MevaDec

Load Charts

meva

Contents

Overview of props

EuMax 30 prop concept as a single prop
They comply with EN 1065 Class E. The inner and outer tubes are made of steel (Fig. 71.1).

→ EuMax 30/150
Range of adjustment:
0.98 to 1.50 m.

→ EuMax 30/250
Range of adjustment:
1.50 to 2.50 m.

→ EuMax 30/350
Range of adjustment:
2.00 to 3.50 m.

→ EuMax 30/450
Range of adjustment:
2.52 to 4.50 m.

EuMax 20 prop concept as a single prop
They comply with EN 1065 Class D. The inner and outer tubes are made of steel (Fig. 71.2).

→ EuMax 20/300
Range of adjustment:
1.75 to 3.00 m.

→ EuMax 20/400
Range of adjustment:
2.25 to 4.00 m.

→ EuMax 20/550
Range of adjustment:
3.02 to 5.50 m.

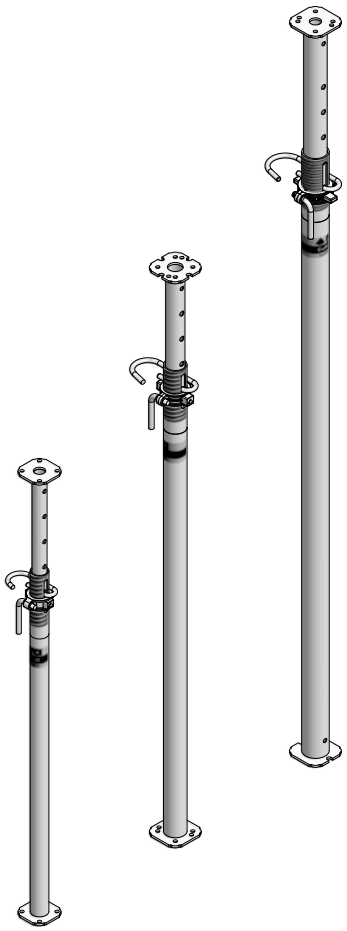


Fig. 71.1 EuMax 30 props

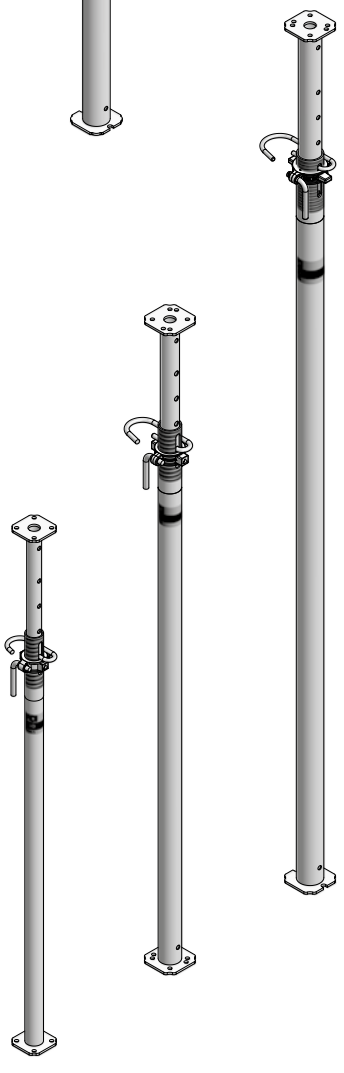


Fig. 71.2 EuMax 20 props

Description	Ref. No.
EuMax 30/150	**29-907-46**
EuMax 30/250	**29-907-51**
EuMax 30/350	**29-907-61**
EuMax 30/450	**29-907-62**
EuMax 20/300	**29-907-36**
EuMax 20/400	**29-907-41**
EuMax 20/550	**29-907-45**

Load capacity of single props

The MEVA props can be used as an integral part of the MevaDec slab formwork system, for reshoring purposes or as free-standing props.

Depending on the field of application, the load data for the props can vary. The load charts on the following pages are classified in accordance with the fields of application below.

→ Symmetrical load case
This load case (Fig. 72.1 and MD-73.1) describes the MEVA prop with MevaDec-e drop head in the field when using the drop-head-beam-panel method with MevaDec-e primary beams with the same length.

→ Asymmetrical load case
This load case (Fig. 72.1 and MD-73.2) describes the MEVA prop with MevaDec-e drop head in the field when using the drop-head-beam-panel method with MevaDec-e primary beams with varying lengths.

→ One-sided load case
This load case (Fig. 72.2 and MD-73.3) describes the MEVA prop with MevaDec-e drop head or lowerable MevaDec-e prop connector for beams at the field/slab edge when using the drop-head-beam-panel method.

→ Reshoring load case
This load case (Fig. 72.3) describes the MEVA prop with MevaDec-e drop head as a support during early stripping.

→ Panel method load case
This load case (Fig. 72.4) describes the MEVA prop with MevaDec-e prop head when using the panel method.

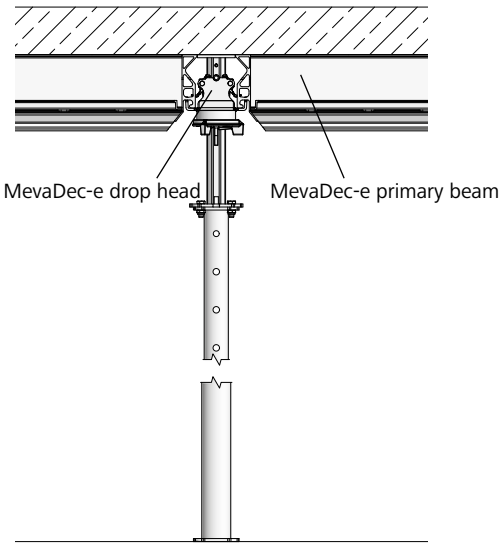


Fig. 72.1 Drop-head-beam-panel method in the field
Load case: symmetrical or asymmetrical loading

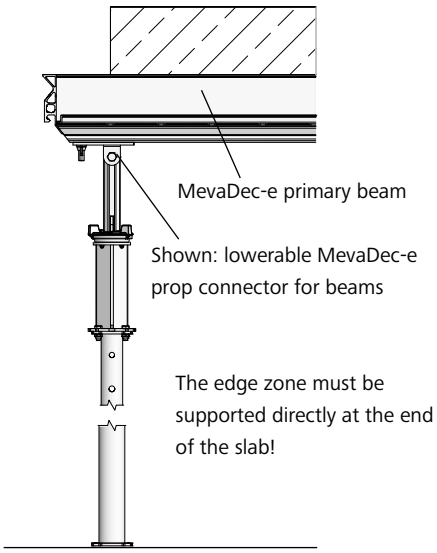


Fig. 72.2
Drop-head-beam-panel method at the slab edge
Load case: one-sided loading

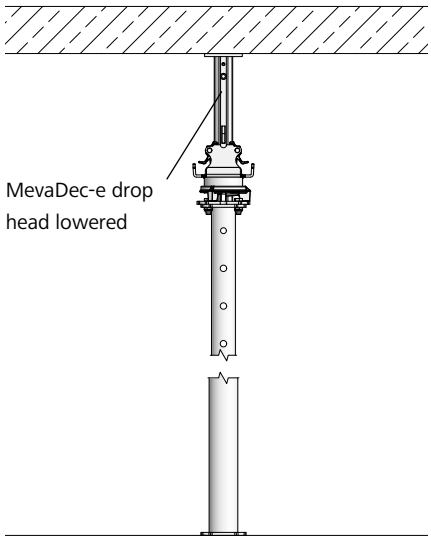


Fig. 72.3 Drop-head-beam-panel method
Load case: reshoring

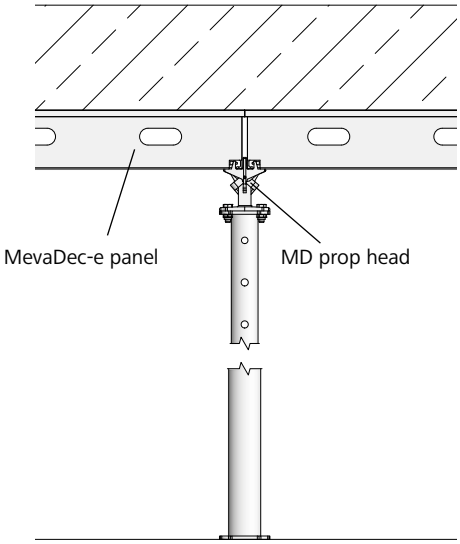


Fig. 72.4 Panel method
Load case: panel method

Load charts – Information

Drop-head-beam-panel method

The tables on pages MD-75 to -104 show the maximum slab thickness (cm) as a function of the slab height (m), primary beam length and primary beam spacing when only the bolted-on MevaDec-e drop head is used. The pages MD-105 to 124 show the values when only the plugged-in MevaDec-e drop head is used. The plugged-in drop head must be secured using the pin 14/90e.

Reshoring / panel method / free-standing prop

The tables on pages MD-125 to -130 show the permissible compressive force (kN) for the props as a function of the slab height (m) and the orientation of the props, i.e. inner tube of the prop at the top or the bottom.

Attention

→ The exact extension length of the prop including the MevaDec-e drop head is: Extension length of the prop + 40 cm MevaDec-e drop head = slab height / clear room height

→ The exact extension length of the prop including MevaDec prop head is: Extension length of the prop + 24 cm (MD prop head + MD panel) = slab height / clear room height

→ The exact extension length of the prop including the lowerable MevaDec-e prop connector for beams is: Extension length of the prop + 75.8 cm (lowerable MD prop head for beams + MD panel) = slab height / clear room height

→ The exact extension length of the prop including the lowerable MevaDec-e prop connector for panels is: Extension length of the prop + 75.5 cm (lowerable MD prop head for panels + MD panel) = slab height / clear room height

→ If the drop-head-beam-panel method with subsequent reshoring is to be employed, besides the tables on pages MD-75 to -124 also refer to the tables on pages 127 and 128.

→ When used for reshoring, the props must be unloaded before pouring the next level.

→ If a MevaDec-e panel 160/80 is normally supported, i.e. with one prop in each corner, the maximum load capacity of the MD panel is reached at a slab thickness of 0.47 m. The MevaDec-e panel 160/160 allows a maximum slab thickness of 0.34 m.

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

Key for load charts for the panel method, reshoring:

MevaDec-e drop head / MD prop head attached using four bolts

MevaDec-e drop head attached using four bolts or plugged in

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the panel method, see page MD-133

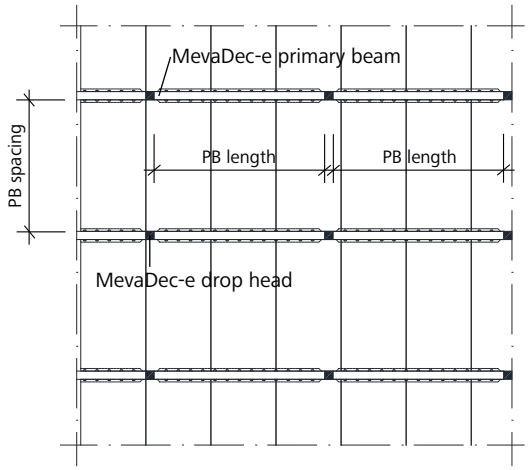


Fig. 73.1 Drop-head-beam-panel method in the field
Load case: symmetrical loading

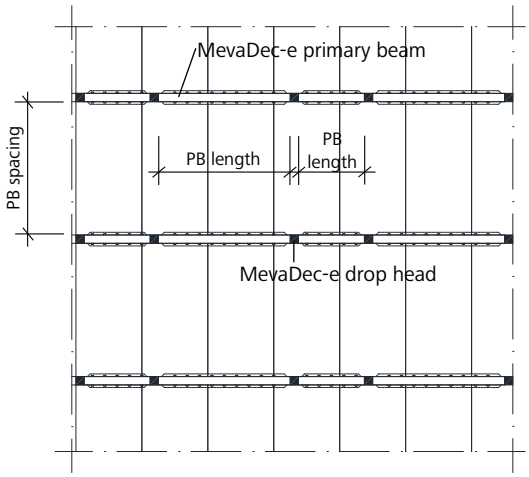


Fig. 73.2 Drop-head-beam-panel method in the field
Load case: asymmetrical loading

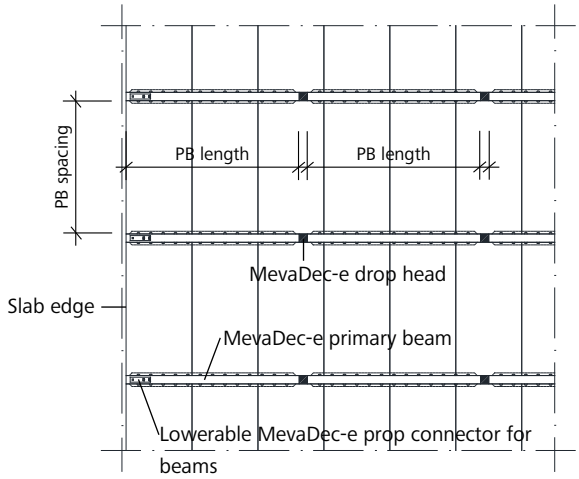


Fig. 73.3 Drop-head-beam-panel method at the slab edge
Load case: one-sided loading

Loading assumptions

The loading on slab formwork comprises permanent and temporary loads. It is clearly defined in DIN EN 12812 “Additional loads for the use of in-situ concrete”.

To determine the MevaDec panel required when using the panel method (panel supported directly by a prop), the adjacent calculation of the slab’s dead load as a function of the permissible compressive force for the prop can be used (see also page MD-133).

The permissible slab thicknesses when using MevaDec-e AL panels are:

- → 80/40: 147 cm
- → 80/60: 137 cm
- → 80/80: 115 cm
- → 160/40: 99 cm
- → 160/60: 63 cm
- → 160/80: 47 cm
- → 160/160: 34 cm
- → 160/160 supported in the middle: 50 cm

The figures refer to MevaDec-e-AL panels supported at the corners (Fig. 74.3) and to a MevaDec-e AL panel 160/160 that is additionally supported in the middle (Fig. 74.4).

Fig. 74.3 – supported at the corner

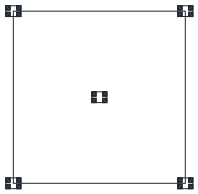


Fig. 74.4 – 160/160 supported in the middle

DIN EN 18202 “flatness tolerances”, Table 3

Column	1	2	3	4	5	6
		Distances as limiting values in mm for distances between measuring points in m				
Line	Reference	0.1	1*	4*	10*	15*
5	Unexposed walls and undersides of slabs	5	10	15	25	30
6	Exposed walls and undersides of slabs, e.g. plastered walls, panelling, suspended ceilings	3	5	10	20	25
7	Like line 6, but with stricter requirements	2	3	8	15	20
* Intermediate values can be found in Fig. 10.2. Round up values found to full millimetres.						

Table 74.1

Flatness tolerances of walls and undersides of slabs (lines according to Table 3)

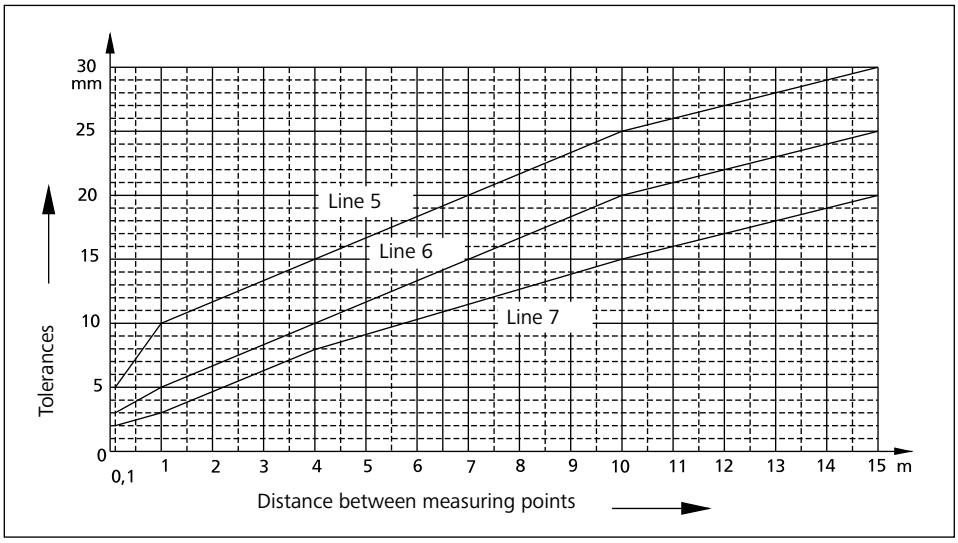


Fig. 74.2

The permissible deflection of formwork parts is defined in DIN 18202 (flatness tolerances),Table 3, lines 5 to 7. Here, the maximum permissible deflection is defined in relation to the distance between the measuring points.

The measuring lath is placed on the highest protruding points of the surface and the deflection is measured at the deepest point. The distance between measuring points corresponds to the distance between the highest protruding points.

Calculation method for dead load of slab:

Own weight of the formwork:	$g_1 = 0.25$	kN/m²
Fresh concrete: Slab thickness in m x 25 kN/m³	$g_2 =$	kN/m²
Equivalent load of personnel and machines:	$g_3 = 0.75$	kN/m²
Concrete accumulation g_4: g_2 x 0.10		
however, $g_4 \leq 1.75$ kN/m² and $g_4 \geq 0.75$ kN/m²	$g_4 =$	kN/m²
	$\sum g =$	kN/m²

EuMax 20/300 + MD 300/20 – Symmetrical loading Slab thickness in cm, bolted-on MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

- Slab thickness < 20 cm
- PB = primary beam
- * Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40	37	74	92	105		37	49	70
3.30	40	80	92	105		40	52	75
3.20	43	85	92	105		43	55	80
3.10	45	90	92	105	21	45	58	85
3.00	47	92	92	105	23	48	63	92
2.90	47	92	92	105	25	52	68	100
2.80	47	92	92	105	28	56	74	105
2.70	47	92	92	105	31	61	81	105
2.60	47	92	92	105	33	65	87	105
2.50	47	92	92	105	34	68	91	105
2.40	47	92	92	105	36	72	92	105
2.30	47	92	92	105	39	78	92	105
2.20	47	92	92	105	42	84	92	105

Table 75.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40		27	37	53		20	28	41
3.30		30	39	57		22	30	44
3.20		32	42	60		24	32	47
3.10		33	44	63		25	34	49
3.00		36	48	68		27	37	53
2.90		39	52	74		30	40	57
2.80	20	43	56	81		33	43	62
2.70	22	46	61	88		35	47	67
2.60	24	49	65	94		38	50	72
2.50	25	52	68	99		40	52	75
2.40	27	55	72	105		42	55	80
2.30	29	58	77	105	21	45	59	86
2.20	32	63	84	105	23	49	64	93

Table 75.2

EuMax 20/300 + MD 300/20 – Asymmetrical loading Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40	24	50	65	95		41	54	78		34	44	64
3.30	26	53	70	102	21	44	58	84		36	48	68
3.20	28	57	75	104	23	47	62	89		39	51	73
3.10	30	60	79	105	24	49	65	94		41	53	77
3.00	32	64	85	105	26	53	70	102	21	44	58	84
2.90	35	70	92	105	29	58	76	105	23	48	62	91
2.80	38	76	92	105	31	62	83	105	25	52	67	99
2.70	41	83	92	105	34	68	90	105	26	53	70	102
2.60	44	88	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.40	46	92	92	105	35	69	92	105	26	53	70	102
2.30	46	92	92	105	35	69	92	105	26	53	70	102
2.20	46	92	92	105	35	69	92	105	26	53	70	102

Table 76.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40		32	42	60		27	36	52		23	32	46
3.30		34	45	65		29	38	55		25	34	49
3.20		36	48	69		31	41	59		27	36	52
3.10		38	50	72		33	43	62		29	38	55
3.00		41	54	79		35	47	67		31	41	60
2.90	21	45	59	86		38	50	73		34	45	65
2.80	23	49	64	93		42	55	79		37	49	70
2.70	26	53	69	101	21	45	59	86		40	53	76
2.60	28	56	74	105	23	48	63	92	20	43	56	82
2.50	29	59	78	105	24	50	66	96	21	45	59	86
2.40	31	62	82	105	26	53	70	102	23	48	62	91
2.30	33	66	88	105	26	53	70	102	25	51	67	97
2.20	35	69	92	105	26	53	70	102	26	53	70	102

Table 76.2

For key see page MD-73

EuMax 20/300 + MD 300/20 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head							
	PB length 80				PB length 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40	47	92	92	105	25	52	69	100
3.30	47	92	92	105	27	55	72	105
3.20	47	92	92	105	28	57	75	105
3.10	47	92	92	105	29	58	77	105
3.00	47	92	92	105	30	60	80	105
2.90	47	92	92	105	31	63	83	105
2.80	47	92	92	105	32	65	86	105
2.70	47	92	92	105	33	67	89	105
2.60	47	92	92	105	35	69	92	105
2.50	47	92	92	105	36	71	92	105
2.40	47	92	92	105	36	73	92	105
2.30	47	92	92	105	36	73	92	105
2.20	47	92	92	105	36	73	92	105

Table 77.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head							
	PB length 210				PB length 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40		39	52	75		30	40	57
3.30		41	54	78		31	42	60
3.20		43	56	81		33	44	62
3.10	21	44	58	84		34	45	64
3.00	22	46	60	87		35	46	66
2.90	23	47	62	91		36	48	69
2.80	24	49	64	94		38	50	71
2.70	24	51	66	97		39	51	73
2.60	25	52	68	100		40	53	76
2.50	26	54	70	103		41	54	78
2.40	27	55	72	105	20	42	55	80
2.30	27	55	72	105	20	42	55	80
2.20	27	55	72	105	20	42	55	80

Table 77.2

For key see page MD-73

EuMax 20/400 + MD 400/20 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head									
	PB length 80 / 80				PB length 160 / 160					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40		
4.40	40	80	92	105		40	52	75		
4.30	42	85	92	105		42	55	80		
4.20	44	89	92	105	21	44	58	84		
4.10	46	92	92	105	22	46	60	88		
4.00	47	92	92	105	23	49	64	93		
3.90	47	92	92	105	25	52	68	100		
3.80	47	92	92	105	27	56	73	105		
3.70	47	92	92	105	30	59	78	105		
3.60	47	92	92	105	32	63	84	105		
3.50	47	92	92	105	34	68	90	105		
3.40	47	92	92	105	36	72	92	105		
3.30	47	92	92	105	37	75	92	105		
3.20	47	92	92	105	39	78	92	105		
3.10	47	92	92	105	41	81	92	105		
3.00	47	92	92	105	42	85	92	105		
2.90	47	92	92	105	42	85	92	105		
2.80	47	92	92	105	42	85	92	105		
2.74	47	92	92	105	42	85	92	105		

Table 78.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40		30	39	56		22	30	43
4.30		31	42	60		23	32	46
4.20		33	44	63		25	34	48
4.10		35	46	65		26	35	50
4.00		37	48	69		28	37	54
3.90		39	52	74		30	40	57
3.80		42	55	80		32	42	61
3.70	21	45	59	85		34	45	65
3.60	23	48	63	92		37	48	69
3.50	25	51	67	98		39	52	74
3.40	27	54	71	104		42	55	79
3.30	28	56	74	105	20	43	57	82
3.20	29	58	77	105	21	45	59	86
3.10	30	61	81	105	22	47	62	90
3.00	32	64	84	105	24	49	64	94
2.90	32	64	84	105	24	49	64	94
2.80	32	64	84	105	24	49	64	94
2.74	32	64	84	105	24	49	64	94

Table 79.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40	26	53	69	102	20	44	57	83		36	47	68
4.30	28	56	74	105	22	47	61	89		38	50	72
4.20	30	59	78	105	24	49	64	93		40	53	76
4.10	31	62	81	105	25	51	67	97		42	55	80
4.00	33	65	87	105	26	54	71	104	21	45	58	85
3.90	35	70	92	105	29	58	76	105	23	48	62	91
3.80	37	75	92	105	31	62	81	105	25	51	67	97
3.70	40	80	92	105	33	65	87	105	26	53	70	102
3.60	43	86	92	105	35	69	92	105	26	53	70	102
3.50	46	92	92	105	35	69	92	105	26	53	70	102
3.40	46	92	92	105	35	69	92	105	26	53	70	102
3.30	46	92	92	105	35	69	92	105	26	53	70	102
3.20	46	92	92	105	35	69	92	105	26	53	70	102
3.10	46	92	92	105	35	69	92	105	26	53	70	102
3.00	46	92	92	105	35	69	92	105	26	53	70	102
2.90	46	92	92	105	35	69	92	105	26	53	70	102
2.80	46	92	92	105	35	69	92	105	26	53	70	102
2.74	46	92	92	105	35	69	92	105	26	53	70	102

Table 80.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40		34	45	64		29	38	55		25	34	49
4.30		36	48	68		31	41	58		27	36	52
4.20		38	50	72		33	43	61		29	38	55
4.10		40	52	75		34	44	64		30	40	57
4.00		42	55	80		36	47	68		32	42	61
3.90	21	45	59	86		38	50	73		34	45	65
3.80	23	48	63	92		41	54	78		37	48	69
3.70	25	51	67	98	20	44	57	83		39	51	74
3.60	27	55	72	105	22	47	61	89	21	42	55	79
3.50	29	58	77	105	24	50	65	96	21	45	58	85
3.40	31	62	82	105	26	53	69	102	23	47	62	90
3.30	32	64	85	105	26	53	70	102	24	49	64	94
3.20	33	66	88	105	26	53	70	102	25	51	67	97
3.10	35	69	92	105	26	53	70	102	26	53	69	102
3.00	35	69	92	105	26	53	70	102	26	53	70	102
2.90	35	69	92	105	26	53	70	102	26	53	70	102
2.80	35	69	92	105	26	53	70	102	26	53	70	102
2.74	35	69	92	105	26	53	70	102	26	53	70	102

Table 81.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head							
	PB length 80				PB length 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40	47	92	92	105	30	60	80	105
4.30	47	92	92	105	31	63	83	105
4.20	47	92	92	105	32	65	86	105
4.10	47	92	92	105	33	67	89	105
4.00	47	92	92	105	35	69	92	105
3.90	47	92	92	105	36	72	92	105
3.80	47	92	92	105	37	75	92	105
3.70	47	92	92	105	39	78	92	105
3.60	47	92	92	105	40	80	92	105
3.50	47	92	92	105	41	83	92	105
3.40	47	92	92	105	43	86	92	105
3.30	47	92	92	105	44	88	92	105
3.20	47	92	92	105	45	91	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.74	47	92	92	105	46	92	92	105

Table 82.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head								
	PB length 210				PB length 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40	22	46	60	87		35	46	66
4.30	23	48	62	91		37	48	69
4.20	24	50	64	94		38	50	71
4.10	24	51	66	97		39	51	73
4.00	25	52	68	100		40	53	76
3.90	27	54	71	104		42	55	79
3.80	28	56	74	105	20	43	57	82
3.70	29	58	77	105	21	45	59	86
3.60	30	60	79	105	22	46	61	88
3.50	31	62	82	105	23	48	63	91
3.40	32	64	85	105	24	49	65	94
3.30	33	66	88	105	25	51	67	97
3.20	34	68	90	105	26	52	69	100
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.74	35	69	92	105	26	53	70	102

Table 83.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	43	86	92	105	20	42	56	81
5.80	45	90	92	105	21	45	59	85
5.70	46	91	92	105	22	46	61	88
5.60	47	92	92	105	23	47	62	91
5.50	47	92	92	105	24	50	66	96
5.40	47	92	92	105	26	53	69	101
5.30	47	92	92	105	27	56	73	105
5.20	47	92	92	105	29	59	77	105
5.10	47	92	92	105	31	62	82	105
5.00	47	92	92	105	33	65	86	105
4.90	47	92	92	105	34	69	91	105
4.80	47	92	92	105	37	73	92	105
4.70	47	92	92	105	39	77	92	105
4.60	47	92	92	105	41	82	92	105
4.50	47	92	92	105	44	88	92	105
4.40	47	92	92	105	46	92	92	105
4.30	47	92	92	105	46	92	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.44	47	92	92	105	46	92	92	105

Table 84.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head									
	PB length 210 / 210				PB length 270 / 270					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90		32	42	60		24	32	47
5.80		33	44	63		25	34	49
5.70		35	46	65		26	35	51
5.60		36	47	67		27	36	52
5.50		38	50	71		29	38	55
5.40		40	52	76		30	40	58
5.30		42	55	80		32	42	61
5.20	21	44	58	84		34	45	64
5.10	22	47	61	89		36	47	68
5.00	24	49	64	94		38	50	71
4.90	25	52	68	100		40	52	76
4.80	27	55	72	105	20	42	56	80
4.70	29	58	77	105	21	45	59	85
4.60	31	62	82	105	23	48	62	91
4.50	33	65	87	105	24	50	66	96
4.40	35	69	92	105	26	53	70	102
4.30	35	69	92	105	26	53	70	102
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.44	35	69	92	105	26	53	70	102

Table 85.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	28	57	75	105	22	47	62	90		39	51	73
5.80	30	60	79	105	24	49	65	94		41	53	77
5.70	31	62	82	105	25	51	67	97		42	55	80
5.60	32	63	84	105	26	52	69	100	20	43	57	82
5.50	33	67	89	105	27	55	73	105	22	46	60	87
5.40	35	71	92	105	29	58	77	105	23	48	63	92
5.30	37	74	92	105	31	61	81	105	24	51	66	97
5.20	39	79	92	105	32	65	86	105	26	53	70	102
5.10	42	83	92	105	34	68	91	105	26	53	70	102
5.00	44	88	92	105	35	69	92	105	26	53	70	102
4.90	46	92	92	105	35	69	92	105	26	53	70	102
4.80	46	92	92	105	35	69	92	105	26	53	70	102
4.70	46	92	92	105	35	69	92	105	26	53	70	102
4.60	46	92	92	105	35	69	92	105	26	53	70	102
4.50	46	92	92	105	35	69	92	105	26	53	70	102
4.40	46	92	92	105	35	69	92	105	26	53	70	102
4.30	46	92	92	105	35	69	92	105	26	53	70	102
4.20	46	92	92	105	35	69	92	105	26	53	70	102
4.10	46	92	92	105	35	69	92	105	26	53	70	102
4.00	46	92	92	105	35	69	92	105	26	53	70	102
3.90	46	92	92	105	35	69	92	105	26	53	70	102
3.80	46	92	92	105	35	69	92	105	26	53	70	102
3.70	46	92	92	105	35	69	92	105	26	53	70	102
3.60	46	92	92	105	35	69	92	105	26	53	70	102
3.50	46	92	92	105	35	69	92	105	26	53	70	102
3.44	46	92	92	105	35	69	92	105	26	53	70	102

Table 86.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90		36	48	69		31	41	59		27	36	53
5.80		38	50	72		33	43	62		29	38	55
5.70		40	52	75		34	45	64		30	40	57
5.60		41	54	77		35	46	66		31	41	59
5.50	20	43	57	82		37	48	69		33	43	62
5.40	21	46	60	87		39	51	74		35	46	65
5.30	23	48	63	91		41	54	78		36	48	69
5.20	24	51	66	97	20	43	57	82		38	51	73
5.10	26	53	70	102	21	46	60	87		41	53	77
5.00	28	56	74	105	23	48	63	92	20	43	56	81
4.90	29	59	78	105	25	51	66	97	21	45	59	86
4.80	31	63	83	105	26	53	70	102	23	48	63	92
4.70	33	66	88	105	26	53	70	102	25	51	66	97
4.60	35	69	92	105	26	53	70	102	26	53	70	102
4.50	35	69	92	105	26	53	70	102	26	53	70	102
4.40	35	69	92	105	26	53	70	102	26	53	70	102
4.30	35	69	92	105	26	53	70	102	26	53	70	102
4.20	35	69	92	105	26	53	70	102	26	53	70	102
4.10	35	69	92	105	26	53	70	102	26	53	70	102
1.00	35	69	92	105	26	53	70	102	26	53	70	102
3.90	35	69	92	105	26	53	70	102	26	53	70	102
3.80	35	69	92	105	26	53	70	102	26	53	70	102
3.70	35	69	92	105	26	53	70	102	26	53	70	102
3.60	35	69	92	105	26	53	70	102	26	53	70	102
3.50	35	69	92	105	26	53	70	102	26	53	70	102
3.44	35	69	92	105	26	53	70	102	26	53	70	102

Table 87.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head								
	PB length 80				PB length 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	47	92	92	105	37	73	92	105
5.80	47	92	92	105	38	76	92	105
5.70	47	92	92	105	39	79	92	105
5.60	47	92	92	105	40	81	92	105
5.50	47	92	92	105	42	84	92	105
5.40	47	92	92	105	44	87	92	105
5.30	47	92	92	105	45	91	92	105
5.20	47	92	92	105	46	92	92	105
5.10	47	92	92	105	46	92	92	105
5.00	47	92	92	105	46	92	92	105
4.90	47	92	92	105	46	92	92	105
4.80	47	92	92	105	46	92	92	105
4.70	47	92	92	105	46	92	92	105
4.60	47	92	92	105	46	92	92	105
4.50	47	92	92	105	46	92	92	105
4.40	47	92	92	105	46	92	92	105
4.30	47	92	92	105	46	92	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.44	47	92	92	105	46	92	92	105

Table 88.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head								
	PB length 210				PB length 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	27	55	72	105	20	42	56	80
5.80	28	57	75	105	21	44	58	84
5.70	29	59	78	105	22	46	60	87
5.60	30	61	80	105	22	47	61	89
5.50	31	63	83	105	23	48	63	92
5.40	33	65	87	105	24	50	66	96
5.30	34	68	90	105	25	52	68	100
5.20	35	69	92	105	26	53	70	102
5.10	35	69	92	105	26	53	70	102
5.00	35	69	92	105	26	53	70	102
4.90	35	69	92	105	26	53	70	102
4.80	35	69	92	105	26	53	70	102
4.70	35	69	92	105	26	53	70	102
4.60	35	69	92	105	26	53	70	102
4.50	35	69	92	105	26	53	70	102
4.40	35	69	92	105	26	53	70	102
4.30	35	69	92	105	26	53	70	102
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.44	35	69	92	105	26	53	70	102

Table 89.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/250 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.40	47	92	92	105	46	92	92	105
2.30	47	92	92	105	46	92	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.94	47	92	92	105	46	92	92	105

Table 90.1

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 210 / 210				PB length 270 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.40	35	69	92	105	26	53	70	102
2.30	35	69	92	105	26	53	70	102
2.20	35	69	92	105	26	53	70	102
2.10	35	69	92	105	26	53	70	102
2.00	35	69	92	105	26	53	70	102
1.94	35	69	92	105	26	53	70	102

Table 90.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/250 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	46	92	92	105	35	69	92	105	26	53	70	102
2.80	46	92	92	105	35	69	92	105	26	53	70	102
2.70	46	92	92	105	35	69	92	105	26	53	70	102
2.60	46	92	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.40	46	92	92	105	35	69	92	105	26	53	70	102
2.30	46	92	92	105	35	69	92	105	26	53	70	102
2.20	46	92	92	105	35	69	92	105	26	53	70	102
2.10	46	92	92	105	35	69	92	105	26	53	70	102
2.00	46	92	92	105	35	69	92	105	26	53	70	102
1.94	46	92	92	105	35	69	92	105	26	53	70	102

Table 91.1

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	35	69	92	105	26	53	70	102	26	53	70	102
2.80	35	69	92	105	26	53	70	102	26	53	70	102
2.70	35	69	92	105	26	53	70	102	26	53	70	102
2.60	35	69	92	105	26	53	70	102	26	53	70	102
2.50	35	69	92	105	26	53	70	102	26	53	70	102
2.40	35	69	92	105	26	53	70	102	26	53	70	102
2.30	35	69	92	105	26	53	70	102	26	53	70	102
2.20	35	69	92	105	26	53	70	102	26	53	70	102
2.10	35	69	92	105	26	53	70	102	26	53	70	102
2.00	35	69	92	105	26	53	70	102	26	53	70	102
1.94	35	69	92	105	26	53	70	102	26	53	70	102

Table 91.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/250 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 80				PB length 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.40	47	92	92	105	46	92	92	105
2.30	47	92	92	105	46	92	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.94	47	92	92	105	46	92	92	105

Table 92.1

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 210				PB length 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.40	35	69	92	105	26	53	70	102
2.30	35	69	92	105	26	53	70	102
2.20	35	69	92	105	26	53	70	102
2.10	35	69	92	105	26	53	70	102
2.00	35	69	92	105	26	53	70	102
1.94	35	69	92	105	26	53	70	102

Table 92.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

ME 250/30 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	26	54	71	104
2.80	47	92	92	105	29	59	78	105
2.70	47	92	92	105	32	64	85	105
2.60	47	92	92	105	37	73	92	105
2.50	47	92	92	105	40	81	92	105
2.40	47	92	92	105	43	86	92	105
2.30	47	92	92	105	45	90	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.90	47	92	92	105	46	92	92	105

Table 93.1

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head							
	PB length 210 / 210				PB length 270 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90		41	54	77		31	41	59
2.80	21	45	58	85		34	45	65
2.70	23	48	63	92		37	49	70
2.60	27	55	73	105	20	43	56	81
2.50	30	60	80	105	22	47	61	89
2.40	32	65	86	105	24	50	65	95
2.30	34	67	90	105	25	52	68	100
2.20	35	69	92	105	26	53	70	102
2.10	35	69	92	105	26	53	70	102
2.00	35	69	92	105	26	53	70	102
1.94	35	69	92	105	26	53	70	102

Table 93.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

ME 250/30 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	36	72	92	105	30	60	79	105	24	49	65	94
2.80	40	79	92	105	33	65	86	105	26	53	70	102
2.70	43	86	92	105	35	69	92	105	26	53	70	102
2.60	46	92	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.40	46	92	92	105	35	69	92	105	26	53	70	102
2.30	46	92	92	105	35	69	92	105	26	53	70	102
2.20	46	92	92	105	35	69	92	105	26	53	70	102
2.10	46	92	92	105	35	69	92	105	26	53	70	102
2.00	46	92	92	105	35	69	92	105	26	53	70	102
1.94	46	92	92	105	35	69	92	105	26	53	70	102

Table 94.1

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	22	47	61	89		40	52	75		35	47	67
2.80	25	51	66	97	20	43	57	83		39	51	73
2.70	27	55	72	105	22	47	62	90		42	55	80
2.60	31	63	84	105	26	53	70	102	23	48	63	92
2.50	35	69	92	105	26	53	70	102	26	53	69	101
2.40	35	69	92	105	26	53	70	102	26	53	70	102
2.30	35	69	92	105	26	53	70	102	26	53	70	102
2.20	35	69	92	105	26	53	70	102	26	53	70	102
2.10	35	69	92	105	26	53	70	102	26	53	70	102
2.00	35	69	92	105	26	53	70	102	26	53	70	102
1.94	35	69	92	105	26	53	70	102	26	53	70	102

Table 94.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

ME 250/30 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head							
	PB length 80				PB length 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	32	64	85	105
2.80	47	92	92	105	34	67	89	105
2.70	47	92	92	105	35	70	92	105
2.60	47	92	92	105	36	72	92	105
2.50	47	92	92	105	37	74	92	105
2.40	47	92	92	105	38	77	92	105
2.30	47	92	92	105	39	78	92	105
2.20	47	92	92	105	39	78	92	105
2.10	47	92	92	105	39	78	92	105
2.00	47	92	92	105	39	78	92	105
1.94	47	92	92	105	39	78	92	105

Table 95.1

Slab height (m)	ME 250/30 / Bolted-on MevaDec-e drop head							
	PB length 210				PB length 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	23	49	64	93		37	49	70
2.80	25	51	66	97		39	51	74
2.70	26	53	69	101		40	53	77
2.60	27	55	71	105		42	55	80
2.50	28	56	74	105	20	43	57	82
2.40	29	58	76	105	21	44	58	85
2.30	29	59	78	105	21	45	59	86
2.20	29	59	78	105	21	45	59	86
2.10	29	59	78	105	21	45	59	86
2.00	29	59	78	105	21	45	59	86
1.94	29	59	78	105	21	45	59	86

Table 95.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/350 + ME 350/30 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head									
	PB length 80 / 80				PB length 160 / 160					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	47	92	92	105	30	59	78	105
3.80	47	92	92	105	32	64	85	105
3.70	47	92	92	105	34	67	89	105
3.60	47	92	92	105	35	70	92	105
3.50	47	92	92	105	38	76	92	105
3.40	47	92	92	105	41	83	92	105
3.30	47	92	92	105	45	90	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.44	47	92	92	105	46	92	92	105

Table 96.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head									
	PB length 210 / 210				PB length 270 / 270					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	21	45	59	86		34	45	65
3.80	23	48	63	92		37	49	70
3.70	25	51	66	97		39	51	74
3.60	26	53	69	101		41	53	77
3.50	28	57	75	105	21	44	58	84
3.40	31	62	82	105	23	48	63	91
3.30	34	67	89	105	25	52	68	99
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.44	35	69	92	105	26	53	70	102

Table 96.2

EuMax 30/350 + ME 350/30 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	40	80	92	105	33	66	87	105	26	53	70	102
3.80	43	87	92	105	35	69	92	105	26	53	70	102
3.70	45	90	92	105	35	69	92	105	26	53	70	102
3.60	46	92	92	105	35	69	92	105	26	53	70	102
3.50	46	92	92	105	35	69	92	105	26	53	70	102
3.40	46	92	92	105	35	69	92	105	26	53	70	102
3.30	46	92	92	105	35	69	92	105	26	53	70	102
3.20	46	92	92	105	35	69	92	105	26	53	70	102
3.10	46	92	92	105	35	69	92	105	26	53	70	102
3.00	46	92	92	105	35	69	92	105	26	53	70	102
2.90	46	92	92	105	35	69	92	105	26	53	70	102
2.80	46	92	92	105	35	69	92	105	26	53	70	102
2.70	46	92	92	105	35	69	92	105	26	53	70	102
2.60	46	92	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.44	46	92	92	105	35	69	92	105	26	53	70	102

Table 97.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	25	51	67	98	20	44	58	83		39	51	74
3.80	27	55	72	105	22	47	62	90		42	55	80
3.70	29	58	76	105	24	50	65	95		44	58	84
3.60	30	60	80	105	25	52	68	99	22	46	60	88
3.50	33	65	87	105	26	53	70	102	24	50	65	95
3.40	35	69	92	105	26	53	70	102	26	53	70	102
3.30	35	69	92	105	26	53	70	102	26	53	70	102
3.20	35	69	92	105	26	53	70	102	26	53	70	102
3.10	35	69	92	105	26	53	70	102	26	53	70	102
3.00	35	69	92	105	26	53	70	102	26	53	70	102
2.90	35	69	92	105	26	53	70	102	26	53	70	102
2.80	35	69	92	105	26	53	70	102	26	53	70	102
2.70	35	69	92	105	26	53	70	102	26	53	70	102
2.60	35	69	92	105	26	53	70	102	26	53	70	102
2.50	35	69	92	105	26	53	70	102	26	53	70	102
2.44	35	69	92	105	26	53	70	102	26	53	70	102

Table 97.2

For key see page MD-73

EuMax 30/350 + ME 350/30 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head							
	PB length 80				PB length 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	47	92	92	105	44	87	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.40	47	92	92	105	46	92	92	105
3.30	47	92	92	105	46	92	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.44	47	92	92	105	46	92	92	105

Table 98.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Bolted-on MevaDec-e drop head							
	PB length 210				PB length 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	33	65	87	105	24	50	66	96
3.80	34	68	91	105	26	53	69	101
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.40	35	69	92	105	26	53	70	102
3.30	35	69	92	105	26	53	70	102
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.44	35	69	92	105	26	53	70	102

Table 98.2

EuMax 30/450 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	47	92	92	105	31	62	81	105
4.80	47	92	92	105	33	65	87	105
4.70	47	92	92	105	34	68	90	105
4.60	47	92	92	105	35	71	92	105
4.50	47	92	92	105	38	76	92	105
4.40	47	92	92	105	40	81	92	105
4.30	47	92	92	105	43	87	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.40	47	92	92	105	46	92	92	105
3.30	47	92	92	105	46	92	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.94	47	92	92	105	46	92	92	105

Table 99.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Symmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	22	47	61	89		36	47	67
4.80	24	50	65	95		38	50	72
4.70	25	52	68	99		40	52	75
4.60	26	53	70	102		41	54	78
4.50	28	57	75	105	21	44	58	84
4.40	30	61	80	105	22	47	61	89
4.30	33	65	86	105	24	50	66	96
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.40	35	69	92	105	26	53	70	102
3.30	35	69	92	105	26	53	70	102
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.94	35	69	92	105	26	53	70	102

Table 100.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	41	83	92	105	34	68	90	105	26	53	70	102
4.80	44	89	92	105	35	69	92	105	26	53	70	102
4.70	45	91	92	105	35	69	92	105	26	53	70	102
4.60	46	92	92	105	35	69	92	105	26	53	70	102
4.50	46	92	92	105	35	69	92	105	26	53	70	102
4.40	46	92	92	105	35	69	92	105	26	53	70	102
4.30	46	92	92	105	35	69	92	105	26	53	70	102
4.20	46	92	92	105	35	69	92	105	26	53	70	102
4.10	46	92	92	105	35	69	92	105	26	53	70	102
4.00	46	92	92	105	35	69	92	105	26	53	70	102
3.90	46	92	92	105	35	69	92	105	26	53	70	102
3.80	46	92	92	105	35	69	92	105	26	53	70	102
3.70	46	92	92	105	35	69	92	105	26	53	70	102
3.60	46	92	92	105	35	69	92	105	26	53	70	102
3.50	46	92	92	105	35	69	92	105	26	53	70	102
3.40	46	92	92	105	35	69	92	105	26	53	70	102
3.30	46	92	92	105	35	69	92	105	26	53	70	102
3.20	46	92	92	105	35	69	92	105	26	53	70	102
3.10	46	92	92	105	35	69	92	105	26	53	70	102
3.00	46	92	92	105	35	69	92	105	26	53	70	102
2.94	46	92	92	105	35	69	92	105	26	53	70	102

Table 101.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Asymmetrical loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	26	53	69	102	21	45	60	87		40	53	77
4.80	28	57	74	105	23	48	63	92	20	43	57	82
4.70	29	59	77	105	24	50	66	96	21	45	59	86
4.60	30	61	80	105	25	52	68	100	22	47	61	89
4.50	33	65	86	105	26	53	70	102	24	50	65	95
4.40	35	69	92	105	26	53	70	102	26	53	69	102
4.30	35	69	92	105	26	53	70	102	26	53	70	102
4.20	35	69	92	105	26	53	70	102	26	53	70	102
4.10	35	69	92	105	26	53	70	102	26	53	70	102
4.00	35	69	92	105	26	53	70	102	26	53	70	102
3.90	35	69	92	105	26	53	70	102	26	53	70	102
3.80	35	69	92	105	26	53	70	102	26	53	70	102
3.70	35	69	92	105	26	53	70	102	26	53	70	102
3.60	35	69	92	105	26	53	70	102	26	53	70	102
3.50	35	69	92	105	26	53	70	102	26	53	70	102
3.40	35	69	92	105	26	53	70	102	26	53	70	102
3.30	35	69	92	105	26	53	70	102	26	53	70	102
3.20	35	69	92	105	26	53	70	102	26	53	70	102
3.10	35	69	92	105	26	53	70	102	26	53	70	102
3.00	35	69	92	105	26	53	70	102	26	53	70	102
2.94	35	69	92	105	26	53	70	102	26	53	70	102

Table 102.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head									
	PB length 80				PB length 160					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	47	92	92	105	46	92	92	105
4.80	47	92	92	105	46	92	92	105
4.70	47	92	92	105	46	92	92	105
4.60	47	92	92	105	46	92	92	105
4.50	47	92	92	105	46	92	92	105
4.40	47	92	92	105	46	92	92	105
4.30	47	92	92	105	46	92	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.40	47	92	92	105	46	92	92	105
3.30	47	92	92	105	46	92	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.94	47	92	92	105	46	92	92	105

Table 103.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – One-sided loading
Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Bolted-on MevaDec-e drop head							
	PB length 210				PB length 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	35	69	92	105	26	53	70	102
4.80	35	69	92	105	26	53	70	102
4.70	35	69	92	105	26	53	70	102
4.60	35	69	92	105	26	53	70	102
4.50	35	69	92	105	26	53	70	102
4.40	35	69	92	105	26	53	70	102
4.30	35	69	92	105	26	53	70	102
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.40	35	69	92	105	26	53	70	102
3.30	35	69	92	105	26	53	70	102
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.94	35	69	92	105	26	53	70	102

Table 104.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/300 + MD 300/20 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 20/300 + MD 300/20 / Plugged-in MevaDec-e drop head*								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40	37	74	92	105		37	49	70
3.30	40	80	92	105		40	52	75
3.20	43	85	92	105		43	55	80
3.10	45	90	92	105	21	45	58	85
3.00	47	92	92	105	23	48	63	92
2.90	47	92	92	105	25	52	68	100
2.80	47	92	92	105	28	56	74	105
2.70	47	92	92	105	31	61	81	105
2.60	47	92	92	105	33	65	87	105
2.50	47	92	92	105	34	68	91	105
2.40	47	92	92	105	36	72	92	105
2.30	47	92	92	105	39	78	92	105
2.20	47	92	92	105	42	84	92	105

Table 105.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Plugged-in MevaDec-e drop head*								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40		27	37	53		20	28	41
3.30		30	39	57		22	30	44
3.20		32	42	60		24	32	47
3.10		33	44	63		25	34	49
3.00		36	48	68		27	37	53
2.90		39	52	74		30	40	57
2.80	20	43	56	81		33	43	62
2.70	22	46	61	88		35	47	67
2.60	24	49	65	94		38	50	72
2.50	25	52	68	99		40	52	75
2.40	27	55	72	105		42	55	80
2.30	29	58	77	105	21	45	59	86
2.20	32	63	84	105	23	49	64	93

Table 105.2

EuMax 20/300 + MD 300/20 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/300 + MD 300/20 / Plugged-in MevaDec-e drop head*											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40	24	50	65	95		41	54	78		34	44	64
3.30	26	53	70	102	21	44	58	84		36	48	68
3.20	28	57	75	104	23	47	62	89		39	51	73
3.10	30	60	79	105	24	49	65	94		41	53	77
3.00	32	64	85	105	26	53	70	102	21	44	58	84
2.90	35	70	92	105	29	58	76	105	23	48	62	91
2.80	38	76	92	105	31	62	83	105	25	52	67	99
2.70	41	83	92	105	34	68	90	105	26	53	70	102
2.60	44	88	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.40	46	92	92	105	35	69	92	105	26	53	70	102
2.30	46	92	92	105	35	69	92	105	26	53	70	102
2.20	46	92	92	105	35	69	92	105	26	53	70	102

Table 106.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Plugged-in MevaDec-e drop head*											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.40		32	42	60		27	36	52		23	32	46
3.30		34	45	65		29	38	55		25	34	49
3.20		36	48	69		31	41	59		27	36	52
3.10		38	50	72		33	43	62		29	38	55
3.00		41	54	79		35	47	67		31	41	60
2.90	21	45	59	86		38	50	73		34	45	65
2.80	23	49	64	93		42	55	79		37	49	70
2.70	26	53	69	101	21	45	59	86	20	40	53	76
2.60	28	56	74	105	23	48	63	92	20	43	56	82
2.50	29	59	78	105	24	50	66	96	21	45	59	86
2.40	31	62	82	105	26	53	70	102	23	48	62	91
2.30	33	66	88	105	26	53	70	102	25	51	67	97
2.20	35	69	92	105	26	53	70	102	26	53	70	102

Table 106.2

For key see page MD-73

EuMax 20/400 + MD 400/20 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Plugged-in MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40	40	80	92	105		40	52	75
4.30	42	85	92	105		42	55	80
4.20	44	89	92	105	21	44	58	84
4.10	46	92	92	105	22	46	60	88
4.00	47	92	92	105	23	49	64	93
3.90	47	92	92	105	25	52	68	100
3.80	47	92	92	105	27	56	73	105
3.70	47	92	92	105	30	59	78	105
3.60	47	92	92	105	32	63	84	105
3.50	47	92	92	105	34	68	90	105
3.40	47	92	92	105	36	72	92	105
3.30	47	92	92	105	37	75	92	105
3.20	47	92	92	105	39	78	92	105
3.10	47	92	92	105	41	81	92	105
3.00	47	92	92	105	42	85	92	105
2.90	47	92	92	105	42	85	92	105
2.80	47	92	92	105	42	85	92	105
2.74*	47	92	92	105	42	85	92	105

Table 107.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Plugged-in MevaDec-e drop head									
	PB length 210 / 210				PB length 270 / 270					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40		30	39	56		22	30	43
4.30		31	42	60		23	32	46
4.20		33	44	63		25	34	48
4.10		35	46	65		26	35	50
4.00		37	48	69		28	37	54
3.90		39	52	74		30	40	57
3.80		42	55	80		32	42	61
3.70	21	45	59	85		34	45	65
3.60	23	48	63	92		37	48	69
3.50	25	51	67	98		39	52	74
3.40	27	54	71	104		42	55	79
3.30	28	56	74	105	20	43	57	82
3.20	29	58	77	105	21	45	59	86
3.10	30	61	81	105	22	47	62	90
3.00	32	64	84	105	24	49	64	94
2.90	32	64	84	105	24	49	64	94
2.80	32	64	84	105	24	49	64	94
2.74*	32	64	84	105	24	49	64	94

Table 108.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Plugged-in MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40	26	53	69	102	20*	40	53	76		26	35	50
4.30	28	56	74	105	22*	40	53	76		26	35	50
4.20	30	59	78	105	23*	40	53	76		26	35	51
4.10	31	62	81	105	25*	40	53	77		26	35	51
4.00	33	65	87	105	26*	40	53	77		26	35	51
3.90	34	68	91	105	29*	40	53	77		26	35	51
3.80	34	68	91	105	30*	40	53	77		26	35	51
3.70	34	68	91	105	30*	40	53	77		26	35	51
3.60	34	68	91	105	30*	40	53	77		26	35	51
3.50	34	68	91	105	30*	40	53	77		26	35	51
3.40	34	68	91	105	30*	40	53	77		26	35	51
3.30	34	68	91	105	30*	40	53	77		26	35	51
3.20	34	68	91	105	30*	40	53	77		26	35	51
3.10	35	69	92	105	30*	41	54	77		26	35	51
3.00	35	70	92	105	30*	41	54	78		27	36	51
2.90	35	70	92	105	30*	41	54	78		27	36	51
2.80	35	70	92	105	31*	42	55	79		27	36	52
2.74*	35	70	92	105	31*	42	55	79		27	36	52

Table 109.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/400 + MD 400/20 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/400 + MD 400/20 / Plugged-in MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.40		34	45	64		29	38	55		25	34	49
4.30		36	48	68		31	41	58		27	36	52
4.20		38	50	72		33	43	61		29	38	55
4.10		40	52	75		34	44	64		30	40	57
4.00		42	55	80		36	47	68		32	42	61
3.90	21	45	59	86		38	50	73		34	45	65
3.80	23	48	63	92		41	54	78		37	48	69
3.70	25	51	67	98	20	44	57	83		39	51	74
3.60	27	55	72	105	22	47	61	89		42	55	79
3.50	29	58	77	105	23	49	64	93	21	45	58	85
3.40	31	62	82	105	23	49	64	93	23	47	62	90
3.30	32	64	85	105	23	49	64	93	24	49	64	94
3.20	33	66	88	105	23	49	64	93	25	51	67	97
3.10	35	69	92	105	24	49	64	94	26	53	69	102
3.00	35	69	92	105	24	49	65	95	26	53	70	102
2.90	35	69	92	105	24	49	65	95	26	53	70	102
2.80	35	69	92	105	24	50	65	95	26	53	70	102
2.74*	35	69	92	105	24	50	65	95	26	53	70	102

Table 110.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Plugged-in MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	43	86	92	105	20	42	56	81
5.80	45	90	92	105	21	45	59	85
5.70	46	91	92	105	22	46	61	88
5.60	47	92	92	105	23	47	62	91
5.50	47	92	92	105	24	50	66	96
5.40	47	92	92	105	26	53	69	101
5.30	47	92	92	105	27	56	73	105
5.20	47	92	92	105	29	59	77	105
5.10	47	92	92	105	31	62	82	105
5.00	47	92	92	105	33	65	86	105
4.90	47	92	92	105	34	69	91	105
4.80	47	92	92	105	37	73	92	105
4.70	47	92	92	105	39	77	92	105
4.60	47	92	92	105	41	82	92	105
4.50	47	92	92	105	44	88	92	105
4.40	47	92	92	105	46	92	92	105
4.30	47	92	92	105	46	92	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.44*	47	92	92	105	46	92	92	105

Table 111.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Plugged-in MevaDec-e drop head								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90		32	42	60		24	32	47
5.80		33	44	63		25	34	49
5.70		35	46	65		26	35	51
5.60		36	47	67		27	36	52
5.50		38	50	71		29	38	55
5.40		40	52	76		30	40	58
5.30		42	55	80		32	42	61
5.20	21	44	58	84		34	45	64
5.10	22	47	61	89		36	47	68
5.00	24	49	64	94		38	50	71
4.90	25	52	68	100		40	52	76
4.80	27	55	72	105	20	42	56	80
4.70	29	58	77	105	21	45	59	85
4.60	31	62	82	105	23	48	62	91
4.50	33	65	87	105	24	50	66	96
4.40	35	69	92	105	26	53	70	102
4.30	35	69	92	105	26	53	70	102
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.44*	35	69	92	105	26	53	70	102

Table 112.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Plugged-in MevaDec-e drop head															
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270							
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40				
5.90	28	56	74	105	20*	33	43	62		20	28	41				
5.80	28	56	74	105	20*	33	43	62		20	28	41				
5.70	28	56	74	105	20*	33	43	62		20	28	41				
5.60	28	56	74	105	20*	33	43	62		20	28	41				
5.50	28	56	74	105	20*	33	43	62		20	28	41				
5.40	28	56	74	105	20*	33	43	62		20	28	41				
5.30	28	56	74	105	20*	33	43	62		20	28	41				
5.20	28	57	75	105	20*	33	44	63		21	29	42				
5.10	28	57	75	105	20*	33	44	63		21	29	42				
5.00	28	57	75	105	20*	33	44	63		21	29	42				
4.90	28	57	75	105	20*	33	44	63		21	29	42				
4.80	28	57	76	105	20*	34	44	64		21	29	42				
4.70	28	57	76	105	20*	34	44	64		21	29	42				
4.60	28	57	76	105	20*	34	44	64		21	29	42				
4.50	29	58	76	105	20*	34	45	64		21	29	43				
4.40	29	58	76	105	20*	34	45	64		21	29	43				
4.30	29	58	76	105	20*	34	45	64		21	29	43				
4.20	29	58	76	105	21*	34	45	64		21	29	43				
4.10	29	59	77	105	21*	34	45	65		21	30	43				
4.00	29	59	77	105	21*	34	45	65		21	30	43				
3.90	29	59	77	105	21*	34	45	65		21	30	43				
3.80	29	59	77	105	21*	34	45	65		21	30	43				
3.70	29	59	78	105	21*	35	46	66		22	30	44				
3.60	29	59	78	105	21*	35	46	66		22	30	44				
3.50	29	59	78	105	21*	35	46	66		22	30	44				
3.44*	29	59	78	105	21*	35	46	66		22	30	44				

Table 113.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20/550 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 20/550 / Plugged-in MevaDec-e drop head											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90		36	48	69		31	41	59		27	36	53
5.80		38	50	72		33	43	62		29	38	55
5.70		40	52	75		34	45	64		30	40	57
5.60		41	54	77		35	46	66		31	41	59
5.50	20	43	57	82		37	48	69		33	43	62
5.40	21	46	60	87		39	51	74		35	46	65
5.30	23	48	63	91		40	52	75		36	48	69
5.20	24	51	66	97	20*	40	53	76		38	51	73
5.10	26	53	70	102	21*	40	53	76		41	53	77
5.00	28	56	74	105	23*	40	53	76	20	43	56	81
4.90	29	59	78	105	25*	40	53	76	21	45	59	86
4.80	31	63	83	105	26*	41	53	77	23	48	63	92
4.70	33	66	88	105	26*	41	53	77	25	51	66	97
4.60	35	69	92	105	26*	41	53	77	26	53	70	102
4.50	35	69	92	105	26*	41	54	78	26	53	70	102
4.40	35	69	92	105	26*	41	54	78	26	53	70	102
4.30	35	69	92	105	26*	41	54	78	26	53	70	102
4.20	35	69	92	105	26*	41	54	78	26	53	70	102
4.10	35	69	92	105	26*	41	54	79	26	53	70	102
1.00	35	69	92	105	26*	41	54	79	26	53	70	102
3.90	35	69	92	105	26*	41	54	79	26	53	70	102
3.80	35	69	92	105	26*	41	54	79	26	53	70	102
3.70	35	69	92	105	26*	42	55	80	26	53	70	102
3.60	35	69	92	105	26*	42	55	80	26	53	70	102
3.50	35	69	92	105	26*	42	55	80	26	53	70	102
3.44*	35	69	92	105	26*	42	55	80	26	53	70	102

Table 114.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/250 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/250 / Plugged-in MevaDec-e drop head*							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.40	47	92	92	105	46	92	92	105
2.30	47	92	92	105	46	92	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.94	47	92	92	105	46	92	92	105

Table 115.1

Slab height (m)	EuMax 30/250 / Plugged-in MevaDec-e drop head*							
	PB length 210 / 210				PB length 270 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.40	35	69	92	105	26	53	70	102
2.30	35	69	92	105	26	53	70	102
2.20	35	69	92	105	26	53	70	102
2.10	35	69	92	105	26	53	70	102
2.00	35	69	92	105	26	53	70	102
1.94	35	69	92	105	26	53	70	102

Table 115.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/250 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/250 / Plugged-in MevaDec-e drop head*											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	46	92	92	105	32	64	85	105	20	43	56	81
2.80	46	92	92	105	32	64	85	105	20	43	56	81
2.70	46	92	92	105	32	64	85	105	20	43	56	81
2.60	46	92	92	105	32	64	85	105	20	43	56	81
2.50	46	92	92	105	32	65	86	105	20	43	56	81
2.40	46	92	92	105	32	65	86	105	20	43	56	82
2.30	46	92	92	105	33	66	87	105	20	44	57	83
2.20	46	92	92	105	33	66	88	105	20	44	57	83
2.10	46	92	92	105	33	67	89	105	21	44	58	84
2.00	46	92	92	105	34	67	89	105	21	45	58	85
1.94	46	92	92	105	34	68	90	105	21	45	59	86

Table 116.1

Slab height (m)	EuMax 30/250 / Plugged-in MevaDec-e drop head*											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	35	69	92	105	26	53	70	102	26	53	70	102
2.80	35	69	92	105	26	53	70	102	26	53	70	102
2.70	35	69	92	105	26	53	70	102	26	53	70	102
2.60	35	69	92	105	26	53	70	102	26	53	70	102
2.50	35	69	92	105	26	53	70	102	26	53	70	102
2.40	35	69	92	105	26	53	70	102	26	53	70	102
2.30	35	69	92	105	26	53	70	102	26	53	70	102
2.20	35	69	92	105	26	53	70	102	26	53	70	102
2.10	35	69	92	105	26	53	70	102	26	53	70	102
2.00	35	69	92	105	26	53	70	102	26	53	70	102
1.94	35	69	92	105	26	53	70	102	26	53	70	102

Table 116.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

ME 250/30 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	ME 250/30 / Plugged-in MevaDec-e drop head*							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	47	92	92	105	26	54	71	104
2.80	47	92	92	105	29	59	78	105
2.70	47	92	92	105	32	64	85	105
2.60	47	92	92	105	37	73	92	105
2.50	47	92	92	105	40	81	92	105
2.40	47	92	92	105	43	86	92	105
2.30	47	92	92	105	45	90	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.90	47	92	92	105	46	92	92	105

Table 117.1

Slab height (m)	ME 250/30 / Plugged-in MevaDec-e drop head*							
	PB length 210 / 210				PB length 270 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90		41	54	77		31	41	59
2.80	21	45	58	85		34	45	65
2.70	23	48	63	92		37	49	70
2.60	27	55	73	105	20	43	56	81
2.50	30	60	80	105	22	47	61	89
2.40	32	65	86	105	24	50	65	95
2.30	34	67	90	105	25	52	68	100
2.20	35	69	92	105	26	53	70	102
2.10	35	69	92	105	26	53	70	102
2.00	35	69	92	105	26	53	70	102
1.94	35	69	92	105	26	53	70	102

Table 117.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

ME 250/30 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	ME 250/30 / Plugged-in MevaDec-e drop head*											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	36	72	92	105	30	60	79	105	24	49	65	94
2.80	40	79	92	105	33	65	86	105	26	53	70	102
2.70	43	86	92	105	35	69	92	105	26	53	70	102
2.60	46	92	92	105	35	69	92	105	26	53	70	102
2.50	46	92	92	105	35	69	92	105	26	53	70	102
2.40	46	92	92	105	35	69	92	105	26	53	70	102
2.30	46	92	92	105	35	69	92	105	26	53	70	102
2.20	46	92	92	105	35	69	92	105	26	53	70	102
2.10	46	92	92	105	35	69	92	105	26	53	70	102
2.00	46	92	92	105	35	69	92	105	26	53	70	102
1.94	46	92	92	105	35	69	92	105	26	53	70	102

Table 118.1

Slab height (m)	ME 250/30 / Plugged-in MevaDec-e drop head*											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	22	47	61	89		40	52	75		35	47	67
2.80	25	51	66	97	20	43	57	83		39	51	73
2.70	27	55	72	105	22	47	62	90		42	55	80
2.60	31	63	84	105	26	53	70	102	23	48	63	92
2.50	35	69	92	105	26	53	70	102	26	53	69	101
2.40	35	69	92	105	26	53	70	102	26	53	70	102
2.30	35	69	92	105	26	53	70	102	26	53	70	102
2.20	35	69	92	105	26	53	70	102	26	53	70	102
2.10	35	69	92	105	26	53	70	102	26	53	70	102
2.00	35	69	92	105	26	53	70	102	26	53	70	102
1.94	35	69	92	105	26	53	70	102	26	53	70	102

Table 118.2

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/350 + ME 350/30 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

Slab height (m)	EuMax 30/350 + ME 350/30 / Plugged-in MevaDec-e drop head*							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	47	92	92	105	30	59	78	105
3.80	47	92	92	105	32	64	85	105
3.70	47	92	92	105	34	67	89	105
3.60	47	92	92	105	35	70	92	105
3.50	47	92	92	105	38	76	92	105
3.40	47	92	92	105	41	83	92	105
3.30	47	92	92	105	45	90	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.90	47	92	92	105	46	92	92	105
2.80	47	92	92	105	46	92	92	105
2.70	47	92	92	105	46	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.44	47	92	92	105	46	92	92	105

Table 119.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Plugged-in MevaDec-e drop head*							
	PB length 210 / 210				PB length 270 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	21	45	59	86		34	45	65
3.80	23	48	63	92		37	49	70
3.70	25	51	66	97		39	51	74
3.60	26	53	69	101		41	53	77
3.50	28	57	75	105	21	44	58	84
3.40	31	62	82	105	23	48	63	91
3.30	34	67	89	105	25	52	68	99
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.90	35	69	92	105	26	53	70	102
2.80	35	69	92	105	26	53	70	102
2.70	35	69	92	105	26	53	70	102
2.60	35	69	92	105	26	53	70	102
2.50	35	69	92	105	26	53	70	102
2.44	35	69	92	105	26	53	70	102

Table 119.2

EuMax 30/350 + ME 350/30 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/350 + ME 350/30 / Plugged-in MevaDec-e drop head*											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	40	80	92	105	32	63	84	105		42	55	80
3.80	43	87	92	105	32	63	84	105		42	55	80
3.70	45	90	92	105	32	64	85	105		42	55	80
3.60	46	92	92	105	32	64	85	105	20	42	55	80
3.50	46	92	92	105	32	64	85	105	20	42	55	80
3.40	46	92	92	105	32	64	85	105	20	42	55	80
3.30	46	92	92	105	32	64	85	105	20	42	55	80
3.20	46	92	92	105	32	64	85	105	20	42	55	80
3.10	46	92	92	105	32	64	85	105	20	42	55	80
3.00	46	92	92	105	32	64	85	105	20	42	55	80
2.90	46	92	92	105	32	64	85	105	20	42	55	80
2.80	46	92	92	105	32	64	85	105	20	42	55	80
2.70	46	92	92	105	32	64	85	105	20	43	56	81
2.60	46	92	92	105	33	65	86	105	20	43	56	82
2.50	46	92	92	105	33	65	87	105	20	43	57	82
2.44	46	92	92	105	33	66	88	105	20	44	57	83

Table 120.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Plugged-in MevaDec-e drop head*											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
3.90	25	51	67	98	20	44	58	83		39	51	74
3.80	27	55	72	105	22	47	62	90		42	55	80
3.70	29	58	76	105	24	50	65	95		44	58	84
3.60	30	60	80	105	25	52	68	99	22	46	60	88
3.50	33	65	87	105	26	53	70	102	24	50	65	95
3.40	35	69	92	105	26	53	70	102	26	53	70	102
3.30	35	69	92	105	26	53	70	102	26	53	70	102
3.20	35	69	92	105	26	53	70	102	26	53	70	102
3.10	35	69	92	105	26	53	70	102	26	53	70	102
3.00	35	69	92	105	26	53	70	102	26	53	70	102
2.90	35	69	92	105	26	53	70	102	26	53	70	102
2.80	35	69	92	105	26	53	70	102	26	53	70	102
2.70	35	69	92	105	26	53	70	102	26	53	70	102
2.60	35	69	92	105	26	53	70	102	26	53	70	102
2.50	35	69	92	105	26	53	70	102	26	53	70	102
2.44	35	69	92	105	26	53	70	102	26	53	70	102

Table 120.1

For key see page MD-73

EuMax 30/450 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Plugged-in MevaDec-e drop head								
	PB length 80 / 80				PB length 160 / 160				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	47	92	92	105	31	62	81	105
4.80	47	92	92	105	33	65	87	105
4.70	47	92	92	105	34	68	90	105
4.60	47	92	92	105	35	71	92	105
4.50	47	92	92	105	38	76	92	105
4.40	47	92	92	105	40	81	92	105
4.30	47	92	92	105	43	87	92	105
4.20	47	92	92	105	46	92	92	105
4.10	47	92	92	105	46	92	92	105
4.00	47	92	92	105	46	92	92	105
3.90	47	92	92	105	46	92	92	105
3.80	47	92	92	105	46	92	92	105
3.70	47	92	92	105	46	92	92	105
3.60	47	92	92	105	46	92	92	105
3.50	47	92	92	105	46	92	92	105
3.40	47	92	92	105	46	92	92	105
3.30	47	92	92	105	46	92	92	105
3.20	47	92	92	105	46	92	92	105
3.10	47	92	92	105	46	92	92	105
3.00	47	92	92	105	46	92	92	105
2.94*	47	92	92	105	46	92	92	105

Table 121.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Symmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Plugged-in MevaDec-e drop head								
	PB length 210 / 210				PB length 270 / 270				
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	22	47	61	89		36	47	67
4.80	24	50	65	95		38	50	72
4.70	25	52	68	99		40	52	75
4.60	26	53	70	102		41	54	78
4.50	28	57	75	105	21	44	58	84
4.40	30	61	80	105	22	47	61	89
4.30	33	65	86	105	24	50	66	96
4.20	35	69	92	105	26	53	70	102
4.10	35	69	92	105	26	53	70	102
4.00	35	69	92	105	26	53	70	102
3.90	35	69	92	105	26	53	70	102
3.80	35	69	92	105	26	53	70	102
3.70	35	69	92	105	26	53	70	102
3.60	35	69	92	105	26	53	70	102
3.50	35	69	92	105	26	53	70	102
3.40	35	69	92	105	26	53	70	102
3.30	35	69	92	105	26	53	70	102
3.20	35	69	92	105	26	53	70	102
3.10	35	69	92	105	26	53	70	102
3.00	35	69	92	105	26	53	70	102
2.94*	35	69	92	105	26	53	70	102

Table 122.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/450 / Plugged-in MevaDec-e drop head											
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	28	56	74	105	20*	33	43	62		20	28	41
4.80	28	57	75	105	20*	33	44	63		21	29	42
4.70	28	57	75	105	20*	33	44	63		21	29	42
4.60	28	57	75	105	20*	33	44	63		21	29	42
4.50	28	57	76	105	20*	34	44	64		21	29	42
4.40	28	57	76	105	20*	34	44	64		21	29	42
4.30	28	57	76	105	20*	34	44	64		21	29	42
4.20	29	58	76	105	20*	34	45	64		21	29	43
4.10	29	58	76	105	20*	34	45	64		21	29	43
4.00	29	58	76	105	21*	34	45	64		21	29	43
3.90	29	58	76	105	21*	34	45	64		21	29	43
3.80	29	59	77	105	21*	34	45	65		21	30	43
3.70	29	59	77	105	21*	34	45	65		21	30	43
3.60	29	59	77	105	21*	34	45	65		21	30	43
3.50	29	59	78	105	21*	35	46	66		22	30	44
3.40	29	59	78	105	21*	35	46	66		22	30	44
3.30	29	59	78	105	21*	35	46	66		22	30	44
3.20	29	59	78	105	22*	35	46	66		22	30	44
3.10	30	60	79	105	22*	35	46	66		22	30	44
3.00	30	60	79	105	22*	35	46	66		22	30	44
2.94*	30	60	79	105	22*	35	46	66		22	30	44

Table 123.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
Example application for the drop-head-beam-panel method, see page MD-131

EuMax 30/450 – Asymmetrical loading
Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	EuMax 30/450											
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
4.90	26	53	69	102	21*	40	52	75		40	53	77
4.80	28	57	74	105	23*	40	53	76	20	43	57	82
4.70	29	59	77	105	24*	40	53	76	21	45	59	86
4.60	30	61	80	105	25*	40	53	76	22	47	61	89
4.50	33	65	86	105	25*	41	53	77	24	50	65	95
4.40	35	69	92	105	25*	41	53	77	26	53	69	102
4.30	35	69	92	105	25*	41	53	77	26	53	70	102
4.20	35	69	92	105	26*	41	54	78	26	53	70	102
4.10	35	69	92	105	26*	41	54	78	26	53	70	102
4.00	35	69	92	105	26*	41	54	78	26	53	70	102
3.90	35	69	92	105	26*	41	54	78	26	53	70	102
3.80	35	69	92	105	26*	41	54	79	26	53	70	102
3.70	35	69	92	105	26*	41	54	79	26	53	70	102
3.60	35	69	92	105	26*	41	54	79	26	53	70	102
3.50	35	69	92	105	26*	42	55	80	26	53	70	102
3.40	35	69	92	105	26*	42	55	80	26	53	70	102
3.30	35	69	92	105	26*	42	55	80	26	53	70	102
3.20	35	69	92	105	26*	42	55	80	26	53	70	102
3.10	35	69	92	105	26*	42	56	80	26	53	70	102
3.00	35	69	92	105	26*	42	56	80	26	53	70	102
2.94*	35	69	92	105	26*	42	56	80	26	53	70	102

Table 124.1

Key for load charts for the drop-head-beam-panel method:

Slab thickness < 20 cm

PB = primary beam

* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method, see page MD-131

EuMax 20 + MD props – Support for panel method
Perm. compressive force in kN

Slab height (m)	EuMax 20/300 + MD 300/20 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
3.20	18.06	19.20
3.10	19.15	21.40
3.00	20.60	23.60
2.90	22.10	25.80
2.80	23.80	27.90
2.70	25.60	30.30
2.60	27.60	32.70
2.50	29.30	34.20
2.40	30.50	35.80
2.30	32.20	37.30
2.20	34.20	38.50
2.10	36.80	39.40
2.00	39.80	39.80

Table 125.1

Slab height (m)	EuMax 20/400 + MD 400/20 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
4.20	19.09	21.40
4.10	20.12	23.20
4.00	21.20	25.00
3.90	22.40	26.80
3.80	23.80	28.80
3.70	25.30	31.10
3.60	26.80	33.60
3.50	28.50	36.30
3.40	30.30	37.00
3.30	32.00	37.00
3.20	33.00	37.00
3.10	34.20	37.00
3.00	35.60	37.00
2.90	37.00	37.00
2.80	37.00	37.00
2.70	37.00	37.00
2.60	37.00	37.00
2.54	37.00	37.00

Table 125.2

Slab height (m)	EuMax 20/550 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	
5.70	20.42	
5.60	21.27	
5.50	21.80	
5.40	22.90	
5.30	24.10	
5.20	25.20	
5.10	26.50	
5.00	27.80	
4.90	29.20	
4.80	30.70	
4.70	32.40	
4.60	34.10	
4.50	36.00	
4.40	38.00	
4.30	40.20	
4.20	41.30	
4.10	41.30	
4.00	41.30	
3.90	41.30	
3.80	41.30	
3.70	41.30	
3.60	41.30	
3.50	41.30	
3.40	41.30	
3.30	41.30	
3.24	41.30	

Table 125.3

Key for load charts for the panel method:

- MevaDec-e drop head / MD prop head attached using four bolts
- MevaDec-e drop head attached using four bolts or plugged in
- * Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible
  Example application for the panel method, see page MD-133

EuMax 30 + ME props – Support for panel method
Perm. compressive force in kN

Slab height (m)	EuMax 30/250 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
2.70	47.00	47.00
2.60	47.00	47.00
2.50	47.00	47.00
2.40	47.00	47.00
2.30	47.00	47.00
2.20	47.00	47.00
2.10	47.00	47.00
2.00	47.00	47.00
1.90	47.00	47.00
1.80	47.00	47.00
1.74	47.00	47.00

Table 126.1

Slab height (m)	ME 250/30 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
2.70	25.91	37.27
2.60	27.73	41.39
2.50	29.61	45.15
2.40	31.42	46.18
2.30	32.06	46.18
2.20	32.55	46.18
2.10	32.91	46.18
2.00	33.48	46.18
1.90	34.52	46.18
1.80	37.27	46.18
1.74	41.21	46.18

Table 126.2

Slab height (m)	EuMax 30/350 + ME 350/30 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
3.70	28.18	27.80
3.60	29.94	30.60
3.50	31.20	33.40
3.40	33.60	36.20
3.30	36.20	39.20
3.20	38.80	42.10
3.10	41.80	43.80
3.00	44.00	45.30
2.90	45.30	47.00
2.80	47.00	47.00
2.70	47.00	47.00
2.60	47.00	47.00
2.50	47.00	47.00
2.40	47.00	47.00
2.30	47.00	47.00
2.24	47.00	47.00

Table 126.3

Slab height (m)	EuMax 30/450 with MD prop head
	Perm. compressive force in kN
	Inner tube at top
4.70	29.03
4.60	30.55
4.50	31.50
4.40	33.50
4.30	35.50
4.20	37.80
4.10	40.10
4.00	41.30
3.90	41.30
3.80	41.30
3.70	41.30
3.60	41.30
3.50	41.30
3.40	41.30
3.30	41.30
3.20	41.30
3.10	41.30
3.00	41.30
2.90	41.30
2.80	41.30
2.74	41.30

Table 126.4

Key for load charts for the panel method:

- MevaDec-e drop head / MD prop head attached using four bolts
- MevaDec-e drop head attached using four bolts or plugged in
- * Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the panel method, see page MD-133

EuMax 20 + MD props – Reshoring
Perm. compressive force in kN

Slab height (m)	EuMax 20/300 + MD 300/20 with MevaDec-e drop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
3.40	16.00	14.80
3.30	17.03	17.00
3.20	18.06	19.20
3.10	19.15	21.40
3.00	20.60	23.60
2.90	22.10	25.80
2.80	23.80	27.90
2.70	25.60	30.30
2.60	27.60	32.70
2.50	29.30	34.20
2.40	30.50	35.80
2.30	32.20	37.30
2.20	34.20	38.50

Table 127.1

Slab height (m)	EuMax 20/400 + MD 400/20 with MevaDec-e drop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
4.40	17.27	17.80
4.30	18.18	19.60
4.20	19.09	21.40
4.10	20.12	23.20
4.00	21.20	25.00
3.90	22.40	26.80
3.80	23.80	28.80
3.70	25.30	31.10
3.60	26.80	33.60
3.50	28.50	36.30
3.40	30.30	37.00
3.30	32.00	37.00
3.20	33.00	37.00
3.10	34.20	37.00
3.00	35.60	37.00
2.90	37.00	37.00
2.80	37.00	37.00
2.74	37.00	37.00

Table 127.2

Slab height (m)	EuMax 20/550 with MevaDec-e drop head
	Perm. compressive force in kN
	Inner tube at top
5.90	18.67
5.80	19.52
5.70	20.42
5.60	21.27
5.50	21.80
5.40	22.90
5.30	24.10
5.20	25.20
5.10	26.50
5.00	27.80
4.90	29.20
4.80	30.70
4.70	32.40
4.60	34.10
4.50	36.00
4.40	38.00
4.30	40.20
4.20	41.30
4.10	41.30
4.00	41.30
3.90	41.30
3.80	41.30
3.70	41.30
3.60	41.30
3.50	41.30
3.44	41.30

Table 127.3

Key for load charts for reshoring:

- MevaDec-e drop head attached using four bolts
- MevaDec-e drop head attached using four bolts or plugged in
- * Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

EuMax 30 + ME props – Reshoring
Perm. compressive force in kN

Slab height (m)	EuMax 30/250 with MevaDec-e drop head		
	Perm. compressive force in kN		
	Inner tube at top		Inner tube at bottom*
2.90	31.64	41.52	47.00
2.80	32.24	44.67	47.00
2.70	32.61	47.00	47.00
2.60	32.85	47.00	47.00
2.50	32.85	47.00	47.00
2.40	32.85	47.00	47.00
2.30	32.85	47.00	47.00
2.20	32.85	47.00	47.00
2.10	32.85	47.00	47.00
2.00	32.85	47.00	47.00
1.94	32.85	47.00	47.00

Table 128.1

Slab height (m)	ME 250/30 with Meva-Dec-e drop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
2.90	22.42	29.70
2.80	24.15	33.27
2.70	25.91	37.27
2.60	27.73	41.39
2.50	29.61	45.15
2.40	31.42	46.18
2.30	32.06	46.18
2.20	32.55	46.18
2.10	32.91	46.18
2.00	33.48	46.18
1.94	34.52	46.18

Table 128.2

Slab height (m)	EuMax 30/350 + ME 350/30 with Meva-Dec-e drop head		
	Perm. compressive force in kN		
	Inner tube at top		Inner tube at bottom*
3.90	23.27	24.91	22.20
3.80	24.55	26.55	25.00
3.70	25.88	28.18	27.80
3.60	27.21	29.94	30.60
3.50	27.82	31.20	33.40
3.40	28.97	33.60	36.20
3.30	29.70	36.20	39.20
3.20	30.30	38.80	42.10
3.10	30.85	41.80	43.80
3.00	31.33	44.00	45.30
2.90	31.76	45.30	47.00
2.80	32.06	47.00	47.00
2.70	32.36	47.00	47.00
2.60	32.61	47.00	47.00
2.50	32.79	47.00	47.00
2.44	33.09	47.00	47.00

Table 128.3

Slab height (m)	EuMax 30/450 with MevaDec-e drop head
	Perm. compressive force in kN
	Inner tube at top
4.90	26.06
4.80	27.52
4.70	29.03
4.60	30.55
4.50	31.50
4.40	33.50
4.30	35.50
4.20	37.80
4.10	40.10
4.00	41.30
3.90	41.30
3.80	41.30
3.70	41.30
3.60	41.30
3.50	41.30
3.40	41.30
3.30	41.30
3.20	41.30
3.10	41.30
3.00	41.30
2.94	41.30

Table 128.4

Key for load charts for reshoring:

- MevaDec-e drop head attached using four bolts
- MevaDec-e drop head attached using four bolts or plugged in
- * Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

EuMax 20 + MD props – Free-standing prop
Perm. compressive force in kN

Slab height (m)	EuMax 20/300 + MD 300/20	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
3.00	20.60	23.60
2.90	22.10	25.80
2.80	23.80	27.90
2.70	25.60	30.30
2.60	27.60	32.70
2.50	29.30	34.20
2.40	30.50	35.80
2.30	32.20	37.30
2.20	34.20	38.50
2.10	36.80	39.40
2.00	39.80	39.80
1.90	39.80	39.80
1.80	39.80	39.80

Table 129.1

Slab height (m)	EuMax 20/400 + MD 400/20	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
4.00	21.20	25.00
3.90	22.40	26.80
3.80	23.80	28.80
3.70	25.30	31.10
3.60	26.80	33.60
3.50	28.50	36.30
3.40	30.30	37.00
3.30	32.00	37.00
3.20	33.00	37.00
3.10	34.20	37.00
3.00	35.60	37.00
2.90	37.00	37.00
2.80	37.00	37.00
2.70	37.00	37.00
2.60	37.00	37.00
2.50	37.00	37.00
2.40	37.00	37.00
2.34	37.00	37.00

Table 129.2

Slab height (m)	EuMax 20/550	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
5.50	21.80	23.90
5.40	22.90	25.30
5.30	24.10	26.70
5.20	25.20	28.10
5.10	26.50	29.60
5.00	27.80	31.30
4.90	29.20	33.00
4.80	30.70	35.00
4.70	32.40	37.20
4.60	34.10	39.50
4.50	36.00	41.30
4.40	38.00	41.30
4.30	40.20	41.30
4.20	41.30	41.30
4.10	41.30	41.30
4.00	41.30	41.30
3.90	41.30	41.30
3.80	41.30	41.30
3.70	41.30	41.30
3.60	41.30	41.30
3.50	41.30	41.30
3.40	41.30	41.30
3.30	41.30	41.30
3.20	41.30	41.30
3.10	41.30	41.30
3.04	41.30	41.30

Table 129.3

Key for load charts for free-standing prop:

* Plugged-in MevaDec-e drop head / MD prop head / forked prop head in the outer tube (installed with the inner tube at the bottom) not possible

EuMax 30 + ME props – Free-standing prop
Perm. compressive force in kN

Slab height (m)	EuMax 30/250	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
2.50	47.00	47.00
2.40	47.00	47.00
2.30	47.00	47.00
2.20	47.00	47.00
2.10	47.00	47.00
2.00	47.00	47.00
1.90	47.00	47.00
1.80	47.00	47.00
1.70	47.00	47.00
1.60	47.00	47.00
1.54	47.00	47.00

Table 130.1

Slab height (m)	ME 250/30	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
2.50	29.61	45.15
2.40	31.42	46.18
2.30	32.06	46.18
2.20	32.55	46.18
2.10	32.91	46.18
2.00	33.48	46.18
1.90	34.52	46.18
1.80	34.52	46.18
1.70	34.52	46.18
1.60	34.52	46.18
1.54	34.52	46.18

Table 130.2

Slab height (m)	EuMax 30/350 + ME 350/30	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
3.50	31.20	33.40
3.40	33.30	36.20
3.30	36.20	39.20
3.20	38.80	42.10
3.10	41.80	43.80
3.00	44.00	45.30
2.90	45.30	47.00
2.80	47.00	47.00
2.70	47.00	47.00
2.60	47.00	47.00
2.50	47.00	47.00
2.40	47.00	47.00
2.30	47.00	47.00
2.20	47.00	47.00
2.10	47.00	47.00
2.04	47.00	47.00

Table 130.3

Slab height (m)	EuMax 30/450	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
4.50	31.50	34.30
4.40	33.50	36.70
4.30	35.50	39.30
4.20	37.80	41.30
4.10	40.10	41.30
4.00	41.30	41.30
3.90	41.30	41.30
3.80	41.30	41.30
3.70	41.30	41.30
3.60	41.30	41.30
3.50	41.30	41.30
3.40	41.30	41.30
3.30	41.30	41.30
3.20	41.30	41.30
3.10	41.30	41.30
3.00	41.30	41.30
2.90	41.30	41.30
2.80	41.30	41.30
2.70	41.30	41.30
2.60	41.30	41.30
2.54	41.30	41.30

Table 130.4

Key for load charts for free-standing prop:

* Plugged-in MevaDec-e drop head / MD prop head / forked prop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method

Example application 1

Requirement: Slab thickness: 0.45 m
Slab height: 2.80 m
Use of MevaDec-e panel 160/80
Use of MevaDec-e primary beam 160 only (symmetrical loading)

Selected: EuMax 30/250
Max. slab thickness for slab height 2.80 m = 46 cm > 0.45 m
Primary beam length 160/160
MevaDec-e panel 160/80 can be inserted with the short side in the primary beam (PB spacing 160)
Use with MevaDec-e drop head secured with four bolts, irrespective of the installation position (Table 131.1)
or
plugged in, installation position: inner tube at the top (Table 131.2).
Installation with the inner tube at the bottom is not possible, as the outer tube has no hole.

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 80 / 80				PB length 160 / 160			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
~~2.90~~	47	92	92	105	~~46~~	92	92	105
2.80	47	92	92	105	46	92	92	105
~~2.70~~	47	92	92	105	~~46~~	92	92	105
2.60	47	92	92	105	46	92	92	105
2.50	47	92	92	105	46	92	92	105
2.40	47	92	92	105	46	92	92	105
2.30	47	92	92	105	46	92	92	105
2.20	47	92	92	105	46	92	92	105
2.10	47	92	92	105	46	92	92	105
2.00	47	92	92	105	46	92	92	105
1.94	47	92	92	105	46	92	92	105

Table 131.1 EuMax 30/250 Symmetrical loading / Bolted-on MevaDec-e drop head

Slab height (m)	*EuMax 30/250 / Plugged-in MevaDec-e drop head**							
	PB length 80 / 80				*PB length 160 / 160*			
	PB spacing 160	*PB spacing 80*	*PB spacing 60*	*PB spacing 40*	*PB spacing 160*	*PB spacing 80*	*PB spacing 60*	*PB spacing 40*
~~*2.90*~~	*47*	*92*	*92*	*105*	~~*46*~~	*92*	*92*	*105*
2.80	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
~~*2.70*~~	*47*	*92*	*92*	*105*	~~*46*~~	*92*	*92*	*105*
2.60	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.50	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.40	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.30	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.20	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.10	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
2.00	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*
1.94	*47*	*92*	*92*	*105*	*46*	*92*	*92*	*105*

Table 131.2 EuMax 30/250 Symmetrical loading / Plugged-in MevaDec-e drop head

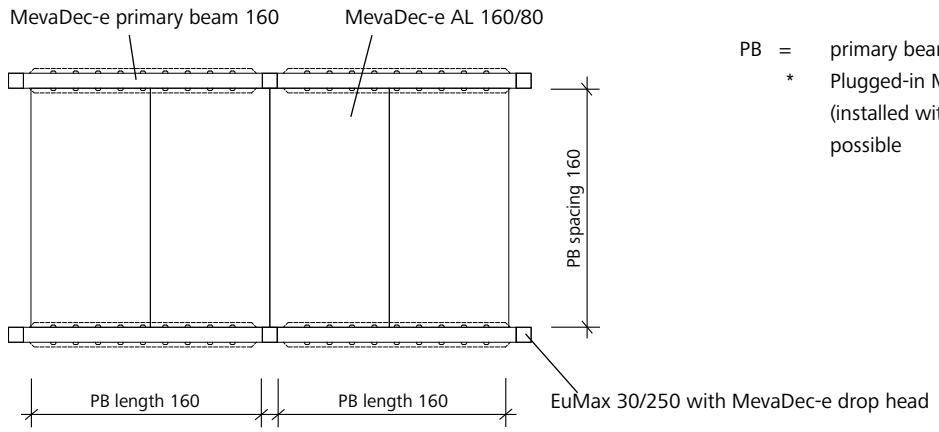


Fig. 131.3

Key for load charts for the drop-head-beam-panel method:

PB = primary beam
* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

Example application for the drop-head-beam-panel method

Example application 2

Requirement: Slab thickness: 0.65 m
Slab height: 5.50 m
Use of MevaDec-e panel: no restrictions
Use of MevaDec-e primary beam: no restrictions

Selected: EuMax 20/550
Max. slab thickness for slab height 5.50 m = 67 cm > 0.65 m
Primary beam lengths, alternating 80/160 (asymmetrical loading)
MevaDec-e panel 160/80 can be inserted with the long side in the primary beam (PB spacing 80)
Use with MevaDec-e drop head secured with four bolts, irrespective of the installation position (Table 132.1)
Cannot be used with plugged-in MevaDec-e drop head (Table 132.2)

Slab height (m)	EuMax 20/550 / Bolted-on MevaDec-e drop head							
	PB length 80 / 160				PB length 80 / 210			
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
5.90	28	57	75	105	22	47	62	90
5.80	30	60	79	105	24	49	65	94
5.70	31	62	82	105	25	51	67	97
5.60	32	63	84	105	26	52	69	100
5.50	33	67	89	105	27	55	73	105
5.40	35	71	92	105	29	58	77	105
5.30	37	74	92	105	31	61	81	105
5.20	39	79	92	105	32	65	86	105
5.10	42	83	92	105	34	68	91	105
5.00	44	88	92	105	35	69	92	105

Table 132.1 – EuMax 20/550 Asymmetrical loading / Bolted-on MevaDec-e drop head

Slab height (m)	*EuMax 20/550 / Plugged-in MevaDec-e drop head*							
	PB length 80 / 160				*PB length 80 / 210*			
	PB spacing 160	*PB spacing 80*	*PB spacing 60*	*PB spacing 40*	*PB spacing 160*	*PB spacing 80*	*PB spacing 60*	*PB spacing 40*
5.90	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.80	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.70	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.60	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.50	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.40	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.30	*28*	*56*	*74*	*105*	*20**	*33*	*43*	*62*
5.20	*28*	*57*	*75*	*105*	*20**	*33*	*44*	*63*
5.10	*28*	*57*	*75*	*105*	*20**	*33*	*44*	*63*
5.00	*28*	*57*	*75*	*105*	*20**	*33*	*44*	*63*

Table 132.2 – EuMax 20/550 Asymmetrical loading / Plugged-in MevaDec-e drop head

Key for load charts for the drop-head-beam-panel method:
PB = primary beam
* Plugged-in MevaDec-e drop head in the outer tube (installed with the inner tube at the bottom) not possible

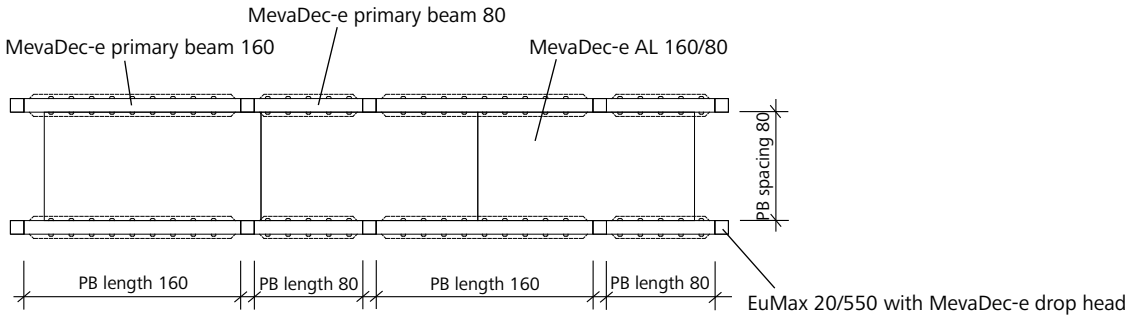


Fig. 132.3

Example application for the panel method

MevaDec-e AL panels	Max. slab thickness in cm
80/40	147
80/60	137
80/80	115
160/40	99
160/60	63
160/80	47
160/160	34
160/160 (supported in the middle)	50

Table 133.1

The maximum permissible slab thicknesses refer to MevaDec-e-AL panels supported at the corners (Fig. 133.2) and to a MevaDec-e AL panel 160/160 that is additionally supported in the middle (Fig. 133.3).

Fig. 133.2 – supported at the corner

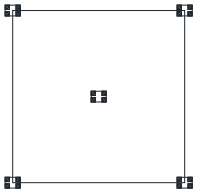


Fig. 133.3 – 160/160 supported in the middle

Example application 1

Requirement: Slab thickness: 0.45 m

Slab height: 4.60 m

Panel selected: 160/80 (prop influence area 1.28 m²):

MevaDec-e AL 160/80

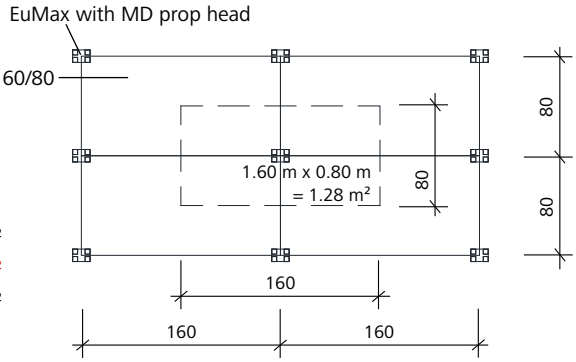


Fig. 133.4

Calculation method for dead load of slab (see also page MD-74)

Own weight of the formwork: g_1 = 0.25 kN/m²

Fresh concrete: slab thickness 0.45 m x 25 kN/m³ g_2 = 11.25 kN/m²

Equivalent load of personnel and machines: g_3 = 0.75 kN/m²

Additional load due to concrete accumulation g_4: g_2 x 0.10

However, $g_4 \leq 1.75$ kN/m² and $g_4 \geq 0.75$ kN/m²

11.25 kN/m² x 0.10 = 1.13 kN/m² g_4 = 1.13 kN/m²

$\sum g$ = 13.38 kN/m²

Dead load of slab x prop influence area = compressive force acting on prop:

13.38 kN/m² x 1.28 m² = **17.13 kN**

– – Prop influence area

—— Value variable

—— Value constant

Slab height (m)	EuMax 30/450 with MD prop head Perm. compressive force in kN Inner tube at top
4.70	29.03
4.60	30.55
4.50	31.50
4.40	33.50
4.30	35.50
4.20	37.80
4.10	40.10
4.00	41.30
3.90	41.30
3.80	41.30
3.70	41.30
3.60	41.30
3.50	41.30
3.40	41.30
3.30	41.30
3.20	41.30
3.10	41.30
3.00	41.30
2.90	41.30
2.80	41.30
2.74	41.30

Slab height (m)	EuMax 20/550 with MD prop head Perm. compressive force in kN Inner tube at top
5.70	20.42
5.60	21.27
5.50	21.80
5.40	22.90
5.30	24.10
5.20	25.20
5.10	26.50
5.00	27.80
4.90	29.20
4.80	30.70
4.70	32.40
4.60	34.10
4.50	36.00
4.40	38.00
4.30	40.20
4.20	41.30
4.10	41.30
4.00	41.30
3.90	41.30
3.80	41.30
3.70	41.30
3.60	41.30
3.50	41.30
3.40	41.30
3.30	41.30
3.24	41.30

Prop selected:

EuMax 30/450: **17.13 kN** < 30.55 kN, can be used!

EuMax 20/550: **17.13 kN** < 34.10 kN, can be used!

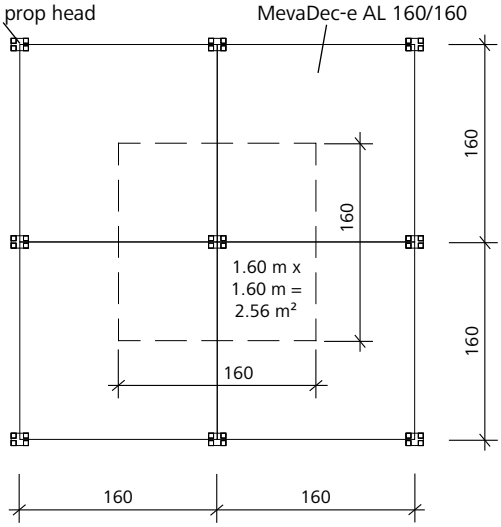
Example application for the panel method

Example application 2

Requirement: Slab thickness: 0.30 m
Slab height: 3.00 m
Panel selected: 160/160 (prop influence area 2.56 m²):

EuMax or MD/ME prop with MD prop head

MevaDec-e AL 160/160



Calculation method for dead load of slab (see also page MD-74)

Own weight of the formwork:	g_1 =	0.25	kN/m²
Fresh concrete: slab thickness 0.30 m x 25 kN/m³	g_2 =	7.50	kN/m²
Equivalent load of personnel and machines:	g_3 =	0.75	kN/m²
Additional load due to concrete accumulation g_4: g_2 x 0.10			
However, $g_4 \leq 1.75$ kN/m² and $g_4 \geq 0.75$ kN/m²			
7.50 kN/m² x 0.10 = 0.75 kN/m²	g_4 =	0.75	kN/m²
	∑g =	9.25	kN/m²

Dead load of slab x prop influence area = compressive force acting on prop:
9.25 kN/m² x 2.56 m² = **23.68 kN**

– – Prop influence area
—— Value variable
—— Value constant

Slab height (m)	EuMax 20/300 + MD 300/20 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
3.20	18.06	19.20
3.10	19.15	21.40
3.00	20.60	23.60
2.90	22.10	25.80
2.80	23.80	27.90
2.70	25.60	30.30
2.60	27.60	32.70
2.50	29.30	34.20
2.40	30.50	35.80
2.30	32.20	37.30
2.20	34.20	38.50
2.10	36.80	39.40
2.00	39.80	39.80

Slab height (m)	EuMax 20/400 + MD 400/20 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
4.20	19.09	21.40
4.10	20.12	23.20
4.00	21.20	25.00
3.90	22.40	26.80
3.80	23.80	28.80
3.70	25.30	31.10
3.60	26.80	33.60
3.50	28.50	36.30
3.40	30.30	37.00
3.30	32.00	37.00
3.20	33.00	37.00
3.10	34.20	37.00
3.00	35.60	37.00
2.90	37.00	37.00
2.80	37.00	37.00
2.70	37.00	37.00
2.60	37.00	37.00
2.54	37.00	37.00

Slab height (m)	EuMax 30/350 + ME 350/30 with MD prop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom
3.70	28.18	27.80
3.60	29.94	30.60
3.50	31.20	33.40
3.40	33.60	36.20
3.30	36.20	39.20
3.20	38.80	42.10
3.10	41.80	43.80
3.00	44.00	45.30
2.90	45.30	47.00
2.80	47.00	47.00
2.70	47.00	47.00
2.60	47.00	47.00
2.50	47.00	47.00
2.40	47.00	47.00
2.30	47.00	47.00
2.24	47.00	47.00

Prop selected:
EuMax 20/300 + MD 300/20: **23.68 kN** > 20.60 kN or 23.60 kN, **cannot** be used!
EuMax 20/400 + MD 400/20: **23.68 kN** < 35.60 kN inner tube at the top; **23.68 kN** < 37.00 kN inner tube at the bottom, can be used!
EuMax 30/350 + ME 350/30: **23.68 kN** < 44.00 kN inner tube at the top; **23.68 kN** < 45.30 kN inner tube at the bottom, can be used!

Notes

MEVA Schalungs-Systeme GmbH

Industriestrasse 5
72221 Haiterbach
Germany

Tel. +49 7456 692-01
Fax +49 7456 692-66
info@meva.net

www.meva.net

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