	5.511
45-98-S	40,21	40,21	-1783,09	1,40	5.009
45-99-S	40,21	40,21	-1783,41	2,01	4.699
45-100-S	40,21	40,21	-1783,68	2,51	4.402
45-101-S	40,21	40,21	-1783,92	2,96	4.306
45-102-S	40,21	40,21	-1784,17	3,43	4.823
45-103-S	40,21	40,21	-1784,36	3,78	5.507
45-104-S	40,21	40,21	-1784,50	4,04	6.223

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
45-105-S	40,21	40,21	-1784,56	4,16	6.904
45-106-S	40,21	40,21	-1784,61	4,26	7.612
45-107-S	40,21	40,21	-1784,65	4,32	8.147
45-108-S	40,21	40,21	-1784,65	4,33	8.770
45-109-S	40,21	40,21	-1784,59	4,21	9.561
45-110-S	40,21	40,21	-1784,43	3,92	10.582
46-1-S	40,21	40,21	-1782,94	1,24	11.200
46-2-S	40,21	40,21	-1783,28	1,76	10.105
46-3-S	40,21	40,21	-1783,54	2,25	9.218
46-4-S	40,21	40,21	-1783,77	2,68	8.436
46-5-S	40,21	40,21	-1783,97	3,05	7.746
46-6-S	40,21	40,21	-1783,89	2,91	6.533
46-7-S	40,21	40,21	-1783,60	2,35	5.118
46-8-S	40,21	40,21	-1783,40	1,99	4.224
46-9-S	40,21	40,21	-1783,27	1,74	3.601
46-10-S	40,21	40,21	-1783,18	1,57	3.166
46-11-S	40,21	40,21	-1783,09	1,41	2.988
46-12-S	40,21	40,21	-1782,90	1,04	3.332
46-13-S	40,21	40,21	-1782,62	0,52	3.990
46-14-S	40,21	40,21	-1782,19	-0,27	5.064
46-15-S	40,21	40,21	-1711,38	-128,51	5.651
46-16-S	40,21	40,21	-1718,01	-116,51	4.934
46-17-S	40,21	40,21	-1727,12	-100,01	4.289
46-18-S	40,21	40,21	-1734,44	-86,75	3.800
46-19-S	40,21	40,21	-1740,54	-75,70	3.413
46-20-S	40,21	40,21	-1977,09	-85,78	3.500
46-21-S	40,21	64,34	-4227,78	-215,14	6.652
46-22-S	40,21	80,42	-5729,15	-272,24	7.912
46-23-S	40,21	80,42	-5759,20	-239,14	7.071
46-24-S	40,21	80,42	-5783,29	-212,61	6.404
46-25-S	40,21	56,30	-4090,32	-134,84	4.151
46-26-S	40,21	40,21	-2943,77	-88,03	2.763
46-27-S	40,21	40,21	-2950,20	-81,12	2.537
46-28-S	40,21	40,21	-2955,14	-75,82	2.309
46-29-S	40,21	40,21	-2959,15	-71,51	2.114
46-30-S	40,21	40,21	-2962,52	-67,89	1.949
46-31-S	40,21	40,21	-2965,35	-64,85	1.818
46-32-S	40,21	40,21	-2968,16	-61,83	1.700
46-33-S	40,21	40,21	-2970,90	-58,89	1.599
46-34-S	40,21	40,21	-2973,46	-56,14	1.507
46-35-S	40,21	40,21	-2975,79	-53,64	1.422
46-36-S	40,21	40,21	-2978,05	-51,21	1.342
46-37-S	40,21	40,21	-2979,62	-49,52	1.297
46-38-S	40,21	40,21	-2980,82	-48,23	1.273
46-39-S	40,21	40,21	-2982,61	-46,31	1.245
46-40-S	40,21	40,21	-2985,82	-42,86	1.221
46-41-S	40,21	56,30	3028,95	-5,76	1.489
46-42-S	40,21	56,30	3470,26	-8,69	1.552
46-43-S	40,21	72,38	4027,11	-13,03	1.651
46-44-S	40,21	80,42	4467,89	-17,68	1.661
46-45-S	64,34	96,51	7825,89	-37,44	2.623
46-46-S	64,34	104,55	8523,96	-46,59	2.601
46-47-S	64,34	96,51	8512,28	-49,94	2.365
46-48-S	64,34	88,47	8502,01	-51,99	2.115
46-49-S	64,34	80,42	8492,24	-53,20	1.907
46-50-S	64,34	64,34	8473,68	-53,09	1.699
46-51-S	64,34	56,30	8464,26	-51,94	1.497
46-52-S	64,34	56,30	8470,97	-47,85	1.261
46-53-S	64,34	56,30	8478,88	-43,03	1.060
46-54-S	80,42	56,30	10569,23	-49,69	1.165
46-55-S	80,42	56,30	10573,45	-47,10	1.066
46-56-S	80,42	56,30	10568,70	-50,02	1.167
46-57-S	64,34	56,30	8477,71	-43,75	1.065
46-58-S	64,34	56,30	8468,60	-49,29	1.273
46-59-S	64,34	56,30	8461,86	-53,40	1.500
46-60-S	64,34	64,34	8471,34	-54,52	1.699
46-61-S	64,34	80,42	8616,08	22,36	1.815
46-62-S	64,34	88,47	8632,88	27,79	1.717

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
46-63-S	64,34	96,51	8649,79	33,82	1.638
46-64-S	64,34	104,55	8485,53	39,27	1.555
46-65-S	64,34	96,51	7943,16	40,63	1.416
46-66-S	64,34	80,42	7209,57	38,66	1.250
46-67-S	64,34	72,38	6482,86	36,17	1.113
46-68-S	80,42	56,30	6931,26	38,49	1.193
46-69-S	80,42	56,30	6038,29	33,09	1.042
46-70-S	80,42	40,21	6009,04	37,19	1.060
46-71-S	80,42	40,21	6012,17	40,75	1.091
46-72-S	80,42	40,21	6014,20	43,06	1.118
46-73-S	80,42	40,21	6015,77	44,85	1.164
46-74-S	80,42	40,21	6017,51	46,82	1.224
46-75-S	64,34	40,21	4839,72	39,41	1.031
46-76-S	64,34	40,21	4841,39	41,28	1.079
46-77-S	64,34	40,21	4842,95	43,03	1.148
46-78-S	64,34	40,21	4844,65	44,95	1.229
46-79-S	64,34	40,21	4846,62	47,17	1.313
46-80-S	64,34	40,21	4848,83	49,65	1.397
46-81-S	64,34	40,21	4850,98	52,07	1.498
46-82-S	40,21	40,21	3056,67	34,29	1.024
46-83-S	40,21	40,21	3058,34	36,14	1.118
46-84-S	40,21	40,21	3061,06	39,16	1.223
46-85-S	40,21	56,30	3074,40	43,85	1.340
46-86-S	40,21	80,42	3088,03	49,58	1.480
46-87-S	40,21	80,42	3094,27	56,34	1.650
46-88-S	40,21	80,42	3102,06	64,78	1.866
46-89-S	40,21	64,34	2841,76	63,83	1.958
46-90-S	40,21	40,21	2055,49	40,11	1.626
46-91-S	40,21	40,21	1802,03	36,57	1.640
46-92-S	40,21	40,21	1806,21	44,32	1.933
46-93-S	40,21	40,21	1812,21	55,48	2.372
46-94-S	40,21	40,21	1821,41	72,56	3.067
46-95-S	40,21	40,21	1831,17	90,68	3.983
46-96-S	40,21	40,21	1834,82	97,46	4.830
46-97-S	40,21	40,21	-1782,61	0,50	3.996
46-98-S	40,21	40,21	-1782,89	1,03	3.335
46-99-S	40,21	40,21	-1801,88	36,57	2.986
46-100-S	40,21	40,21	-1799,29	31,73	3.135
46-101-S	40,21	40,21	-1783,26	1,73	3.603
46-102-S	40,21	40,21	-1783,40	1,98	4.226
46-103-S	40,21	40,21	-1783,59	2,33	5.120
46-104-S	40,21	40,21	-1783,88	2,89	6.533
46-105-S	40,21	40,21	-1783,96	3,02	7.746
46-106-S	40,21	40,21	-1783,76	2,66	8.436
46-107-S	40,21	40,21	-1783,53	2,23	9.218
46-108-S	40,21	40,21	-1783,27	1,74	10.104
46-109-S	40,21	40,21	-1782,93	1,22	11.199
47-1-S	40,21	40,21	-1779,15	-2,03	15.601
47-2-S	40,21	40,21	-1781,53	-1,47	10.008
47-3-S	40,21	40,21	-1782,00	-0,61	8.859
47-4-S	40,21	40,21	-1782,39	0,10	7.982
47-5-S	40,21	40,21	-1782,74	0,74	7.344
47-6-S	40,21	40,21	-1782,86	0,98	6.351
47-7-S	40,21	40,21	-1782,82	0,90	5.469
47-8-S	40,21	40,21	-1782,81	0,88	4.860
47-9-S	40,21	40,21	-1782,80	0,87	4.380
47-10-S	40,21	40,21	-1782,81	0,87	3.960
47-11-S	40,21	40,21	-1782,62	0,53	4.200
47-12-S	40,21	40,21	-1782,18	-0,29	5.030
47-13-S	40,21	40,21	-1781,50	-1,53	5.868
47-14-S	40,21	40,21	-1731,97	-91,23	5.345
47-15-S	40,21	40,21	-1733,37	-88,68	4.799
47-16-S	40,21	40,21	-1738,49	-79,41	4.240
47-17-S	40,21	40,21	-1743,99	-69,45	3.756
47-18-S	40,21	40,21	-1748,51	-61,26	3.370
47-19-S	40,21	40,21	-1751,82	-55,28	3.067
47-20-S	40,21	40,21	-1753,69	-51,88	2.840
47-21-S	40,21	48,25	-2662,01	-94,45	4.006

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
47-22-S	40,21	64,34	-4273,09	-161,33	5.862
47-23-S	40,21	80,42	-5786,75	-208,80	7.230
47-24-S	40,21	80,42	-5807,69	-185,73	6.637
47-25-S	40,21	72,38	-5255,23	-149,82	5.532
47-26-S	40,21	56,30	-4117,67	-105,16	4.016
47-27-S	40,21	40,21	-2962,28	-68,15	2.686
47-28-S	40,21	40,21	-2967,13	-62,94	2.510
47-29-S	40,21	40,21	-2970,56	-59,25	2.373
47-30-S	40,21	40,21	-2973,16	-56,46	2.251
47-31-S	40,21	40,21	-2975,54	-53,90	2.139
47-32-S	40,21	40,21	-2977,73	-51,55	2.036
47-33-S	40,21	40,21	-2979,91	-49,21	1.931
47-34-S	40,21	40,21	-2981,58	-47,42	1.868
47-35-S	40,21	40,21	-2982,83	-46,07	1.845
47-36-S	40,21	40,21	-2984,21	-44,59	1.815
47-37-S	40,21	40,21	-2985,64	-43,05	1.781
47-38-S	40,21	40,21	3016,69	-9,65	1.684
47-39-S	40,21	40,21	3016,53	-9,82	1.526
47-40-S	40,21	40,21	3016,39	-9,98	1.390
47-41-S	40,21	40,21	3016,27	-10,10	1.277
47-42-S	40,21	40,21	3016,11	-10,27	1.178
47-43-S	40,21	40,21	3015,86	-10,54	1.062
47-44-S	64,34	40,21	4788,84	-17,20	1.536
47-45-S	64,34	40,21	4788,41	-17,67	1.410
47-46-S	64,34	40,21	4786,89	-19,31	1.289
47-47-S	64,34	40,21	5521,45	-24,14	1.355
47-48-S	64,34	48,25	5531,75	-26,10	1.248
47-49-S	64,34	48,25	6265,12	-31,55	1.297
47-50-S	64,34	56,30	6275,70	-32,05	1.185
47-51-S	64,34	56,30	6275,10	-32,54	1.100
47-52-S	64,34	48,25	6997,57	-36,80	1.150
47-53-S	64,34	48,25	6998,61	-36,03	1.095
47-54-S	64,34	40,21	6985,17	-35,81	1.083
47-55-S	64,34	48,25	6998,59	-36,04	1.096
47-56-S	64,34	48,25	6630,59	-34,87	1.087
47-57-S	64,34	56,30	6275,05	-32,58	1.097
47-58-S	64,34	56,30	6275,49	-32,22	1.189
47-59-S	64,34	48,25	6265,02	-31,64	1.297
47-60-S	64,34	48,25	5531,59	-26,25	1.246
47-61-S	64,34	40,21	5561,98	14,53	1.352
47-62-S	64,34	40,21	4816,06	12,78	1.117
47-63-S	64,34	40,21	4817,95	14,91	1.085
47-64-S	64,34	40,21	4819,80	16,99	1.058
47-65-S	64,34	40,21	4821,31	18,69	1.032
47-66-S	64,34	40,21	4822,78	20,35	1.028
47-67-S	64,34	40,21	4823,92	21,62	1.025
47-68-S	64,34	40,21	4824,84	22,66	1.020
47-69-S	64,34	40,21	4825,81	23,75	1.035
47-70-S	64,34	40,21	4826,83	24,91	1.056
47-71-S	64,34	40,21	4827,99	26,21	1.075
47-72-S	64,34	40,21	4829,20	27,57	1.095
47-73-S	64,34	40,21	4830,35	28,86	1.143
47-74-S	64,34	40,21	4831,61	30,28	1.192
47-75-S	64,34	40,21	4833,01	31,86	1.241
47-76-S	64,34	40,21	4834,54	33,57	1.291
47-77-S	64,34	40,21	4835,95	35,17	1.363
47-78-S	64,34	40,21	4837,49	36,89	1.448
47-79-S	64,34	40,21	4839,23	38,85	1.544
47-80-S	40,21	40,21	3049,42	26,25	1.038
47-81-S	40,21	40,21	3051,58	28,65	1.109
47-82-S	40,21	56,30	3063,59	32,00	1.200
47-83-S	40,21	72,38	3073,26	36,01	1.309
47-84-S	40,21	80,42	3079,88	40,76	1.437
47-85-S	40,21	80,42	3085,18	46,50	1.591
47-86-S	40,21	64,34	2826,07	45,23	1.627
47-87-S	40,21	48,25	2307,89	35,56	1.495
47-88-S	40,21	40,21	1795,22	23,92	1.299
47-89-S	40,21	40,21	1796,68	26,64	1.468

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
47-90-S	40,21	40,21	1799,05	31,04	1.698
47-91-S	40,21	40,21	1802,51	37,45	2.017
47-92-S	40,21	40,21	1806,46	44,80	2.386
47-93-S	40,21	40,21	1808,98	49,47	2.673
47-94-S	40,21	40,21	1809,23	49,95	2.921
47-95-S	40,21	40,21	1809,28	50,04	3.267
47-96-S	40,21	40,21	1808,95	49,43	3.772
47-97-S	40,21	40,21	-1782,60	0,49	4.205
47-98-S	40,21	40,21	-1782,79	0,84	3.963
47-99-S	40,21	40,21	-1782,79	0,84	4.383
47-100-S	40,21	40,21	-1782,79	0,84	4.864
47-101-S	40,21	40,21	-1782,80	0,86	5.473
47-102-S	40,21	40,21	-1782,84	0,94	6.354
47-103-S	40,21	40,21	1782,09	-0,45	7.210
47-104-S	40,21	40,21	1781,13	-2,17	7.534
47-105-S	40,21	40,21	1780,20	-3,85	7.812
47-106-S	40,21	40,21	1779,25	-5,57	8.088
47-107-S	24,13	24,13	1067,99	-4,17	7.454
48-1-S	40,21	40,21	-1777,46	-4,11	18.325
48-2-S	40,21	40,21	-1780,16	-3,95	11.073
48-3-S	40,21	40,21	-1781,03	-2,38	10.302
48-4-S	40,21	40,21	-1781,75	-1,06	9.627
48-5-S	40,21	40,21	-1782,11	-0,42	8.924
48-6-S	40,21	40,21	-1782,00	-0,61	7.959
48-7-S	40,21	40,21	-1781,83	-0,93	7.103
48-8-S	40,21	40,21	-1781,68	-1,20	6.397
48-9-S	40,21	40,21	-1781,50	-1,51	5.777
48-10-S	40,21	40,21	-1781,21	-2,06	5.348
48-11-S	40,21	40,21	-1780,66	-3,04	5.205
48-12-S	40,21	40,21	-1780,00	-4,25	5.196
48-13-S	40,21	40,21	-1759,90	-40,63	5.053
48-14-S	40,21	40,21	-1758,10	-43,89	4.502
48-15-S	40,21	40,21	-1755,86	-47,95	4.029
48-16-S	40,21	40,21	-1754,24	-50,90	3.794
48-17-S	40,21	40,21	-1751,75	-55,40	3.619
48-18-S	40,21	40,21	-1749,71	-59,10	3.446
48-19-S	40,21	40,21	-1749,73	-59,06	3.249
48-20-S	40,21	40,21	-1753,65	-51,96	2.999
48-21-S	40,21	40,21	-1757,05	-45,79	2.781
48-22-S	40,21	48,25	-2391,52	-62,30	3.505
48-23-S	40,21	64,34	-3928,35	-110,81	5.277
48-24-S	40,21	72,38	-5251,63	-153,77	6.448
48-25-S	40,21	80,42	3015,20	-28,45	5.816
48-26-S	40,21	72,38	3015,54	-25,91	4.922
48-27-S	40,21	56,30	3011,71	-24,04	4.257
48-28-S	40,21	48,25	-3559,65	-66,89	3.589
48-29-S	40,21	40,21	-2978,90	-50,29	2.865
48-30-S	40,21	40,21	-2982,94	-45,95	2.716
48-31-S	40,21	40,21	-2985,26	-43,46	2.623
48-32-S	40,21	40,21	3008,90	-17,97	2.436
48-33-S	40,21	40,21	3009,60	-17,23	2.203
48-34-S	40,21	40,21	3010,18	-16,61	2.011
48-35-S	40,21	40,21	3010,66	-16,09	1.850
48-36-S	40,21	40,21	3011,08	-15,65	1.702
48-37-S	40,21	40,21	3011,37	-15,33	1.546
48-38-S	40,21	40,21	3011,62	-15,07	1.415
48-39-S	40,21	40,21	3011,83	-14,84	1.304
48-40-S	40,21	40,21	3012,02	-14,64	1.209
48-41-S	40,21	40,21	3012,20	-14,45	1.112
48-42-S	40,21	40,21	3012,36	-14,27	1.022
48-43-S	56,30	40,21	4196,36	-19,67	1.320
48-44-S	56,30	40,21	4196,53	-19,49	1.231
48-45-S	56,30	40,21	4196,75	-19,25	1.147
48-46-S	56,30	40,21	4196,99	-18,99	1.072
48-47-S	56,30	40,21	4197,19	-18,78	1.009
48-48-S	72,38	40,21	5370,13	-23,78	1.222
48-49-S	72,38	40,21	5370,35	-23,54	1.167
48-50-S	72,38	40,21	5370,57	-23,30	1.128

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
48-51-S	72,38	40,21	5370,71	-23,15	1.096
48-52-S	72,38	40,21	5370,81	-23,04	1.076
48-53-S	72,38	40,21	5370,82	-23,03	1.078
48-54-S	72,38	40,21	5370,75	-23,11	1.099
48-55-S	72,38	40,21	5370,63	-23,24	1.132
48-56-S	72,38	40,21	5370,49	-23,39	1.169
48-57-S	72,38	40,21	5370,29	-23,61	1.221
48-58-S	56,30	40,21	4197,27	-18,70	1.009
48-59-S	56,30	40,21	4197,00	-18,98	1.077
48-60-S	56,30	40,21	4196,80	-19,21	1.152
48-61-S	56,30	40,21	4223,11	9,54	1.180
48-62-S	56,30	40,21	4223,79	10,30	1.140
48-63-S	56,30	40,21	4224,47	11,06	1.116
48-64-S	56,30	40,21	4225,12	11,79	1.106
48-65-S	56,30	40,21	4225,86	12,61	1.096
48-66-S	56,30	40,21	4226,68	13,54	1.085
48-67-S	56,30	40,21	4227,49	14,44	1.090
48-68-S	56,30	40,21	4228,28	15,32	1.107
48-69-S	56,30	40,21	4229,10	16,24	1.123
48-70-S	56,30	40,21	4229,95	17,20	1.137
48-71-S	56,30	40,21	4230,84	18,19	1.161
48-72-S	56,30	40,21	4231,71	19,17	1.202
48-73-S	56,30	40,21	4232,67	20,24	1.247
48-74-S	56,30	40,21	4233,81	21,51	1.295
48-75-S	56,30	40,21	4235,24	23,11	1.344
48-76-S	40,21	40,21	3042,02	18,06	1.016
48-77-S	40,21	48,25	3048,91	20,26	1.078
48-78-S	40,21	56,30	3055,44	23,07	1.144
48-79-S	40,21	72,38	3064,31	26,29	1.220
48-80-S	40,21	80,42	3069,87	29,92	1.304
48-81-S	40,21	72,38	3071,42	34,02	1.406
48-82-S	40,21	64,34	2559,37	27,34	1.286
48-83-S	40,21	48,25	2046,92	20,39	1.136
48-84-S	40,21	40,21	1792,19	18,30	1.104
48-85-S	40,21	40,21	1793,94	21,55	1.238
48-86-S	40,21	40,21	1796,17	25,69	1.409
48-87-S	40,21	40,21	1797,07	27,36	1.591
48-88-S	40,21	40,21	1797,07	27,36	1.783
48-89-S	40,21	40,21	1796,78	26,81	1.993
48-90-S	40,21	40,21	1796,54	26,38	2.211
48-91-S	40,21	40,21	1794,65	22,85	2.338
48-92-S	40,21	40,21	1793,21	20,19	2.504
48-93-S	40,21	40,21	1792,07	18,06	2.723
48-94-S	40,21	40,21	1790,63	15,40	2.973
48-95-S	40,21	40,21	1789,58	13,44	3.223
48-96-S	40,21	40,21	1789,52	13,33	3.440
48-97-S	40,21	40,21	1788,52	11,48	3.643
48-98-S	40,21	40,21	1786,64	7,99	3.878
48-99-S	40,21	40,21	1784,47	3,96	4.149
48-100-S	40,21	40,21	1782,05	-0,52	4.478
48-101-S	40,21	40,21	1780,77	-2,83	4.774
48-102-S	40,21	40,21	1779,74	-4,68	5.043
48-103-S	40,21	40,21	1778,51	-6,89	5.353
48-104-S	24,13	24,13	1067,03	-4,46	5.915
49-1-S	32,17	32,17	-1419,41	-8,22	21.168
49-2-S	32,17	32,17	-1421,85	-9,47	11.503
49-3-S	40,21	40,21	-1775,93	-11,61	12.671
49-4-S	40,21	40,21	-1776,21	-11,10	11.684
49-5-S	40,21	40,21	-1776,49	-10,60	10.717
49-6-S	40,21	40,21	-1776,82	-10,00	9.532
49-7-S	40,21	40,21	-1777,22	-9,27	8.163
49-8-S	40,21	40,21	-1777,57	-8,64	6.986
49-9-S	40,21	40,21	-1777,83	-8,17	6.108
49-10-S	40,21	40,21	-1777,93	-7,98	5.481
49-11-S	40,21	40,21	-1777,78	-8,25	4.886
49-12-S	40,21	40,21	-1778,22	-7,46	3.745
49-13-S	40,21	40,21	-1778,61	-6,76	2.922
49-14-S	40,21	40,21	-1778,17	-7,55	3.088

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
49-15-S	40,21	40,21	-1758,53	-43,12	3.798
49-16-S	40,21	40,21	-1753,52	-52,20	3.784
49-17-S	40,21	40,21	-1748,49	-61,30	3.786
49-18-S	40,21	40,21	-1751,09	-56,59	3.525
49-19-S	40,21	40,21	-1754,99	-49,52	3.268
49-20-S	40,21	40,21	-1758,17	-43,78	3.079
49-21-S	40,21	40,21	-1760,83	-38,95	2.941
49-22-S	40,21	40,21	-1762,98	-35,07	2.841
49-23-S	40,21	40,21	-2004,47	-42,18	3.110
49-24-S	40,21	56,30	2270,33	-22,48	4.004
49-25-S	40,21	64,34	2518,31	-25,27	3.846
49-26-S	40,21	72,38	2765,64	-28,29	3.712
49-27-S	40,21	80,42	3012,30	-31,51	3.596
49-28-S	40,21	72,38	3012,11	-29,53	3.215
49-29-S	40,21	56,30	3008,31	-27,65	2.839
49-30-S	40,21	48,25	3005,94	-26,15	2.536
49-31-S	40,21	40,21	3002,42	-24,90	2.292
49-32-S	40,21	40,21	3003,43	-23,82	2.093
49-33-S	40,21	40,21	3004,33	-22,86	1.926
49-34-S	40,21	40,21	3005,12	-22,01	1.774
49-35-S	40,21	40,21	3005,82	-21,27	1.622
49-36-S	40,21	40,21	3006,44	-20,60	1.495
49-37-S	40,21	40,21	3006,99	-20,01	1.386
49-38-S	40,21	40,21	3007,46	-19,52	1.294
49-39-S	40,21	40,21	3007,88	-19,07	1.212
49-40-S	40,21	40,21	3008,27	-18,65	1.131
49-41-S	40,21	40,21	3008,62	-18,27	1.060
49-42-S	56,30	40,21	4191,44	-24,99	1.388
49-43-S	56,30	40,21	4191,82	-24,58	1.312
49-44-S	56,30	40,21	4192,17	-24,19	1.245
49-45-S	56,30	40,21	4192,51	-23,84	1.190
49-46-S	56,30	40,21	4192,77	-23,55	1.145
49-47-S	56,30	40,21	4192,99	-23,31	1.107
49-48-S	56,30	40,21	4193,19	-23,10	1.073
49-49-S	56,30	40,21	4193,34	-22,94	1.050
49-50-S	56,30	40,21	4193,41	-22,86	1.041
49-51-S	56,30	40,21	4193,44	-22,83	1.039
49-52-S	56,30	40,21	4193,42	-22,85	1.044
49-53-S	56,30	40,21	4193,37	-22,90	1.052
49-54-S	56,30	40,21	4193,25	-23,03	1.072
49-55-S	56,30	40,21	4193,03	-23,27	1.106
49-56-S	56,30	40,21	4192,76	-23,56	1.151
49-57-S	56,30	40,21	4192,50	-23,84	1.200
49-58-S	56,30	40,21	4192,22	-24,14	1.253
49-59-S	56,30	40,21	4191,89	-24,50	1.316
49-60-S	56,30	40,21	4191,47	-24,95	1.393
49-61-S	56,30	40,21	4220,37	6,47	1.376
49-62-S	56,30	40,21	4220,96	7,13	1.356
49-63-S	56,30	40,21	4221,62	7,87	1.335
49-64-S	56,30	40,21	4222,28	8,61	1.314
49-65-S	56,30	40,21	4222,82	9,21	1.316
49-66-S	56,30	40,21	4223,30	9,75	1.330
49-67-S	56,30	40,21	4223,92	10,45	1.344
49-68-S	56,30	40,21	4224,70	11,31	1.357
49-69-S	56,30	40,21	4225,66	12,39	1.369
49-70-S	40,21	40,21	3034,63	9,87	1.013
49-71-S	40,21	40,21	3035,76	11,12	1.048
49-72-S	40,21	48,25	3042,05	12,71	1.086
49-73-S	40,21	56,30	3047,64	14,52	1.125
49-74-S	40,21	72,38	3055,30	16,50	1.168
49-75-S	40,21	80,42	3059,70	18,90	1.228
49-76-S	40,21	72,38	2805,97	18,52	1.198
49-77-S	40,21	64,34	2551,89	17,62	1.160
49-78-S	40,21	56,30	2297,60	16,23	1.112
49-79-S	40,21	40,21	2039,74	14,36	1.050
49-80-S	48,25	40,21	2140,56	14,56	1.172
49-81-S	40,21	40,21	1789,86	13,96	1.049
49-82-S	40,21	40,21	1791,05	16,17	1.133

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
49-83-S	40,21	40,21	1792,45	18,78	1.236
49-84-S	40,21	40,21	1794,16	21,95	1.366
49-85-S	40,21	40,21	1795,74	24,89	1.537
49-86-S	40,21	40,21	1795,73	24,86	1.802
49-87-S	40,21	40,21	1795,31	24,09	2.122
49-88-S	40,21	40,21	1794,30	22,22	2.490
49-89-S	40,21	40,21	1790,89	15,89	2.699
49-90-S	40,21	40,21	1784,45	3,92	2.540
49-91-S	40,21	40,21	1779,44	-5,23	2.458
49-92-S	40,21	40,21	1777,11	-9,42	2.548
49-93-S	40,21	40,21	1776,91	-9,79	2.663
49-94-S	40,21	40,21	1777,04	-9,54	2.783
49-95-S	40,21	40,21	1777,18	-9,29	2.917
49-96-S	40,21	40,21	1777,05	-9,52	3.050
49-97-S	40,21	40,21	1776,27	-10,94	3.188
49-98-S	40,21	40,21	1776,00	-11,42	3.363
49-99-S	40,21	40,21	1775,88	-11,64	3.562
49-100-S	32,17	32,17	1421,83	-9,46	3.191
49-101-S	16,08	16,08	711,33	-4,66	3.198
50-1-S	32,17	32,17	-1453,11	54,82	28.878
50-2-S	32,17	32,17	-1456,08	56,24	13.938
50-3-S	40,21	40,21	-1817,78	66,34	13.229
50-4-S	40,21	40,21	-1814,27	59,77	12.005
50-5-S	40,21	40,21	-1811,38	54,36	10.999
50-6-S	40,21	40,21	-1770,29	-21,83	9.979
50-7-S	40,21	40,21	-1771,42	-19,78	8.691
50-8-S	40,21	40,21	-1772,37	-18,06	7.311
50-9-S	40,21	40,21	-1773,11	-16,71	6.202
50-10-S	40,21	40,21	-1773,66	-15,73	5.394
50-11-S	40,21	40,21	-1774,57	-14,08	4.464
50-12-S	40,21	40,21	-1773,66	-15,71	4.781
50-13-S	40,21	40,21	-1774,65	-13,92	4.758
50-14-S	40,21	40,21	-1769,44	-23,37	4.575
50-15-S	40,21	40,21	-1764,01	-33,20	4.393
50-16-S	40,21	40,21	-1762,38	-36,15	4.228
50-17-S	40,21	40,21	-1763,39	-34,31	4.071
50-18-S	40,21	40,21	-1764,48	-32,35	3.896
50-19-S	40,21	40,21	-1765,36	-30,76	3.714
50-20-S	40,21	40,21	-1766,38	-28,91	3.525
50-21-S	40,21	40,21	-1768,22	-25,58	3.338
50-22-S	40,21	40,21	-1769,95	-22,44	3.168
50-23-S	40,21	40,21	1772,75	-17,28	2.850
50-24-S	40,21	40,21	1773,65	-15,65	2.470
50-25-S	40,21	48,25	2022,78	-18,29	2.454
50-26-S	40,21	48,25	2268,43	-21,06	2.415
50-27-S	40,21	56,30	2516,73	-24,03	2.387
50-28-S	40,21	64,34	2520,46	-22,56	2.153
50-29-S	40,21	72,38	2767,92	-25,67	2.149
50-30-S	40,21	72,38	3012,68	-28,94	2.141
50-31-S	40,21	64,34	3011,43	-27,60	1.973
50-32-S	40,21	56,30	3009,22	-26,68	1.809
50-33-S	40,21	48,25	3006,16	-25,91	1.669
50-34-S	40,21	40,21	3002,06	-25,28	1.552
50-35-S	40,21	40,21	3002,55	-24,76	1.453
50-36-S	40,21	40,21	3003,00	-24,28	1.368
50-37-S	40,21	40,21	3003,44	-23,81	1.292
50-38-S	40,21	40,21	3003,95	-23,27	1.222
50-39-S	40,21	40,21	3004,40	-22,79	1.162
50-40-S	40,21	40,21	3004,80	-22,36	1.109
50-41-S	40,21	40,21	3005,17	-21,96	1.060
50-42-S	40,21	40,21	3005,53	-21,58	1.015
50-43-S	48,25	40,21	3597,91	-25,45	1.172
50-44-S	48,25	40,21	3598,17	-25,18	1.141
50-45-S	48,25	40,21	3598,35	-24,98	1.117
50-46-S	48,25	40,21	3598,47	-24,85	1.099
50-47-S	48,25	40,21	3598,57	-24,74	1.084
50-48-S	48,25	40,21	3598,64	-24,67	1.074
50-49-S	48,25	40,21	3598,62	-24,69	1.076

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
50-50-S	48,25	40,21	3598,54	-24,78	1.087
50-51-S	48,25	40,21	3598,43	-24,90	1.103
50-52-S	48,25	40,21	3598,30	-25,03	1.123
50-53-S	48,25	40,21	3598,16	-25,18	1.144
50-54-S	48,25	40,21	3597,96	-25,40	1.174
50-55-S	40,21	40,21	3005,60	-21,51	1.015
50-56-S	40,21	40,21	3005,22	-21,91	1.062
50-57-S	40,21	40,21	3004,83	-22,33	1.113
50-58-S	40,21	40,21	3004,41	-22,78	1.169
50-59-S	40,21	40,21	3028,40	2,96	1.186
50-60-S	40,21	40,21	3028,73	3,33	1.163
50-61-S	40,21	40,21	3029,20	3,85	1.146
50-62-S	40,21	40,21	3029,97	4,71	1.151
50-63-S	40,21	40,21	3030,83	5,66	1.158
50-64-S	40,21	48,25	3036,62	6,72	1.166
50-65-S	40,21	56,30	3041,53	7,83	1.174
50-66-S	40,21	64,34	3045,74	8,95	1.181
50-67-S	40,21	72,38	3049,66	10,37	1.215
50-68-S	40,21	72,38	2798,86	10,13	1.157
50-69-S	40,21	64,34	2545,75	9,65	1.092
50-70-S	40,21	56,30	2544,13	11,00	1.132
50-71-S	40,21	48,25	2290,41	10,18	1.059
50-72-S	48,25	48,25	2392,27	10,81	1.149
50-73-S	48,25	40,21	2137,04	7,97	1.076
50-74-S	48,25	40,21	2136,95	7,81	1.133
50-75-S	40,21	40,21	1786,18	7,14	1.005
50-76-S	40,21	40,21	1786,76	8,21	1.071
50-77-S	40,21	40,21	1787,37	9,34	1.141
50-78-S	40,21	40,21	1787,68	9,91	1.200
50-79-S	40,21	40,21	1787,96	10,44	1.260
50-80-S	40,21	40,21	1788,37	11,19	1.331
50-81-S	40,21	40,21	1788,83	12,06	1.413
50-82-S	40,21	40,21	1788,55	11,53	1.529
50-83-S	40,21	40,21	1787,02	8,69	1.705
50-84-S	40,21	40,21	1785,35	5,59	1.918
50-85-S	40,21	40,21	1783,50	2,16	2.172
50-86-S	40,21	40,21	1781,19	-2,07	2.417
50-87-S	40,21	40,21	1778,94	-6,12	2.420
50-88-S	40,21	40,21	1777,65	-8,45	2.476
50-89-S	40,21	40,21	1776,27	-10,93	2.534
50-90-S	40,21	40,21	1775,11	-13,02	2.610
50-91-S	40,21	40,21	1774,88	-13,44	2.714
50-92-S	40,21	40,21	1774,66	-13,84	2.798
50-93-S	40,21	40,21	1774,38	-14,34	2.878
50-94-S	40,21	40,21	1774,08	-14,88	2.964
50-95-S	32,17	32,17	1419,30	-12,16	3.010
50-96-S	16,08	16,08	709,72	-6,04	3.176
51-1-S	24,13	24,13	1067,72	0,00	23.521
51-2-S	24,13	24,13	1069,98	0,00	11.295
51-3-S	40,21	40,21	1782,23	0,00	12.278
51-4-S	40,21	40,21	-1816,18	63,34	11.162
51-5-S	40,21	40,21	1763,88	-33,25	10.089
51-6-S	40,21	40,21	1765,12	-31,03	9.111
51-7-S	40,21	40,21	1765,87	-29,66	8.369
51-8-S	40,21	40,21	1766,30	-28,89	7.754
51-9-S	40,21	40,21	1767,60	-26,55	6.807
51-10-S	40,21	40,21	1768,71	-24,56	6.016
51-11-S	40,21	40,21	1769,61	-22,94	5.378
51-12-S	40,21	40,21	1770,34	-21,63	4.859
51-13-S	40,21	40,21	1770,78	-20,83	4.474
51-14-S	40,21	40,21	1770,69	-20,99	4.249
51-15-S	40,21	40,21	1770,49	-21,34	4.068
51-16-S	40,21	40,21	1770,28	-21,73	3.899
51-17-S	40,21	40,21	1770,09	-22,07	3.741
51-18-S	40,21	40,21	1769,45	-23,23	3.711
51-19-S	40,21	40,21	1769,39	-23,33	3.548
51-20-S	40,21	40,21	1770,35	-21,60	3.163
51-21-S	40,21	40,21	1771,30	-19,88	2.809

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
51-22-S	40,21	40,21	1772,46	-17,80	2.435
51-23-S	40,21	40,21	1773,49	-15,95	2.110
51-24-S	40,21	40,21	1774,13	-14,79	1.878
51-25-S	40,21	40,21	1774,67	-13,81	1.685
51-26-S	40,21	40,21	1775,13	-12,99	1.524
51-27-S	40,21	40,21	1775,44	-12,42	1.403
51-28-S	40,21	40,21	2021,20	-15,46	1.492
51-29-S	40,21	48,25	2024,78	-15,13	1.405
51-30-S	40,21	48,25	2270,34	-18,38	1.467
51-31-S	40,21	56,30	2273,59	-17,91	1.374
51-32-S	40,21	56,30	2518,80	-21,40	1.428
51-33-S	40,21	56,30	2519,17	-20,94	1.345
51-34-S	40,21	56,30	2763,66	-24,68	1.395
51-35-S	40,21	56,30	2764,07	-24,21	1.321
51-36-S	40,21	56,30	3007,98	-28,00	1.367
51-37-S	40,21	48,25	3004,80	-27,36	1.306
51-38-S	40,21	56,30	3009,05	-26,87	1.258
51-39-S	40,21	48,25	3005,73	-26,37	1.214
51-40-S	40,21	48,25	3006,11	-25,97	1.179
51-41-S	40,21	48,25	3006,45	-25,60	1.146
51-42-S	40,21	40,21	3002,00	-25,36	1.122
51-43-S	40,21	40,21	3002,11	-25,23	1.106
51-44-S	40,21	40,21	3002,21	-25,12	1.092
51-45-S	40,21	40,21	3002,28	-25,06	1.083
51-46-S	40,21	40,21	3002,31	-25,02	1.079
51-47-S	40,21	40,21	3002,31	-25,02	1.080
51-48-S	40,21	40,21	3002,25	-25,08	1.088
51-49-S	40,21	40,21	3002,13	-25,21	1.105
51-50-S	40,21	40,21	3001,97	-25,38	1.127
51-51-S	40,21	48,25	3006,43	-25,63	1.154
51-52-S	40,21	48,25	3006,14	-25,94	1.185
51-53-S	40,21	48,25	3005,76	-26,34	1.221
51-54-S	40,21	56,30	3009,11	-26,80	1.262
51-55-S	40,21	48,25	3004,88	-27,28	1.308
51-56-S	40,21	56,30	3008,06	-27,92	1.370
51-57-S	40,21	56,30	2759,86	3,03	1.283
51-58-S	40,21	56,30	2760,45	3,75	1.279
51-59-S	40,21	56,30	2483,11	3,76	1.157
51-60-S	40,21	56,30	2483,61	4,42	1.162
51-61-S	40,21	56,30	2205,93	4,02	1.037
51-62-S	40,21	48,25	2203,37	4,48	1.040
51-63-S	48,25	48,25	2305,60	4,57	1.093
51-64-S	48,25	40,21	2301,32	5,54	1.103
51-65-S	48,25	40,21	2135,71	5,50	1.048
51-66-S	48,25	40,21	2136,30	6,59	1.085
51-67-S	48,25	40,21	2136,93	7,77	1.133
51-68-S	48,25	40,21	2137,61	9,05	1.185
51-69-S	40,21	40,21	1786,99	8,63	1.040
51-70-S	40,21	40,21	1786,82	8,32	1.111
51-71-S	40,21	40,21	1785,98	6,76	1.187
51-72-S	40,21	40,21	1784,92	4,79	1.256
51-73-S	40,21	40,21	1783,71	2,54	1.325
51-74-S	40,21	40,21	1782,33	-0,02	1.345
51-75-S	40,21	40,21	1781,20	-2,05	1.349
51-76-S	40,21	40,21	1780,80	-2,78	1.402
51-77-S	40,21	40,21	1780,38	-3,54	1.458
51-78-S	40,21	40,21	1780,27	-3,72	1.510
51-79-S	40,21	40,21	1780,62	-3,10	1.561
51-80-S	40,21	40,21	1780,21	-3,84	1.642
51-81-S	40,21	40,21	1779,45	-5,21	1.740
51-82-S	40,21	40,21	1778,58	-6,77	1.853
51-83-S	40,21	40,21	1777,59	-8,56	1.980
51-84-S	40,21	40,21	1776,65	-10,25	2.117
51-85-S	40,21	40,21	1776,02	-11,39	2.186
51-86-S	40,21	40,21	1775,45	-12,41	2.267
51-87-S	40,21	40,21	1775,00	-13,23	2.369
51-88-S	40,21	40,21	1774,51	-14,11	2.482
51-89-S	40,21	40,21	1773,93	-14,95	2.632

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
51-90-S	24,13	24,13	1064,87	-9,21	2.412
51-91-S	8,04	8,04	355,76	-3,15	1.678
52-1-S	16,08	16,08	704,60	-13,42	12.548
52-2-S	16,08	16,08	707,07	-12,67	5.518
52-3-S	32,17	32,17	1412,74	-24,01	6.522
52-4-S	40,21	40,21	1766,33	-28,84	6.113
52-5-S	40,21	40,21	1766,74	-28,10	5.702
52-6-S	40,21	40,21	1767,11	-27,44	5.337
52-7-S	40,21	40,21	1767,43	-26,86	5.017
52-8-S	40,21	40,21	1767,82	-26,15	4.700
52-9-S	40,21	40,21	1768,16	-25,55	4.418
52-10-S	40,21	40,21	1768,21	-25,46	4.221
52-11-S	40,21	40,21	1768,26	-25,36	4.035
52-12-S	40,21	40,21	1768,30	-25,29	3.868
52-13-S	40,21	40,21	1768,33	-25,24	3.708
52-14-S	40,21	40,21	1767,99	-25,86	3.597
52-15-S	40,21	40,21	1766,96	-27,71	3.647
52-16-S	40,21	40,21	1765,67	-30,03	3.755
52-17-S	40,21	40,21	1767,07	-27,50	3.337
52-18-S	40,21	40,21	1769,39	-23,34	2.775
52-19-S	40,21	40,21	1771,04	-20,36	2.373
52-20-S	40,21	40,21	1772,28	-18,12	2.070
52-21-S	40,21	40,21	1773,18	-16,50	1.844
52-22-S	40,21	40,21	1773,52	-15,90	1.721
52-23-S	40,21	40,21	1773,63	-15,68	1.638
52-24-S	40,21	40,21	1773,75	-15,47	1.560
52-25-S	40,21	40,21	1773,88	-15,24	1.486
52-26-S	40,21	40,21	1774,01	-15,01	1.416
52-27-S	40,21	40,21	1774,14	-14,76	1.349
52-28-S	40,21	40,21	1774,44	-14,24	1.264
52-29-S	40,21	40,21	1774,78	-13,62	1.179
52-30-S	40,21	40,21	1775,08	-13,08	1.106
52-31-S	40,21	40,21	1775,35	-12,59	1.043
52-32-S	48,25	40,21	2124,75	-14,53	1.181
52-33-S	48,25	40,21	2124,99	-14,10	1.127
52-34-S	48,25	40,21	2125,14	-13,82	1.089
52-35-S	48,25	40,21	2125,28	-13,57	1.054
52-36-S	48,25	40,21	2125,39	-13,37	1.023
52-37-S	48,25	40,21	2419,75	-17,00	1.132
52-38-S	48,25	40,21	2419,88	-16,80	1.101
52-39-S	48,25	48,25	2424,96	-16,67	1.076
52-40-S	48,25	48,25	2424,90	-16,76	1.072
52-41-S	48,25	48,25	2424,85	-16,84	1.074
52-42-S	48,25	48,25	2424,83	-16,86	1.075
52-43-S	48,25	40,21	2419,86	-16,83	1.073
52-44-S	48,25	48,25	2424,83	-16,86	1.075
52-45-S	48,25	48,25	2424,85	-16,84	1.075
52-46-S	48,25	48,25	2424,91	-16,75	1.073
52-47-S	48,25	48,25	2424,96	-16,66	1.077
52-48-S	48,25	40,21	2419,88	-16,79	1.103
52-49-S	48,25	40,21	2419,75	-17,00	1.134
52-50-S	48,25	40,21	2125,39	-13,37	1.026
52-51-S	48,25	40,21	2125,28	-13,57	1.057
52-52-S	48,25	40,21	2125,14	-13,82	1.092
52-53-S	48,25	40,21	2124,99	-14,09	1.131
52-54-S	48,25	40,21	2124,75	-14,53	1.185
52-55-S	40,21	40,21	1783,26	1,71	1.030
52-56-S	40,21	40,21	1783,11	1,43	1.039
52-57-S	40,21	40,21	1782,99	1,20	1.048
52-58-S	40,21	40,21	1782,90	1,04	1.057
52-59-S	40,21	40,21	1782,87	0,99	1.060
52-60-S	40,21	40,21	1783,16	1,53	1.064
52-61-S	40,21	40,21	1783,62	2,37	1.073
52-62-S	40,21	40,21	1784,07	3,22	1.081
52-63-S	40,21	40,21	1784,54	4,08	1.089
52-64-S	40,21	40,21	1784,97	4,88	1.098
52-65-S	40,21	40,21	1785,20	5,31	1.135
52-66-S	40,21	40,21	1784,68	4,34	1.225

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
52-67-S	40,21	40,21	1783,87	2,84	1.342
52-68-S	40,21	40,21	1782,83	0,91	1.491
52-69-S	40,21	40,21	1781,40	-1,69	1.689
52-70-S	40,21	40,21	1779,19	-5,68	1.804
52-71-S	40,21	40,21	1776,60	-10,34	1.692
52-72-S	40,21	40,21	1774,61	-13,92	1.606
52-73-S	40,21	40,21	1773,38	-16,14	1.586
52-74-S	40,21	40,21	1773,52	-15,90	1.627
52-75-S	40,21	40,21	1773,85	-15,30	1.670
52-76-S	40,21	40,21	1774,19	-14,68	1.716
52-77-S	40,21	40,21	1774,50	-14,13	1.761
52-78-S	40,21	40,21	1774,12	-14,81	1.825
52-79-S	40,21	40,21	1773,78	-15,43	1.892
52-80-S	40,21	40,21	1773,70	-15,56	1.953
52-81-S	40,21	40,21	1773,71	-15,54	2.017
52-82-S	40,21	40,21	1773,71	-15,54	2.085
52-83-S	32,17	32,17	1419,13	-12,50	2.104
52-84-S	16,08	16,08	710,62	-6,29	1.653
52-85-S	8,04	8,04	355,30	-3,16	1.733
53-1-S	16,08	16,08	705,15	-12,01	9.438
53-2-S	16,08	16,08	706,60	-12,11	4.477
53-3-S	24,13	24,13	1059,86	-18,23	4.244
53-4-S	32,17	32,17	1413,02	-24,36	4.096
53-5-S	40,21	40,21	1765,51	-30,32	4.328
53-6-S	40,21	40,21	1765,68	-30,01	4.158
53-7-S	40,21	40,21	1765,85	-29,71	4.000
53-8-S	40,21	40,21	1766,02	-29,40	3.847
53-9-S	40,21	40,21	1766,36	-28,79	3.651
53-10-S	40,21	40,21	1766,90	-27,81	3.386
53-11-S	40,21	40,21	1767,37	-26,97	3.154
53-12-S	40,21	40,21	1767,76	-26,26	2.953
53-13-S	40,21	40,21	1768,09	-25,67	2.777
53-14-S	40,21	40,21	1768,83	-24,33	2.551
53-15-S	40,21	40,21	1769,64	-22,88	2.333
53-16-S	40,21	40,21	1770,41	-21,48	2.136
53-17-S	40,21	40,21	1771,11	-20,23	1.963
53-18-S	40,21	40,21	1771,73	-19,11	1.812
53-19-S	40,21	40,21	1772,06	-18,51	1.710
53-20-S	40,21	40,21	1772,03	-18,58	1.669
53-21-S	40,21	40,21	1771,89	-18,82	1.647
53-22-S	40,21	40,21	1771,66	-19,24	1.642
53-23-S	40,21	40,21	1771,34	-19,82	1.651
53-24-S	40,21	40,21	1771,01	-20,42	1.662
53-25-S	40,21	40,21	1771,15	-20,17	1.614
53-26-S	40,21	40,21	1771,91	-18,80	1.488
53-27-S	40,21	40,21	1772,65	-17,45	1.368
53-28-S	40,21	40,21	1773,35	-16,19	1.256
53-29-S	40,21	40,21	1773,99	-15,04	1.155
53-30-S	40,21	40,21	1774,54	-14,05	1.066
53-31-S	40,21	40,21	1774,65	-13,85	1.040
53-32-S	40,21	40,21	1774,72	-13,72	1.018
53-33-S	48,25	40,21	2123,79	-16,27	1.193
53-34-S	48,25	40,21	2123,87	-16,12	1.166
53-35-S	48,25	40,21	2123,93	-16,02	1.142
53-36-S	48,25	40,21	2123,76	-16,32	1.153
53-37-S	48,25	40,21	2123,57	-16,67	1.166
53-38-S	48,25	40,21	2123,36	-17,05	1.181
53-39-S	48,25	40,21	2123,13	-17,47	1.197
53-40-S	48,25	40,21	2123,13	-17,47	1.198
53-41-S	48,25	40,21	2123,36	-17,05	1.181
53-42-S	48,25	40,21	2123,57	-16,67	1.167
53-43-S	48,25	40,21	2123,76	-16,33	1.154
53-44-S	48,25	40,21	2123,93	-16,02	1.143
53-45-S	48,25	40,21	2123,87	-16,13	1.167
53-46-S	48,25	40,21	2123,78	-16,28	1.194
53-47-S	40,21	40,21	1774,71	-13,74	1.020
53-48-S	40,21	40,21	1774,64	-13,87	1.042
53-49-S	40,21	40,21	1774,53	-14,08	1.069

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
53-50-S	40,21	40,21	1773,98	-15,07	1.157
53-51-S	40,21	40,21	1773,33	-16,22	1.259
53-52-S	40,21	40,21	1772,64	-17,48	1.371
53-53-S	40,21	40,21	1781,80	-0,97	1.452
53-54-S	40,21	40,21	1781,18	-2,09	1.492
53-55-S	40,21	40,21	1780,58	-3,16	1.475
53-56-S	40,21	40,21	1780,05	-4,13	1.421
53-57-S	40,21	40,21	1779,56	-5,02	1.370
53-58-S	40,21	40,21	1779,23	-5,60	1.330
53-59-S	40,21	40,21	1779,09	-5,85	1.301
53-60-S	40,21	40,21	1779,13	-5,79	1.283
53-61-S	40,21	40,21	1779,01	-6,00	1.313
53-62-S	40,21	40,21	1778,33	-7,22	1.382
53-63-S	40,21	40,21	1777,74	-8,28	1.455
53-64-S	40,21	40,21	1777,18	-9,30	1.531
53-65-S	40,21	40,21	1776,75	-10,07	1.605
53-66-S	40,21	40,21	1776,35	-10,79	1.669
53-67-S	40,21	40,21	1775,70	-11,96	1.693
53-68-S	40,21	40,21	1775,06	-13,12	1.718
53-69-S	40,21	40,21	1774,43	-14,25	1.745
53-70-S	40,21	40,21	1773,79	-15,40	1.774
53-71-S	40,21	40,21	1773,66	-15,64	1.814
53-72-S	40,21	40,21	1773,51	-15,90	1.850
53-73-S	40,21	40,21	1773,31	-16,27	1.883
53-74-S	40,21	40,21	1773,10	-16,65	1.917
53-75-S	32,17	32,17	1418,99	-13,60	1.762
53-76-S	24,13	24,13	1064,27	-10,29	1.768
53-77-S	16,08	16,08	709,48	-6,92	1.802
53-78-S	8,04	8,04	354,73	-3,49	1.837
54-1-S	8,04	8,04	352,87	-6,24	4.360
54-2-S	8,04	8,04	354,30	-6,16	2.072
54-3-S	16,08	16,08	707,40	-12,09	2.617
54-4-S	24,13	24,13	1060,52	-17,64	2.830
54-5-S	32,17	32,17	1413,82	-22,60	2.884
54-6-S	40,21	40,21	1767,17	-27,34	2.896
54-7-S	40,21	40,21	1767,66	-26,45	2.722
54-8-S	40,21	40,21	1768,07	-25,70	2.571
54-9-S	40,21	40,21	1768,20	-25,48	2.463
54-10-S	40,21	40,21	1768,26	-25,36	2.365
54-11-S	40,21	40,21	1768,40	-25,12	2.263
54-12-S	40,21	40,21	1768,64	-24,68	2.153
54-13-S	40,21	40,21	1768,97	-24,09	2.044
54-14-S	40,21	40,21	1769,30	-23,48	1.949
54-15-S	40,21	40,21	1769,61	-22,94	1.866
54-16-S	40,21	40,21	1769,62	-22,92	1.826
54-17-S	40,21	40,21	1769,27	-23,55	1.836
54-18-S	40,21	40,21	1768,87	-24,27	1.854
54-19-S	40,21	40,21	1768,65	-24,66	1.853
54-20-S	40,21	40,21	1768,59	-24,77	1.834
54-21-S	40,21	40,21	1768,75	-24,49	1.791
54-22-S	40,21	40,21	1769,56	-23,02	1.661
54-23-S	40,21	40,21	1770,56	-21,21	1.508
54-24-S	40,21	40,21	1771,44	-19,63	1.376
54-25-S	40,21	40,21	1772,15	-18,36	1.269
54-26-S	40,21	40,21	1772,62	-17,50	1.192
54-27-S	40,21	40,21	1772,64	-17,47	1.175
54-28-S	40,21	40,21	1772,61	-17,52	1.166
54-29-S	40,21	40,21	1772,58	-17,59	1.157
54-30-S	40,21	40,21	1772,55	-17,64	1.147
54-31-S	40,21	40,21	1772,17	-18,31	1.188
54-32-S	40,21	40,21	1771,52	-19,49	1.264
54-33-S	40,21	40,21	1770,85	-20,71	1.343
54-34-S	40,21	40,21	1770,16	-21,94	1.422
54-35-S	40,21	40,21	1769,66	-22,85	1.475
54-36-S	40,21	40,21	1770,16	-21,94	1.422
54-37-S	40,21	40,21	1770,84	-20,71	1.344
54-38-S	40,21	40,21	1771,52	-19,49	1.265
54-39-S	40,21	40,21	1772,17	-18,32	1.188

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
54-40-S	40,21	40,21	1772,55	-17,64	1.148
54-41-S	40,21	40,21	1772,57	-17,60	1.158
54-42-S	40,21	40,21	1772,61	-17,53	1.167
54-43-S	40,21	40,21	1772,64	-17,48	1.176
54-44-S	40,21	40,21	1772,62	-17,52	1.194
54-45-S	40,21	40,21	1772,14	-18,38	1.271
54-46-S	40,21	40,21	1771,43	-19,65	1.378
54-47-S	40,21	40,21	1770,55	-21,23	1.510
54-48-S	40,21	40,21	1769,54	-23,05	1.663
54-49-S	40,21	40,21	1768,73	-24,52	1.795
54-50-S	40,21	40,21	1777,87	-8,05	1.774
54-51-S	40,21	40,21	1777,17	-9,31	1.715
54-52-S	40,21	40,21	1776,61	-10,32	1.648
54-53-S	40,21	40,21	1776,21	-11,04	1.572
54-54-S	40,21	40,21	1775,92	-11,57	1.509
54-55-S	40,21	40,21	1775,72	-11,92	1.491
54-56-S	40,21	40,21	1775,59	-12,16	1.506
54-57-S	40,21	40,21	1775,45	-12,42	1.527
54-58-S	40,21	40,21	1775,23	-12,82	1.562
54-59-S	40,21	40,21	1774,99	-13,25	1.601
54-60-S	40,21	40,21	1774,79	-13,60	1.636
54-61-S	40,21	40,21	1774,63	-13,89	1.669
54-62-S	40,21	40,21	1774,43	-14,25	1.701
54-63-S	40,21	40,21	1774,19	-14,68	1.741
54-64-S	40,21	40,21	1773,93	-15,15	1.784
54-65-S	32,17	32,17	1419,46	-12,45	1.690
54-66-S	24,13	24,13	1064,98	-9,61	1.566
54-67-S	16,08	16,08	710,47	-6,55	1.384
54-68-S	8,04	8,04	355,87	-3,34	1.057
54-69-S	8,04	8,04	354,46	-3,39	2.139
55-1-S	16,08	8,04	695,54	-10,85	7.041
55-2-S	8,04	8,04	354,23	-5,39	1.689
55-3-S	16,08	16,08	707,15	-10,77	2.270
55-4-S	16,08	16,08	708,01	-10,88	1.735
55-5-S	24,13	24,13	1060,76	-16,40	2.083
55-6-S	32,17	32,17	1413,50	-21,95	2.297
55-7-S	32,17	32,17	1414,43	-21,93	1.938
55-8-S	40,21	40,21	1767,39	-26,82	2.087
55-9-S	40,21	40,21	1767,79	-26,21	1.989
55-10-S	40,21	40,21	1768,10	-25,64	1.922
55-11-S	40,21	40,21	1768,40	-25,11	1.865
55-12-S	40,21	40,21	1768,65	-24,66	1.810
55-13-S	40,21	40,21	1768,86	-24,29	1.756
55-14-S	40,21	40,21	1769,05	-23,95	1.705
55-15-S	40,21	40,21	1769,20	-23,67	1.658
55-16-S	40,21	40,21	1769,30	-23,50	1.616
55-17-S	40,21	40,21	1769,63	-22,89	1.541
55-18-S	40,21	40,21	1769,84	-22,51	1.485
55-19-S	40,21	40,21	1770,01	-22,22	1.436
55-20-S	40,21	40,21	1770,17	-21,92	1.390
55-21-S	40,21	40,21	1770,30	-21,68	1.350
55-22-S	40,21	40,21	1770,24	-21,80	1.343
55-23-S	40,21	40,21	1770,17	-21,92	1.346
55-24-S	40,21	40,21	1770,14	-21,98	1.352
55-25-S	40,21	40,21	1770,10	-22,05	1.361
55-26-S	40,21	40,21	1769,83	-22,54	1.396
55-27-S	40,21	40,21	1769,36	-23,38	1.456
55-28-S	40,21	40,21	1769,17	-23,73	1.480
55-29-S	40,21	40,21	1769,17	-23,73	1.480
55-30-S	40,21	40,21	1769,17	-23,73	1.480
55-31-S	40,21	40,21	1769,36	-23,39	1.456
55-32-S	40,21	40,21	1769,83	-22,54	1.397
55-33-S	40,21	40,21	1770,09	-22,06	1.362
55-34-S	40,21	40,21	1770,13	-21,99	1.353
55-35-S	40,21	40,21	1770,17	-21,93	1.347
55-36-S	40,21	40,21	1770,23	-21,81	1.344
55-37-S	40,21	40,21	1770,30	-21,69	1.351
55-38-S	40,21	40,21	1770,16	-21,94	1.391

Is	Afi	Afs	M_u	N_u	FS
	[cmq]	*[cmq]*	*[kNm]*	*[kN]*	
55-39-S	40,21	40,21	1770,00	-22,23	1.438
55-40-S	40,21	40,21	1769,84	-22,53	1.487
55-41-S	40,21	40,21	1769,62	-22,91	1.543
55-42-S	40,21	40,21	1769,28	-23,52	1.618
55-43-S	40,21	40,21	1769,19	-23,69	1.661
55-44-S	40,21	40,21	1769,03	-23,97	1.708
55-45-S	40,21	40,21	1776,15	-11,16	1.723
55-46-S	40,21	40,21	1775,51	-12,30	1.690
55-47-S	40,21	40,21	1775,07	-13,09	1.672
55-48-S	40,21	40,21	1774,84	-13,50	1.669
55-49-S	40,21	40,21	1774,67	-13,82	1.671
55-50-S	40,21	40,21	1774,48	-14,04	1.693
55-51-S	32,17	32,17	1420,30	-11,35	1.512
55-52-S	32,17	32,17	1419,28	-11,53	1.751
55-53-S	24,13	24,13	1064,97	-8,81	1.560
55-54-S	16,08	16,08	710,73	-5,98	1.276
55-55-S	16,08	16,08	709,77	-6,05	1.640
55-56-S	8,04	8,04	355,52	-3,07	1.190
55-57-S	16,08	8,04	697,98	-6,16	4.768
56-1-S	8,04	8,04	352,93	-5,31	4.538
56-2-S	8,04	8,04	353,40	-5,20	2.207
56-3-S	8,04	8,04	354,14	-5,11	1.433
56-4-S	8,04	8,04	354,84	-5,01	1.047
56-5-S	16,08	16,08	707,69	-9,85	1.670
56-6-S	16,08	16,08	708,20	-9,81	1.417
56-7-S	16,08	16,08	708,67	-9,81	1.224
56-8-S	24,13	24,13	1061,35	-14,69	1.603
56-9-S	24,13	24,13	1061,84	-14,69	1.418
56-10-S	24,13	24,13	1062,34	-14,63	1.267
56-11-S	32,17	32,17	1414,89	-19,38	1.571
56-12-S	32,17	32,17	1415,17	-19,38	1.481
56-13-S	32,17	32,17	1415,42	-19,45	1.409
56-14-S	32,17	32,17	1415,66	-19,53	1.344
56-15-S	32,17	32,17	1415,90	-19,62	1.291
56-16-S	32,17	32,17	1416,03	-19,70	1.269
56-17-S	32,17	32,17	1416,14	-19,68	1.259
56-18-S	32,17	32,17	1416,32	-19,54	1.246
56-19-S	40,21	40,21	1768,74	-24,17	1.539
56-20-S	40,21	40,21	1768,92	-24,01	1.522
56-21-S	40,21	40,21	1769,04	-23,96	1.505
56-22-S	40,21	40,21	1768,92	-24,01	1.522
56-23-S	40,21	40,21	1768,74	-24,17	1.540
56-24-S	32,17	32,17	1416,32	-19,54	1.247
56-25-S	32,17	32,17	1416,14	-19,68	1.260
56-26-S	32,17	32,17	1416,03	-19,71	1.270
56-27-S	32,17	32,17	1415,90	-19,62	1.292
56-28-S	32,17	32,17	1415,66	-19,53	1.345
56-29-S	32,17	32,17	1415,41	-19,46	1.411
56-30-S	32,17	32,17	1415,16	-19,39	1.483
56-31-S	32,17	32,17	1414,88	-19,39	1.573
56-32-S	24,13	24,13	1062,34	-14,64	1.269
56-33-S	24,13	24,13	1061,83	-14,70	1.420
56-34-S	24,13	24,13	1061,35	-14,70	1.605
56-35-S	16,08	16,08	708,67	-9,82	1.226
56-36-S	16,08	16,08	708,19	-9,82	1.420
56-37-S	16,08	16,08	707,68	-9,85	1.673
56-38-S	8,04	8,04	356,33	-2,34	1.031
56-39-S	8,04	8,04	355,62	-2,45	1.361
56-40-S	8,04	8,04	354,87	-2,55	2.020
56-41-S	8,04	8,04	354,40	-2,66	4.000

Verifiche geotecniche

Carico limite

Simbologia adottata

Ic Indice combinazione
N Carico verticale trasmesso al terreno, espresso in [kN]
Np Carico verticale trasmesso ai pali, espresso in [kN]
Qu Portanza ultima terreno, espressa in [kN]
Qup Portanza ultima pali, espressa in [kN]. Solo per fondazione mista
Qd Portanza di progetto ((Pu+Pup)/η), espressa in [kN]
Nt Carico verticale trasmesso al terreno (N+Np), espresso in [kN]
FS Fattore di sicurezza a carico limite (Pd/Nt). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

Ic	N	Np	Qu	Qup	Qd	Nt	FS
	[kN]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kN]*	
1	19278,50	32968,31	194900,71	120384,42	137080,49	52246,81	7.111 (1)

Dimensioni fondazione rettangolare equivalente

Simbologia adottata
Ic Indice combinazione
B Larghezza base equivalente, espresso in [m]
L Lunghezza base equivalente, espresso in [m]
D Quota piano di posa, espressa in [m]

B	L	D
[m]	*[m]*	*[m]*
24,79	24,79	2,50

Scorrimento

Simbologia adottata
n° Indice plinto
T Carico orizzontale trasferito al terreno, espresso in [kN]
Tp Carico orizzontale trasferito ai pali, espresso in [kN]
Ru Resistenza ultima allo scorrimento, espressa in [kN]
Rd Resistenza di progetto allo scorrimento, espressa in [kN]
FS Fattore di sicurezza allo scorrimento (Rd/T). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

n°	T	Tp	Ru	Rd	FS
	[kN]	*[kN]*	*[kN]*	*[kN]*	
1	1900,00	979,69	10484,17	9531,07	9.464 (1)

Pali

Numero pali	20
Somma portanza laterale	19579,2 [kN]
Portanza laterale del gruppo	22112,3 [kN]
Efficienza palificata	1,00
Somma portanza di punta	229266,0 [kN]
Somma portanze totali	248845,2 [kN]
Somma portanza trasversale	9295,7 [kN]

Simbologia adottata
Np Identificativo del palo
D diametro espresso in [cm]
L lunghezza espressa in [m]
N sforzo normale espresso in [kN]
T_x, T_y taglio in fase di esercizio (direzione X ed Y) espresso in [kN]
T risultante taglio espresso in [kN]
T_u Taglio ultimo espresso in [kN]
M_x, M_y momento in fase di esercizio (direzione X ed Y) espresso in [kNm]
M_u Momento ultimo espresso in [kNm]
Musez Momento ultimo della sezione espresso in [kNm]
A_f Area di armatura espressa in [cmq]
N_c, N_q fattori di capacità portante

N'_c, N'_q	fattori di capacità portante corretti
Pl_{med}, Pl_{min}	portanza per attrito e aderenza laterale in [kN]
Pp_{med}, Pp_{min}	portanza di punta in [kN]
P_d	portanza di progetto in [kN]
A_{neg}	Attrito negativo in [kN]
u	spostamento orizzontale in esercizio espresso in [cm]
u_r	spostamento orizzontale limite espresso in [cm]
p	pressione in esercizio espressa in [kg/cmq]
p_r	pressione limite espressa in [kg/cmq]
w	cedimento in testa espresso in [cm]

Risultati inviluppo

Spostamenti

Simbologia adottata

In	Indice sezione
Y	ordinata palo espressa in [m]
Ur	spostamento limite espresso in [cm]
Pr	pressione limite espressa in [kg/cmq]
Ue	spostamento in esercizio espresso in [cm]
Pe	pressione in esercizio espressa in [kg/cmq]

Palo n° 1

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0192 (1)	0,1951 (1)	0,019 (1)	0,195 (1)
11	3,00	0,0136 (1)	0,1379 (1)	0,054 (1)	0,551 (1)
21	6,00	0,0056 (1)	0,0570 (1)	0,039 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0004 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,006 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 2

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0193 (1)	0,1951 (1)	0,019 (1)	0,195 (1)
11	3,00	0,0137 (1)	0,1379 (1)	0,055 (1)	0,551 (1)
21	6,00	0,0056 (1)	0,0570 (1)	0,040 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0004 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,006 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 3

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0196 (1)	0,1951 (1)	0,020 (1)	0,195 (1)
11	3,00	0,0139 (1)	0,1379 (1)	0,056 (1)	0,551 (1)
21	6,00	0,0057 (1)	0,0570 (1)	0,040 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,006 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 4

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0201 (1)	0,1951 (1)	0,020 (1)	0,195 (1)
11	3,00	0,0142 (1)	0,1379 (1)	0,057 (1)	0,551 (1)
21	6,00	0,0059 (1)	0,0570 (1)	0,041 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 5

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0206 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0146 (1)	0,1379 (1)	0,058 (1)	0,551 (1)
21	6,00	0,0060 (1)	0,0570 (1)	0,042 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 6

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0209 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0148 (1)	0,1379 (1)	0,059 (1)	0,551 (1)
21	6,00	0,0061 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 7

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0211 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 8

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0212 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 9

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0212 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 10

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0211 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 11

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0211 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0149 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 12

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0211 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 13

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0212 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 14

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0212 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 15

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0211 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0150 (1)	0,1379 (1)	0,060 (1)	0,551 (1)
21	6,00	0,0062 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0011 (1)	0,0097 (1)	0,011 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 16

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0209 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0148 (1)	0,1379 (1)	0,059 (1)	0,551 (1)
21	6,00	0,0061 (1)	0,0570 (1)	0,043 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 17

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0206 (1)	0,1951 (1)	0,021 (1)	0,195 (1)
11	3,00	0,0146 (1)	0,1379 (1)	0,058 (1)	0,551 (1)
21	6,00	0,0060 (1)	0,0570 (1)	0,042 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,003 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 18

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0201 (1)	0,1951 (1)	0,020 (1)	0,195 (1)
11	3,00	0,0142 (1)	0,1379 (1)	0,057 (1)	0,551 (1)
21	6,00	0,0059 (1)	0,0570 (1)	0,041 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,007 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 19

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0196 (1)	0,1951 (1)	0,020 (1)	0,195 (1)
11	3,00	0,0139 (1)	0,1379 (1)	0,056 (1)	0,551 (1)
21	6,00	0,0057 (1)	0,0570 (1)	0,040 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0005 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,006 (1)	-0,064 (1)

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Palo n° 20

n°	Y	Ue	Ur	Pe	Pr
	[m]	*[cm]*	*[cm]*	*[kg/cmq]*	*[kg/cmq]*
1	0,00	0,0193 (1)	0,1951 (1)	0,019 (1)	0,195 (1)
11	3,00	0,0137 (1)	0,1379 (1)	0,055 (1)	0,551 (1)
21	6,00	0,0056 (1)	0,0570 (1)	0,040 (1)	0,399 (1)
31	9,00	0,0010 (1)	0,0097 (1)	0,010 (1)	0,097 (1)
41	12,00	-0,0004 (1)	-0,0045 (1)	-0,006 (1)	-0,058 (1)
51	15,00	-0,0004 (1)	-0,0040 (1)	-0,006 (1)	-0,064 (1)
61	18,00	-0,0001 (1)	-0,0013 (1)	-0,002 (1)	-0,024 (1)
71	21,00	0,0000 (1)	0,0000 (1)	0,000 (1)	0,000 (1)
81	24,00	0,0000 (1)	0,0002 (1)	0,000 (1)	0,004 (1)
91	27,00	0,0000 (1)	0,0001 (1)	0,000 (1)	0,002 (1)
101	30,00	0,0000 (1)	0,0000 (1)	0,000 (1)	-0,001 (1)

Sollecitazioni

Simbologia adottata

n°	Identificativo sezione
Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
Nr	sforzo normale a rottura, espresso in [kN]
N	sforzo normale, espresso in [kN]
Tr	taglio a rottura, espresso in [kN]
T	taglio, espresso in [kN]
Mr	momento a rottura, espresso in [kNm]
M	momento, espresso in [kNm]

Palo n° 1

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2815,70 (2)	12435,03 (1)	45,76 (1)	464,79 (1)	131,24 (1)	1331,51 (1)
11	3,00	2910,77 (2)	12331,88 (1)	26,46 (1)	268,61 (1)	17,09 (1)	172,51 (1)
21	6,00	3008,65 (2)	12234,84 (1)	4,80 (1)	48,55 (1)	-31,12 (1)	-316,68 (1)
31	9,00	3106,52 (2)	12137,79 (1)	-5,11 (1)	-52,02 (1)	-28,87 (1)	-293,35 (1)
41	12,00	3204,40 (2)	12040,74 (1)	-4,93 (1)	-50,13 (1)	-12,21 (1)	-123,96 (1)
51	15,00	3302,27 (2)	11943,69 (1)	-1,92 (1)	-19,53 (1)	-1,49 (1)	-15,06 (1)
61	18,00	3400,15 (2)	11846,64 (1)	-0,10 (1)	-1,02 (1)	1,39 (1)	14,11 (1)
71	21,00	3498,02 (2)	11749,59 (1)	0,29 (1)	2,92 (1)	0,92 (1)	9,37 (1)
81	24,00	3595,90 (2)	11652,55 (1)	0,14 (1)	1,47 (1)	0,21 (1)	2,18 (1)
91	27,00	3693,77 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3791,65 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 2

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2752,00 (2)	12435,03 (1)	46,08 (1)	464,79 (1)	132,16 (1)	1331,51 (1)
11	3,00	2847,61 (2)	12331,88 (1)	26,65 (1)	268,61 (1)	17,21 (1)	172,51 (1)
21	6,00	2945,98 (2)	12234,84 (1)	4,83 (1)	48,55 (1)	-31,34 (1)	-316,68 (1)
31	9,00	3044,35 (2)	12137,79 (1)	-5,15 (1)	-52,02 (1)	-29,07 (1)	-293,35 (1)
41	12,00	3142,72 (2)	12040,74 (1)	-4,97 (1)	-50,13 (1)	-12,29 (1)	-123,96 (1)
51	15,00	3241,10 (2)	11943,69 (1)	-1,94 (1)	-19,53 (1)	-1,50 (1)	-15,06 (1)

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
61	18,00	3339,47 (2)	11846,64 (1)	-0,10 (1)	-1,02 (1)	1,40 (1)	14,11 (1)
71	21,00	3437,84 (2)	11749,59 (1)	0,29 (1)	2,92 (1)	0,93 (1)	9,37 (1)
81	24,00	3536,21 (2)	11652,55 (1)	0,15 (1)	1,47 (1)	0,22 (1)	2,18 (1)
91	27,00	3634,59 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3732,96 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 3

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2572,35 (2)	12435,03 (1)	46,90 (1)	464,79 (1)	134,50 (1)	1331,51 (1)
11	3,00	2669,49 (2)	12331,88 (1)	27,12 (1)	268,61 (1)	17,52 (1)	172,51 (1)
21	6,00	2769,26 (2)	12234,84 (1)	4,92 (1)	48,55 (1)	-31,90 (1)	-316,68 (1)
31	9,00	2869,04 (2)	12137,79 (1)	-5,24 (1)	-52,02 (1)	-29,59 (1)	-293,35 (1)
41	12,00	2968,81 (2)	12040,74 (1)	-5,06 (1)	-50,13 (1)	-12,51 (1)	-123,96 (1)
51	15,00	3068,58 (2)	11943,69 (1)	-1,97 (1)	-19,53 (1)	-1,52 (1)	-15,06 (1)
61	18,00	3168,36 (2)	11846,64 (1)	-0,10 (1)	-1,02 (1)	1,42 (1)	14,11 (1)
71	21,00	3268,13 (2)	11749,59 (1)	0,29 (1)	2,92 (1)	0,95 (1)	9,37 (1)
81	24,00	3367,90 (2)	11652,55 (1)	0,15 (1)	1,47 (1)	0,22 (1)	2,18 (1)
91	27,00	3467,68 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3567,45 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 4

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2911,49 (1)	12435,03 (1)	48,02 (1)	464,79 (1)	137,71 (1)	1331,51 (1)
11	3,00	3005,75 (1)	12331,88 (1)	27,77 (1)	268,61 (1)	17,93 (1)	172,51 (1)
21	6,00	3102,88 (1)	12234,84 (1)	5,03 (1)	48,55 (1)	-32,66 (1)	-316,68 (1)
31	9,00	3200,01 (1)	12137,79 (1)	-5,37 (1)	-52,02 (1)	-30,29 (1)	-293,35 (1)
41	12,00	3297,13 (1)	12040,74 (1)	-5,18 (1)	-50,13 (1)	-12,81 (1)	-123,96 (1)
51	15,00	3394,26 (1)	11943,69 (1)	-2,02 (1)	-19,53 (1)	-1,56 (1)	-15,06 (1)
61	18,00	3491,39 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,46 (1)	14,11 (1)
71	21,00	3588,52 (1)	11749,59 (1)	0,30 (1)	2,92 (1)	0,97 (1)	9,37 (1)
81	24,00	3685,65 (1)	11652,55 (1)	0,15 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	3782,78 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3879,90 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 5

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	3149,98 (1)	12435,03 (1)	49,13 (1)	464,79 (1)	140,89 (1)	1331,51 (1)
11	3,00	3242,21 (1)	12331,88 (1)	28,41 (1)	268,61 (1)	18,35 (1)	172,51 (1)
21	6,00	3337,48 (1)	12234,84 (1)	5,15 (1)	48,55 (1)	-33,41 (1)	-316,68 (1)
31	9,00	3432,75 (1)	12137,79 (1)	-5,49 (1)	-52,02 (1)	-30,99 (1)	-293,35 (1)
41	12,00	3528,02 (1)	12040,74 (1)	-5,30 (1)	-50,13 (1)	-13,11 (1)	-123,96 (1)
51	15,00	3623,29 (1)	11943,69 (1)	-2,07 (1)	-19,53 (1)	-1,60 (1)	-15,06 (1)
61	18,00	3718,55 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,49 (1)	14,11 (1)
71	21,00	3813,82 (1)	11749,59 (1)	0,31 (1)	2,92 (1)	0,99 (1)	9,37 (1)
81	24,00	3909,09 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	4004,36 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	4099,63 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 6

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	3230,61 (1)	12435,03 (1)	49,96 (1)	464,79 (1)	143,26 (1)	1331,51 (1)
11	3,00	3322,16 (1)	12331,88 (1)	28,89 (1)	268,61 (1)	18,66 (1)	172,51 (1)
21	6,00	3416,80 (1)	12234,84 (1)	5,24 (1)	48,55 (1)	-33,98 (1)	-316,68 (1)
31	9,00	3511,44 (1)	12137,79 (1)	-5,58 (1)	-52,02 (1)	-31,51 (1)	-293,35 (1)
41	12,00	3606,08 (1)	12040,74 (1)	-5,39 (1)	-50,13 (1)	-13,33 (1)	-123,96 (1)

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
51	15,00	3700,72 (1)	11943,69 (1)	-2,10 (1)	-19,53 (1)	-1,62 (1)	-15,06 (1)
61	18,00	3795,36 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,51 (1)	14,11 (1)
71	21,00	3890,00 (1)	11749,59 (1)	0,31 (1)	2,92 (1)	1,01 (1)	9,37 (1)
81	24,00	3984,64 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	4079,27 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	4173,91 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 7

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	3149,78 (1)	12435,03 (1)	50,45 (1)	464,79 (1)	144,68 (1)	1331,51 (1)
11	3,00	3242,02 (1)	12331,88 (1)	29,17 (1)	268,61 (1)	18,84 (1)	172,51 (1)
21	6,00	3337,28 (1)	12234,84 (1)	5,29 (1)	48,55 (1)	-34,31 (1)	-316,68 (1)
31	9,00	3432,55 (1)	12137,79 (1)	-5,64 (1)	-52,02 (1)	-31,83 (1)	-293,35 (1)
41	12,00	3527,82 (1)	12040,74 (1)	-5,44 (1)	-50,13 (1)	-13,46 (1)	-123,96 (1)
51	15,00	3623,09 (1)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	3718,36 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	3813,63 (1)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	3908,90 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	4004,17 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	4099,44 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 8

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2911,30 (1)	12435,03 (1)	50,59 (1)	464,79 (1)	145,08 (1)	1331,51 (1)
11	3,00	3005,57 (1)	12331,88 (1)	29,25 (1)	268,61 (1)	18,89 (1)	172,51 (1)
21	6,00	3102,70 (1)	12234,84 (1)	5,30 (1)	48,55 (1)	-34,41 (1)	-316,68 (1)
31	9,00	3199,83 (1)	12137,79 (1)	-5,65 (1)	-52,02 (1)	-31,92 (1)	-293,35 (1)
41	12,00	3296,96 (1)	12040,74 (1)	-5,45 (1)	-50,13 (1)	-13,50 (1)	-123,96 (1)
51	15,00	3394,08 (1)	11943,69 (1)	-2,13 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	3491,21 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	3588,34 (1)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	3685,47 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	3782,60 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3879,73 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 9

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2553,88 (1)	12435,03 (1)	50,54 (1)	464,79 (1)	144,92 (1)	1331,51 (1)
11	3,00	2651,18 (1)	12331,88 (1)	29,22 (1)	268,61 (1)	18,87 (1)	172,51 (1)
21	6,00	2751,09 (1)	12234,84 (1)	5,30 (1)	48,55 (1)	-34,37 (1)	-316,68 (1)
31	9,00	2851,01 (1)	12137,79 (1)	-5,65 (1)	-52,02 (1)	-31,88 (1)	-293,35 (1)
41	12,00	2950,93 (1)	12040,74 (1)	-5,45 (1)	-50,13 (1)	-13,48 (1)	-123,96 (1)
51	15,00	3050,85 (1)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	3150,76 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	3250,68 (1)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	3350,60 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	3450,52 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3550,43 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 10

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2120,59 (1)	12435,03 (1)	50,44 (1)	464,79 (1)	144,66 (1)	1331,51 (1)
11	3,00	2221,55 (1)	12331,88 (1)	29,17 (1)	268,61 (1)	18,84 (1)	172,51 (1)
21	6,00	2324,85 (1)	12234,84 (1)	5,29 (1)	48,55 (1)	-34,31 (1)	-316,68 (1)
31	9,00	2428,15 (1)	12137,79 (1)	-5,64 (1)	-52,02 (1)	-31,82 (1)	-293,35 (1)

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
41	12,00	2531,45 (1)	12040,74 (1)	-5,44 (1)	-50,13 (1)	-13,46 (1)	-123,96 (1)
51	15,00	2634,74 (1)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2738,04 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2841,34 (1)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2944,63 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	3047,93 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3151,23 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 11

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1650,58 (1)	12435,03 (1)	50,38 (1)	464,79 (1)	144,47 (1)	1331,51 (1)
11	3,00	1755,53 (1)	12331,88 (1)	29,13 (1)	268,61 (1)	18,81 (1)	172,51 (1)
21	6,00	1862,49 (1)	12234,84 (1)	5,28 (1)	48,55 (1)	-34,26 (1)	-316,68 (1)
31	9,00	1969,46 (1)	12137,79 (1)	-5,63 (1)	-52,02 (1)	-31,78 (1)	-293,35 (1)
41	12,00	2076,42 (1)	12040,74 (1)	-5,43 (1)	-50,13 (1)	-13,44 (1)	-123,96 (1)
51	15,00	2183,38 (1)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2290,35 (1)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2397,31 (1)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2504,27 (1)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	2611,24 (1)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2718,20 (1)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 12

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1400,95 (4)	12435,03 (1)	50,44 (1)	464,79 (1)	144,66 (1)	1331,51 (1)
11	3,00	1508,02 (4)	12331,88 (1)	29,17 (1)	268,61 (1)	18,84 (1)	172,51 (1)
21	6,00	1616,93 (4)	12234,84 (1)	5,29 (1)	48,55 (1)	-34,31 (1)	-316,68 (1)
31	9,00	1725,84 (4)	12137,79 (1)	-5,64 (1)	-52,02 (1)	-31,82 (1)	-293,35 (1)
41	12,00	1834,75 (4)	12040,74 (1)	-5,44 (1)	-50,13 (1)	-13,46 (1)	-123,96 (1)
51	15,00	1943,66 (4)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2052,57 (4)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2161,48 (4)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2270,39 (4)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	2379,31 (4)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2488,22 (4)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 13

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1400,57 (4)	12435,03 (1)	50,54 (1)	464,79 (1)	144,92 (1)	1331,51 (1)
11	3,00	1507,64 (4)	12331,88 (1)	29,22 (1)	268,61 (1)	18,87 (1)	172,51 (1)
21	6,00	1616,56 (4)	12234,84 (1)	5,30 (1)	48,55 (1)	-34,37 (1)	-316,68 (1)
31	9,00	1725,47 (4)	12137,79 (1)	-5,65 (1)	-52,02 (1)	-31,88 (1)	-293,35 (1)
41	12,00	1834,38 (4)	12040,74 (1)	-5,45 (1)	-50,13 (1)	-13,48 (1)	-123,96 (1)
51	15,00	1943,30 (4)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2052,21 (4)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2161,12 (4)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2270,04 (4)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	2378,95 (4)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2487,86 (4)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 14

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1400,59 (4)	12435,03 (1)	50,59 (1)	464,79 (1)	145,09 (1)	1331,51 (1)
11	3,00	1507,67 (4)	12331,88 (1)	29,26 (1)	268,61 (1)	18,90 (1)	172,51 (1)
21	6,00	1616,58 (4)	12234,84 (1)	5,30 (1)	48,55 (1)	-34,41 (1)	-316,68 (1)

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
31	9,00	1725,49 (4)	12137,79 (1)	-5,65 (1)	-52,02 (1)	-31,92 (1)	-293,35 (1)
41	12,00	1834,41 (4)	12040,74 (1)	-5,45 (1)	-50,13 (1)	-13,50 (1)	-123,96 (1)
51	15,00	1943,32 (4)	11943,69 (1)	-2,13 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2052,23 (4)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2161,15 (4)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2270,06 (4)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	2378,97 (4)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2487,88 (4)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 15

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1401,04 (4)	12435,03 (1)	50,45 (1)	464,79 (1)	144,68 (1)	1331,51 (1)
11	3,00	1508,11 (4)	12331,88 (1)	29,17 (1)	268,61 (1)	18,84 (1)	172,51 (1)
21	6,00	1617,02 (4)	12234,84 (1)	5,29 (1)	48,55 (1)	-34,31 (1)	-316,68 (1)
31	9,00	1725,93 (4)	12137,79 (1)	-5,64 (1)	-52,02 (1)	-31,83 (1)	-293,35 (1)
41	12,00	1834,84 (4)	12040,74 (1)	-5,44 (1)	-50,13 (1)	-13,46 (1)	-123,96 (1)
51	15,00	1943,75 (4)	11943,69 (1)	-2,12 (1)	-19,53 (1)	-1,64 (1)	-15,06 (1)
61	18,00	2052,66 (4)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,53 (1)	14,11 (1)
71	21,00	2161,57 (4)	11749,59 (1)	0,32 (1)	2,92 (1)	1,02 (1)	9,37 (1)
81	24,00	2270,48 (4)	11652,55 (1)	0,16 (1)	1,47 (1)	0,24 (1)	2,18 (1)
91	27,00	2379,39 (4)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2488,30 (4)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 16

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1626,91 (2)	12435,03 (1)	49,96 (1)	464,79 (1)	143,26 (1)	1331,51 (1)
11	3,00	1732,06 (2)	12331,88 (1)	28,89 (1)	268,61 (1)	18,66 (1)	172,51 (1)
21	6,00	1839,21 (2)	12234,84 (1)	5,24 (1)	48,55 (1)	-33,98 (1)	-316,68 (1)
31	9,00	1946,36 (2)	12137,79 (1)	-5,58 (1)	-52,02 (1)	-31,51 (1)	-293,35 (1)
41	12,00	2053,50 (2)	12040,74 (1)	-5,39 (1)	-50,13 (1)	-13,33 (1)	-123,96 (1)
51	15,00	2160,65 (2)	11943,69 (1)	-2,10 (1)	-19,53 (1)	-1,62 (1)	-15,06 (1)
61	18,00	2267,80 (2)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,51 (1)	14,11 (1)
71	21,00	2374,95 (2)	11749,59 (1)	0,31 (1)	2,92 (1)	1,01 (1)	9,37 (1)
81	24,00	2482,09 (2)	11652,55 (1)	0,16 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	2589,24 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	2696,39 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 17

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	1979,26 (2)	12435,03 (1)	49,13 (1)	464,79 (1)	140,89 (1)	1331,51 (1)
11	3,00	2081,43 (2)	12331,88 (1)	28,41 (1)	268,61 (1)	18,35 (1)	172,51 (1)
21	6,00	2185,83 (2)	12234,84 (1)	5,15 (1)	48,55 (1)	-33,41 (1)	-316,68 (1)
31	9,00	2290,23 (2)	12137,79 (1)	-5,49 (1)	-52,02 (1)	-30,99 (1)	-293,35 (1)
41	12,00	2394,63 (2)	12040,74 (1)	-5,30 (1)	-50,13 (1)	-13,11 (1)	-123,96 (1)
51	15,00	2499,03 (2)	11943,69 (1)	-2,07 (1)	-19,53 (1)	-1,60 (1)	-15,06 (1)
61	18,00	2603,43 (2)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,49 (1)	14,11 (1)
71	21,00	2707,83 (2)	11749,59 (1)	0,31 (1)	2,92 (1)	0,99 (1)	9,37 (1)
81	24,00	2812,23 (2)	11652,55 (1)	0,16 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	2916,63 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3021,02 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 18

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2304,31 (2)	12435,03 (1)	48,02 (1)	464,79 (1)	137,70 (1)	1331,51 (1)
11	3,00	2403,72 (2)	12331,88 (1)	27,77 (1)	268,61 (1)	17,93 (1)	172,51 (1)

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
21	6,00	2505,58 (2)	12234,84 (1)	5,03 (1)	48,55 (1)	-32,66 (1)	-316,68 (1)
31	9,00	2607,45 (2)	12137,79 (1)	-5,36 (1)	-52,02 (1)	-30,29 (1)	-293,35 (1)
41	12,00	2709,31 (2)	12040,74 (1)	-5,18 (1)	-50,13 (1)	-12,81 (1)	-123,96 (1)
51	15,00	2811,17 (2)	11943,69 (1)	-2,02 (1)	-19,53 (1)	-1,56 (1)	-15,06 (1)
61	18,00	2913,04 (2)	11846,64 (1)	-0,11 (1)	-1,02 (1)	1,46 (1)	14,11 (1)
71	21,00	3014,90 (2)	11749,59 (1)	0,30 (1)	2,92 (1)	0,97 (1)	9,37 (1)
81	24,00	3116,77 (2)	11652,55 (1)	0,15 (1)	1,47 (1)	0,23 (1)	2,18 (1)
91	27,00	3218,63 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3320,50 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 19

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2572,62 (2)	12435,03 (1)	46,90 (1)	464,79 (1)	134,50 (1)	1331,51 (1)
11	3,00	2669,76 (2)	12331,88 (1)	27,12 (1)	268,61 (1)	17,52 (1)	172,51 (1)
21	6,00	2769,53 (2)	12234,84 (1)	4,92 (1)	48,55 (1)	-31,90 (1)	-316,68 (1)
31	9,00	2869,30 (2)	12137,79 (1)	-5,24 (1)	-52,02 (1)	-29,59 (1)	-293,35 (1)
41	12,00	2969,07 (2)	12040,74 (1)	-5,06 (1)	-50,13 (1)	-12,51 (1)	-123,96 (1)
51	15,00	3068,84 (2)	11943,69 (1)	-1,97 (1)	-19,53 (1)	-1,52 (1)	-15,06 (1)
61	18,00	3168,61 (2)	11846,64 (1)	-0,10 (1)	-1,02 (1)	1,42 (1)	14,11 (1)
71	21,00	3268,39 (2)	11749,59 (1)	0,29 (1)	2,92 (1)	0,95 (1)	9,37 (1)
81	24,00	3368,16 (2)	11652,55 (1)	0,15 (1)	1,47 (1)	0,22 (1)	2,18 (1)
91	27,00	3467,93 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3567,70 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Palo n° 20

n°	Y	N	Nr	T	Tr	M	Mr
	[m]	*[kN]*	*[kN]*	*[kN]*	*[kN]*	*[kNm]*	*[kNm]*
1	0,00	2752,24 (2)	12435,03 (1)	46,08 (1)	464,79 (1)	132,16 (1)	1331,51 (1)
11	3,00	2847,85 (2)	12331,88 (1)	26,65 (1)	268,61 (1)	17,21 (1)	172,51 (1)
21	6,00	2946,23 (2)	12234,84 (1)	4,83 (1)	48,55 (1)	-31,34 (1)	-316,68 (1)
31	9,00	3044,60 (2)	12137,79 (1)	-5,15 (1)	-52,02 (1)	-29,07 (1)	-293,35 (1)
41	12,00	3142,97 (2)	12040,74 (1)	-4,97 (1)	-50,13 (1)	-12,29 (1)	-123,96 (1)
51	15,00	3241,34 (2)	11943,69 (1)	-1,94 (1)	-19,53 (1)	-1,50 (1)	-15,06 (1)
61	18,00	3339,71 (2)	11846,64 (1)	-0,10 (1)	-1,02 (1)	1,40 (1)	14,11 (1)
71	21,00	3438,08 (2)	11749,59 (1)	0,29 (1)	2,92 (1)	0,93 (1)	9,37 (1)
81	24,00	3536,45 (2)	11652,55 (1)	0,15 (1)	1,47 (1)	0,22 (1)	2,18 (1)
91	27,00	3634,82 (2)	11555,50 (1)	0,01 (1)	0,11 (1)	-0,01 (1)	-0,11 (1)
101	30,00	3733,19 (2)	11468,15 (1)	0,00 (1)	-0,03 (1)	0,00 (0)	0,00 (0)

Verifiche strutturali

Verifica a flessione

Pali in c.a.

Simbologia adottata

Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
Af	Area armatura, espresso in [cmq]
Mu	Momento ultimo, espresso in [kNm]
Nu	Sforzo normale ultimo, espresso in [kN]
FS	Fattore di sicurezza

Palo n° 1

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	775,46	21943,88	7.793
3,00	54,29	97,69	21943,88	7.539
6,00	54,29	172,12	21943,88	7.294
9,00	54,29	154,62	21943,88	7.064
12,00	54,29	63,39	21943,88	6.848
15,00	54,29	7,50	21943,88	6.645
18,00	54,29	6,79	21943,88	6.454
21,00	54,29	4,39	21943,88	6.273
24,00	54,29	0,99	21943,88	6.102
27,00	54,29	0,05	21943,88	5.941
30,00	54,29	0,00	21943,88	5.787

Palo n° 2

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	790,72	21943,88	7.974
3,00	54,29	99,52	21943,88	7.706
6,00	54,29	175,18	21943,88	7.449
9,00	54,29	157,24	21943,88	7.208
12,00	54,29	64,41	21943,88	6.982
15,00	54,29	7,61	21943,88	6.771
18,00	54,29	6,89	21943,88	6.571
21,00	54,29	4,45	21943,88	6.383
24,00	54,29	1,01	21943,88	6.205
27,00	54,29	0,05	21943,88	6.038
30,00	54,29	0,00	21943,88	5.878

Palo n° 3

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	837,65	21943,88	8.531
3,00	54,29	105,12	21943,88	8.220
6,00	54,29	184,54	21943,88	7.924
9,00	54,29	165,21	21943,88	7.649
12,00	54,29	67,52	21943,88	7.391
15,00	54,29	7,96	21943,88	7.151
18,00	54,29	7,19	21943,88	6.926
21,00	54,29	4,64	21943,88	6.715
24,00	54,29	1,05	21943,88	6.516
27,00	54,29	0,05	21943,88	6.328
30,00	54,29	0,00	21943,88	6.151

Palo n° 4

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1037,89	21943,88	7.537
3,00	54,29	130,93	21943,88	7.301
6,00	54,29	230,97	21943,88	7.072
9,00	54,29	207,73	21943,88	6.857

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
12,00	54,29	85,26	21943,88	6.655
15,00	54,29	10,09	21943,88	6.465
18,00	54,29	9,15	21943,88	6.285
21,00	54,29	5,92	21943,88	6.115
24,00	54,29	1,34	21943,88	5.954
27,00	54,29	0,07	21943,88	5.801
30,00	54,29	0,00	21943,88	5.656

Palo n° 5

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	981,48	21943,88	6.966
3,00	54,29	124,18	21943,88	6.768
6,00	54,29	219,69	21943,88	6.575
9,00	54,29	198,12	21943,88	6.393
12,00	54,29	81,52	21943,88	6.220
15,00	54,29	9,67	21943,88	6.056
18,00	54,29	8,79	21943,88	5.901
21,00	54,29	5,70	21943,88	5.754
24,00	54,29	1,29	21943,88	5.614
27,00	54,29	0,06	21943,88	5.480
30,00	54,29	0,00	21943,88	5.353

Palo n° 6

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	973,10	21943,88	6.792
3,00	54,29	123,23	21943,88	6.605
6,00	54,29	218,21	21943,88	6.422
9,00	54,29	196,94	21943,88	6.249
12,00	54,29	81,10	21943,88	6.085
15,00	54,29	9,63	21943,88	5.930
18,00	54,29	8,75	21943,88	5.782
21,00	54,29	5,68	21943,88	5.641
24,00	54,29	1,29	21943,88	5.507
27,00	54,29	0,06	21943,88	5.379
30,00	54,29	0,00	21943,88	5.257

Palo n° 7

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1007,96	21943,88	6.967
3,00	54,29	127,53	21943,88	6.769
6,00	54,29	225,62	21943,88	6.575
9,00	54,29	203,46	21943,88	6.393
12,00	54,29	83,72	21943,88	6.220
15,00	54,29	9,93	21943,88	6.057
18,00	54,29	9,02	21943,88	5.901
21,00	54,29	5,85	21943,88	5.754
24,00	54,29	1,33	21943,88	5.614
27,00	54,29	0,07	21943,88	5.480
30,00	54,29	0,00	21943,88	5.353

Palo n° 8

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1093,56	21943,88	7.537
3,00	54,29	137,95	21943,88	7.301
6,00	54,29	243,35	21943,88	7.073

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
9,00	54,29	218,87	21943,88	6.858
12,00	54,29	89,83	21943,88	6.656
15,00	54,29	10,63	21943,88	6.465
18,00	54,29	9,64	21943,88	6.285
21,00	54,29	6,24	21943,88	6.115
24,00	54,29	1,41	21943,88	5.954
27,00	54,29	0,07	21943,88	5.801
30,00	54,29	0,00	21943,88	5.656

Palo n° 9

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1245,24	21943,88	8.592
3,00	54,29	156,22	21943,88	8.277
6,00	54,29	274,15	21943,88	7.976
9,00	54,29	245,38	21943,88	7.697
12,00	54,29	100,25	21943,88	7.436
15,00	54,29	11,82	21943,88	7.193
18,00	54,29	10,67	21943,88	6.965
21,00	54,29	6,88	21943,88	6.751
24,00	54,29	1,55	21943,88	6.549
27,00	54,29	0,08	21943,88	6.360
30,00	54,29	0,00	21943,88	6.181

Palo n° 10

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1496,93	21943,88	10.348
3,00	54,29	186,09	21943,88	9.878
6,00	54,29	323,83	21943,88	9.439
9,00	54,29	287,58	21943,88	9.037
12,00	54,29	116,65	21943,88	8.669
15,00	54,29	13,66	21943,88	8.329
18,00	54,29	12,25	21943,88	8.014
21,00	54,29	7,85	21943,88	7.723
24,00	54,29	1,76	21943,88	7.452
27,00	54,29	0,09	21943,88	7.200
30,00	54,29	0,00	21943,88	6.964

Palo n° 11

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1920,70	21943,88	13.295
3,00	54,29	235,18	21943,88	12.500
6,00	54,29	403,69	21943,88	11.782
9,00	54,29	354,10	21943,88	11.142
12,00	54,29	142,03	21943,88	10.568
15,00	54,29	16,46	21943,88	10.050
18,00	54,29	14,63	21943,88	9.581
21,00	54,29	9,30	21943,88	9.154
24,00	54,29	2,07	21943,88	8.763
27,00	54,29	0,10	21943,88	8.404
30,00	54,29	0,00	21943,88	8.073

Palo n° 12

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	0,00	21943,88	15.664
3,00	54,29	0,00	21943,88	14.551

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
6,00	54,29	0,00	21943,88	13.571
9,00	54,29	0,00	21943,88	12.715
12,00	54,29	0,00	21943,88	11.960
15,00	54,29	0,00	21943,88	11.290
18,00	54,29	0,00	21943,88	10.691
21,00	54,29	0,00	21943,88	10.152
24,00	54,29	0,00	21943,88	9.665
27,00	54,29	0,00	21943,88	9.223
30,00	54,29	0,00	21943,88	8.819

Palo n° 13

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	0,00	21943,88	15.668
3,00	54,29	0,00	21943,88	14.555
6,00	54,29	0,00	21943,88	13.574
9,00	54,29	0,00	21943,88	12.718
12,00	54,29	0,00	21943,88	11.963
15,00	54,29	0,00	21943,88	11.292
18,00	54,29	0,00	21943,88	10.693
21,00	54,29	0,00	21943,88	10.154
24,00	54,29	0,00	21943,88	9.667
27,00	54,29	0,00	21943,88	9.224
30,00	54,29	0,00	21943,88	8.820

Palo n° 14

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	0,00	21943,88	15.668
3,00	54,29	0,00	21943,88	14.555
6,00	54,29	0,00	21943,88	13.574
9,00	54,29	0,00	21943,88	12.717
12,00	54,29	0,00	21943,88	11.962
15,00	54,29	0,00	21943,88	11.292
18,00	54,29	0,00	21943,88	10.693
21,00	54,29	0,00	21943,88	10.154
24,00	54,29	0,00	21943,88	9.667
27,00	54,29	0,00	21943,88	9.224
30,00	54,29	0,00	21943,88	8.820

Palo n° 15

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	0,00	21943,88	15.663
3,00	54,29	0,00	21943,88	14.551
6,00	54,29	0,00	21943,88	13.571
9,00	54,29	0,00	21943,88	12.714
12,00	54,29	0,00	21943,88	11.960
15,00	54,29	0,00	21943,88	11.289
18,00	54,29	0,00	21943,88	10.690
21,00	54,29	0,00	21943,88	10.152
24,00	54,29	0,00	21943,88	9.665
27,00	54,29	0,00	21943,88	9.222
30,00	54,29	0,00	21943,88	8.819

Palo n° 16

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1727,22	722,41	12.057

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
3,00	54,29	158,02	21943,88	12.669
6,00	54,29	271,00	21943,88	11.931
9,00	54,29	237,53	21943,88	11.274
12,00	54,29	95,21	21943,88	10.686
15,00	54,29	11,03	21943,88	10.156
18,00	54,29	9,80	21943,88	9.676
21,00	54,29	6,22	21943,88	9.240
24,00	54,29	1,39	21943,88	8.841
27,00	54,29	0,07	21943,88	8.475
30,00	54,29	0,00	21943,88	8.138

Palo n° 17

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	1065,93	21943,88	11.087
3,00	54,29	132,00	21943,88	10.543
6,00	54,29	228,91	21943,88	10.039
9,00	54,29	202,64	21943,88	9.582
12,00	54,29	81,96	21943,88	9.164
15,00	54,29	9,57	21943,88	8.781
18,00	54,29	8,57	21943,88	8.429
21,00	54,29	5,48	21943,88	8.104
24,00	54,29	1,23	21943,88	7.803
27,00	54,29	0,06	21943,88	7.524
30,00	54,29	0,00	21943,88	7.264

Palo n° 18

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	924,03	21943,88	9.523
3,00	54,29	115,36	21943,88	9.129
6,00	54,29	201,54	21943,88	8.758
9,00	54,29	179,64	21943,88	8.416
12,00	54,29	73,11	21943,88	8.099
15,00	54,29	8,59	21943,88	7.806
18,00	54,29	7,73	21943,88	7.533
21,00	54,29	4,97	21943,88	7.278
24,00	54,29	1,12	21943,88	7.041
27,00	54,29	0,05	21943,88	6.818
30,00	54,29	0,00	21943,88	6.609

Palo n° 19

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	837,58	21943,88	8.530
3,00	54,29	105,11	21943,88	8.219
6,00	54,29	184,52	21943,88	7.923
9,00	54,29	165,20	21943,88	7.648
12,00	54,29	67,51	21943,88	7.391
15,00	54,29	7,96	21943,88	7.151
18,00	54,29	7,19	21943,88	6.925
21,00	54,29	4,63	21943,88	6.714
24,00	54,29	1,05	21943,88	6.515
27,00	54,29	0,05	21943,88	6.328
30,00	54,29	0,00	21943,88	6.151

Palo n° 20

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	

Y	A_f	M_u	N_u	FS
[m]	*[cmq]*	*[kNm]*	*[kN]*	
0,00	54,29	790,66	21943,88	7.973
3,00	54,29	99,51	21943,88	7.705
6,00	54,29	175,17	21943,88	7.448
9,00	54,29	157,23	21943,88	7.207
12,00	54,29	64,41	21943,88	6.982
15,00	54,29	7,61	21943,88	6.770
18,00	54,29	6,89	21943,88	6.571
21,00	54,29	4,45	21943,88	6.383
24,00	54,29	1,01	21943,88	6.205
27,00	54,29	0,05	21943,88	6.037
30,00	54,29	0,00	21943,88	5.878

Verifica a taglio

Pali in c.a.

Simbologia adottata

Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
V_{Rcd}	Taglio resistente a compressione, espresso in [kN]
V_{Rsd}	Taglio resistente a trazione, espresso in [kN]
V_{Rd}	Taglio resistente, espresso in [kN]
FS	Fattore di sicurezza

Palo n° 1

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,11	735,18	735,18	16.065
3,00	2597,10	735,18	735,18	27.783
6,00	2613,36	735,18	735,18	153.243
9,00	2629,62	735,18	735,18	143.787
12,00	2645,88	735,18	735,18	149.020
15,00	2662,14	735,18	735,18	382.125
18,00	2678,41	735,18	735,18	7268.147
21,00	2694,67	735,18	735,18	2556.776
24,00	2710,93	735,18	735,18	5085.632
27,00	2727,19	735,18	735,18	66808.437
30,00	2743,45	735,18	735,18	285935.765

Palo n° 2

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	15.953
3,00	2597,06	735,18	735,18	27.589
6,00	2613,32	735,18	735,18	152.178
9,00	2629,58	735,18	735,18	142.787
12,00	2645,84	735,18	735,18	147.984
15,00	2662,11	735,18	735,18	379.467
18,00	2678,37	735,18	735,18	7217.607
21,00	2694,63	735,18	735,18	2538.997
24,00	2710,89	735,18	735,18	5050.269
27,00	2727,16	735,18	735,18	66343.878
30,00	2743,42	735,18	735,18	283947.483

Palo n° 3

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,01	735,18	735,18	15.675
3,00	2597,00	735,18	735,18	27.108
6,00	2613,26	735,18	735,18	149.523
9,00	2629,53	735,18	735,18	140.296
12,00	2645,79	735,18	735,18	145.403
15,00	2662,05	735,18	735,18	372.849
18,00	2678,31	735,18	735,18	7091.724
21,00	2694,58	735,18	735,18	2494.714
24,00	2710,84	735,18	735,18	4962.187
27,00	2727,10	735,18	735,18	65186.771
30,00	2743,37	735,18	735,18	278995.143

Palo n° 4

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,01	735,18	735,18	15.310
3,00	2597,00	735,18	735,18	26.477
6,00	2613,27	735,18	735,18	146.043
9,00	2629,53	735,18	735,18	137.030
12,00	2645,79	735,18	735,18	142.018
15,00	2662,05	735,18	735,18	364.170
18,00	2678,32	735,18	735,18	6926.635
21,00	2694,58	735,18	735,18	2436.639
24,00	2710,84	735,18	735,18	4846.672
27,00	2727,11	735,18	735,18	63669.284
30,00	2743,37	735,18	735,18	272500.394

Palo n° 5

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	14.964
3,00	2597,06	735,18	735,18	25.879
6,00	2613,32	735,18	735,18	142.745
9,00	2629,59	735,18	735,18	133.936
12,00	2645,85	735,18	735,18	138.811
15,00	2662,11	735,18	735,18	355.946
18,00	2678,37	735,18	735,18	6770.220
21,00	2694,64	735,18	735,18	2381.616
24,00	2710,90	735,18	735,18	4737.225
27,00	2727,16	735,18	735,18	62231.517
30,00	2743,42	735,18	735,18	266346.849

Palo n° 6

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,12	735,18	735,18	14.717
3,00	2597,10	735,18	735,18	25.451
6,00	2613,36	735,18	735,18	140.381
9,00	2629,63	735,18	735,18	131.718
12,00	2645,89	735,18	735,18	136.512
15,00	2662,15	735,18	735,18	350.051
18,00	2678,41	735,18	735,18	6658.096
21,00	2694,68	735,18	735,18	2342.173
24,00	2710,94	735,18	735,18	4658.771
27,00	2727,20	735,18	735,18	61200.886
30,00	2743,46	735,18	735,18	261935.812

Palo n° 7

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	14.572
3,00	2597,06	735,18	735,18	25.201
6,00	2613,32	735,18	735,18	139.003
9,00	2629,59	735,18	735,18	130.425
12,00	2645,85	735,18	735,18	135.173

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
15,00	2662,11	735,18	735,18	346.616
18,00	2678,37	735,18	735,18	6592.753
21,00	2694,64	735,18	735,18	2319.187
24,00	2710,90	735,18	735,18	4613.049
27,00	2727,16	735,18	735,18	60600.252
30,00	2743,42	735,18	735,18	259365.139

Palo n° 8

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,01	735,18	735,18	14.532
3,00	2597,00	735,18	735,18	25.131
6,00	2613,26	735,18	735,18	138.618
9,00	2629,53	735,18	735,18	130.064
12,00	2645,79	735,18	735,18	134.798
15,00	2662,05	735,18	735,18	345.655
18,00	2678,32	735,18	735,18	6574.476
21,00	2694,58	735,18	735,18	2312.758
24,00	2710,84	735,18	735,18	4600.261
27,00	2727,11	735,18	735,18	60432.256
30,00	2743,37	735,18	735,18	258646.126

Palo n° 9

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,01	735,18	735,18	14.548
3,00	2597,00	735,18	735,18	25.159
6,00	2613,26	735,18	735,18	138.770
9,00	2629,53	735,18	735,18	130.207
12,00	2645,79	735,18	735,18	134.946
15,00	2662,05	735,18	735,18	346.034
18,00	2678,31	735,18	735,18	6581.699
21,00	2694,58	735,18	735,18	2315.298
24,00	2710,84	735,18	735,18	4605.314
27,00	2727,10	735,18	735,18	60498.643

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
30,00	2743,37	735,18	735,18	258930.257

Palo n° 10

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	14.574
3,00	2597,06	735,18	735,18	25.205
6,00	2613,32	735,18	735,18	139.024
9,00	2629,58	735,18	735,18	130.445
12,00	2645,84	735,18	735,18	135.193
15,00	2662,11	735,18	735,18	346.668
18,00	2678,37	735,18	735,18	6593.755
21,00	2694,63	735,18	735,18	2319.539
24,00	2710,89	735,18	735,18	4613.750
27,00	2727,16	735,18	735,18	60609.463
30,00	2743,42	735,18	735,18	259404.562

Palo n° 11

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,11	735,18	735,18	14.593
3,00	2597,10	735,18	735,18	25.237
6,00	2613,36	735,18	735,18	139.204
9,00	2629,62	735,18	735,18	130.614
12,00	2645,88	735,18	735,18	135.368
15,00	2662,14	735,18	735,18	347.118
18,00	2678,41	735,18	735,18	6602.305
21,00	2694,67	735,18	735,18	2322.547
24,00	2710,93	735,18	735,18	4619.733
27,00	2727,19	735,18	735,18	60688.056
30,00	2743,46	735,18	735,18	259740.934

Palo n° 12

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	14.575
3,00	2597,05	735,18	735,18	25.205
6,00	2613,32	735,18	735,18	139.026
9,00	2629,58	735,18	735,18	130.447

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
12,00	2645,84	735,18	735,18	135.195
15,00	2662,10	735,18	735,18	346.674
18,00	2678,37	735,18	735,18	6593.864
21,00	2694,63	735,18	735,18	2319.578
24,00	2710,89	735,18	735,18	4613.826
27,00	2727,15	735,18	735,18	60610.462
30,00	2743,42	735,18	735,18	259408.838

Palo n° 13

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,01	735,18	735,18	14.548
3,00	2597,00	735,18	735,18	25.159
6,00	2613,26	735,18	735,18	138.770
9,00	2629,52	735,18	735,18	130.207
12,00	2645,79	735,18	735,18	134.946
15,00	2662,05	735,18	735,18	346.035
18,00	2678,31	735,18	735,18	6581.710
21,00	2694,58	735,18	735,18	2315.302
24,00	2710,84	735,18	735,18	4605.322
27,00	2727,10	735,18	735,18	60498.751
30,00	2743,36	735,18	735,18	258930.720

Palo n° 14

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,01	735,18	735,18	14.531
3,00	2597,00	735,18	735,18	25.130
6,00	2613,26	735,18	735,18	138.612
9,00	2629,53	735,18	735,18	130.058
12,00	2645,79	735,18	735,18	134.792
15,00	2662,05	735,18	735,18	345.640
18,00	2678,32	735,18	735,18	6574.196
21,00	2694,58	735,18	735,18	2312.659
24,00	2710,84	735,18	735,18	4600.064
27,00	2727,10	735,18	735,18	60429.677
30,00	2743,37	735,18	735,18	258635.089

Palo n° 15

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,08	735,18	735,18	14.572
3,00	2597,07	735,18	735,18	25.201
6,00	2613,33	735,18	735,18	139.003
9,00	2629,59	735,18	735,18	130.425
12,00	2645,86	735,18	735,18	135.173
15,00	2662,12	735,18	735,18	346.616
18,00	2678,38	735,18	735,18	6592.757
21,00	2694,64	735,18	735,18	2319.188
24,00	2710,90	735,18	735,18	4613.052
27,00	2727,17	735,18	735,18	60600.293
30,00	2743,43	735,18	735,18	259365.314

Palo n° 16

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,13	735,18	735,18	14.717
3,00	2597,11	735,18	735,18	25.451
6,00	2613,37	735,18	735,18	140.382
9,00	2629,64	735,18	735,18	131.719
12,00	2645,90	735,18	735,18	136.514
15,00	2662,16	735,18	735,18	350.055
18,00	2678,42	735,18	735,18	6658.165
21,00	2694,69	735,18	735,18	2342.197
24,00	2710,95	735,18	735,18	4658.819
27,00	2727,21	735,18	735,18	61201.516
30,00	2743,47	735,18	735,18	261938.508

Palo n° 17

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
0,00	2581,08	735,18	735,18	14.965
3,00	2597,07	735,18	735,18	25.880
6,00	2613,33	735,18	735,18	142.747
9,00	2629,59	735,18	735,18	133.938
12,00	2645,86	735,18	735,18	138.814
15,00	2662,12	735,18	735,18	355.952
18,00	2678,38	735,18	735,18	6770.336
21,00	2694,64	735,18	735,18	2381.657
24,00	2710,91	735,18	735,18	4737.307
27,00	2727,17	735,18	735,18	

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
				62232.587
30,00	2743,43	735,18	735,18	266351.426

Palo n° 18

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,02	735,18	735,18	15.311
3,00	2597,01	735,18	735,18	26.478
6,00	2613,27	735,18	735,18	146.046
9,00	2629,53	735,18	735,18	137.034
12,00	2645,79	735,18	735,18	142.022
15,00	2662,06	735,18	735,18	364.178
18,00	2678,32	735,18	735,18	6926.803
21,00	2694,58	735,18	735,18	2436.698
24,00	2710,85	735,18	735,18	4846.789
27,00	2727,11	735,18	735,18	63670.824
30,00	2743,37	735,18	735,18	272506.987

Palo n° 19

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,01	735,18	735,18	15.675
3,00	2597,00	735,18	735,18	27.108
6,00	2613,26	735,18	735,18	149.523
9,00	2629,53	735,18	735,18	140.296
12,00	2645,79	735,18	735,18	145.403
15,00	2662,05	735,18	735,18	372.849
18,00	2678,32	735,18	735,18	7091.719
21,00	2694,58	735,18	735,18	2494.712
24,00	2710,84	735,18	735,18	4962.183
27,00	2727,10	735,18	735,18	65186.719
30,00	2743,37	735,18	735,18	278994.920

Palo n° 20

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0,00	2581,07	735,18	735,18	15.953
3,00	2597,05	735,18	735,18	27.589
6,00	2613,32	735,18	735,18	152.175
9,00	2629,58	735,18	735,18	142.785
12,00	2645,84	735,18	735,18	147.982
15,00	2662,10	735,18	735,18	379.461
18,00	2678,37	735,18	735,18	7217.492

Y	V_{Rcd}	V_{Rsd}	V_{Rd}	FS
[m]	*[kN]*	*[kN]*	*[kN]*	
21,00	2694,63	735,18	735,18	2538.957
24,00	2710,89	735,18	735,18	5050.189
27,00	2727,15	735,18	735,18	66342.827
30,00	2743,42	735,18	735,18	283942.986

Verifiche geotecniche

Carico limite

Simbologia adottata

n°	Indice palo
Oggetto	Oggetto di appartenenza del palo (Piastra, Plinto o Trave)
N	Carico verticale agente alla testa del palo, espresso in [kN]
Pd	Portanza di progetto, espresso in [kN]

FS_V Fattore di sicurezza (Pd/N). Tra parentesi l'indice della combinazione con fattore di sicurezza minimo.
T Carico orizzontale agente alla testa del palo, espresso in [kN]
Td Portanza trasversale di progetto, espresso in [kN]
FS_O Fattore di sicurezza (Vd/V). Tra parentesi l'indice della combinazione con fattore di sicurezza minimo.

n°	Oggetto	N	Pd	FS_V	T	Td	FS_O
		[kN]	*[kN]*		*[kN]*	*[kN]*	
1	Piastra 1	2815,70	4195,89	1.490 (2)	45,76	357,53	7.813 (1)
2	Piastra 1	2752,00	4195,89	1.525 (2)	46,08	357,53	7.758 (1)
3	Piastra 1	2572,35	4195,89	1.631 (2)	46,90	357,53	7.623 (1)
4	Piastra 1	2911,49	4195,89	1.441 (1)	48,02	357,53	7.446 (1)
5	Piastra 1	3149,98	4195,89	1.332 (1)	49,13	357,53	7.277 (1)
6	Piastra 1	3230,61	4195,89	1.299 (1)	49,96	357,53	7.157 (1)
7	Piastra 1	3149,78	4195,89	1.332 (1)	50,45	357,53	7.087 (1)
8	Piastra 1	2911,30	4195,89	1.441 (1)	50,59	357,53	7.067 (1)
9	Piastra 1	2553,88	4195,89	1.643 (1)	50,54	357,53	7.075 (1)
10	Piastra 1	2120,59	4195,89	1.979 (1)	50,44	357,53	7.088 (1)
11	Piastra 1	1650,58	4195,89	2.542 (1)	50,38	357,53	7.097 (1)
12	Piastra 1	1400,95	4195,89	2.995 (4)	50,44	357,53	7.088 (1)
13	Piastra 1	1400,57	4195,89	2.996 (4)	50,54	357,53	7.075 (1)
14	Piastra 1	1400,59	4195,89	2.996 (4)	50,59	357,53	7.067 (1)
15	Piastra 1	1401,04	4195,89	2.995 (4)	50,45	357,53	7.087 (1)
16	Piastra 1	1626,91	4195,89	2.579 (2)	49,96	357,53	7.157 (1)
17	Piastra 1	1979,26	4195,89	2.120 (2)	49,13	357,53	7.278 (1)
18	Piastra 1	2304,31	4195,89	1.821 (2)	48,02	357,53	7.446 (1)
19	Piastra 1	2572,62	4195,89	1.631 (2)	46,90	357,53	7.623 (1)
20	Piastra 1	2752,24	4195,89	1.525 (2)	46,08	357,53	7.758 (1)

Armature Richieste