



# MevaDec

## Load Charts

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## 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.

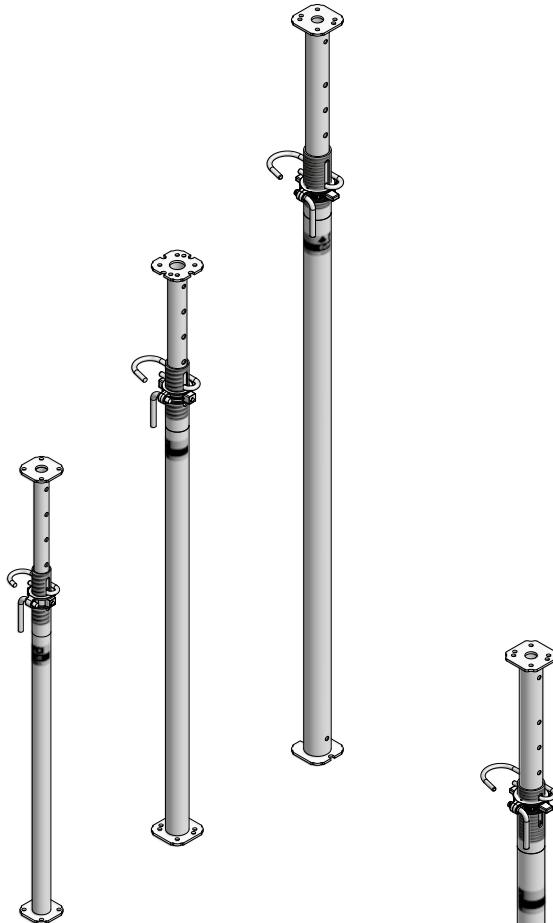


Fig. 71.1 EuMax 30 props

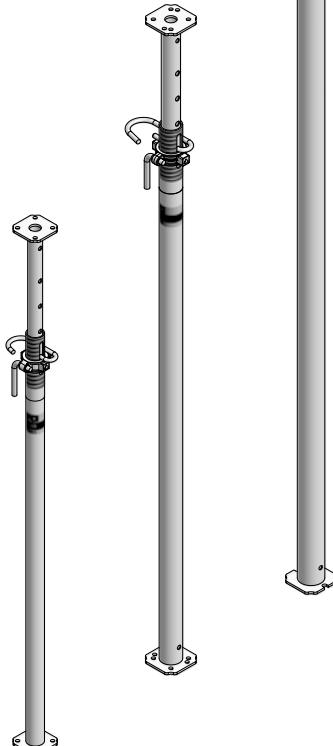


Fig. 71.2 EuMax 20 props

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

## 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.

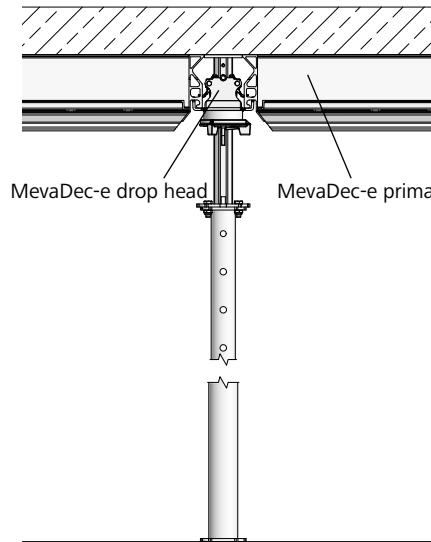


Fig. 72.1 Drop-head-beam-panel method in the field  
Load case: symmetrical or asymmetrical loading

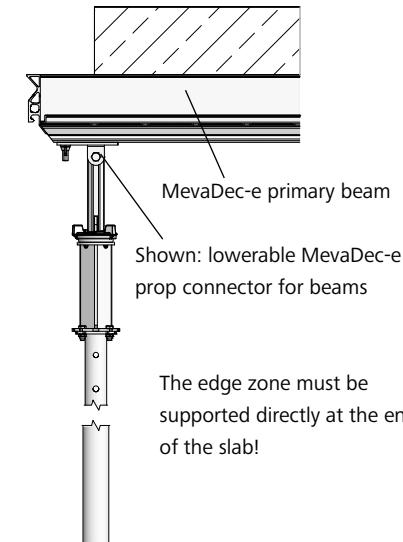


Fig. 72.2  
Drop-head-beam-panel method at the slab edge  
Load case: one-sided loading

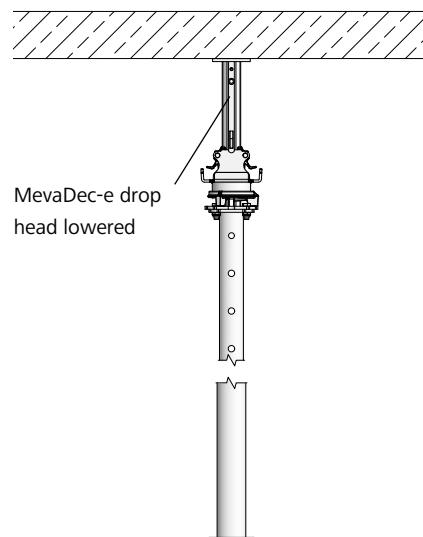


Fig. 72.3 Drop-head-beam-panel method  
Load case: reshoring

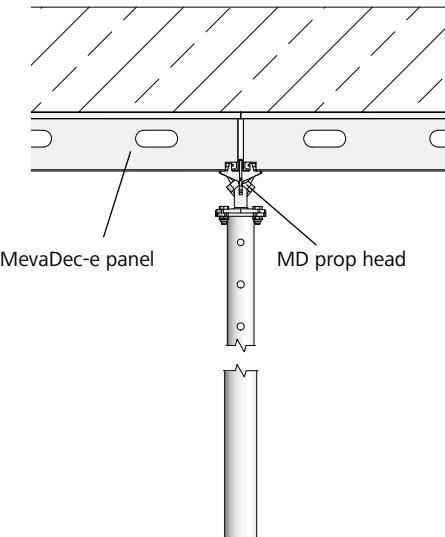


Fig. 72.4 Panel method  
Load case: panel method

## Slab Formwork

# 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<br>Example application for the panel method, see page MD-133 |

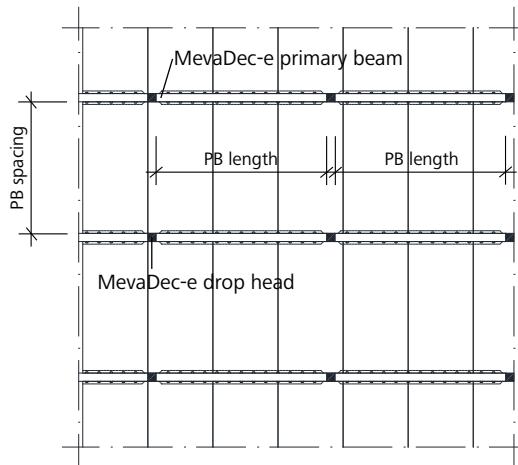


Fig. 73.1 Drop-head-beam-panel method in the field  
 Load case: symmetrical loading

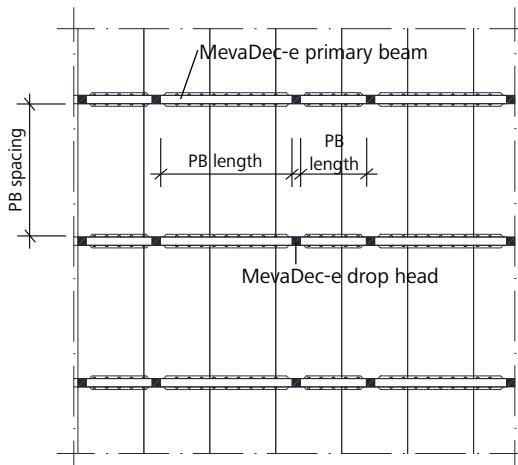


Fig. 73.2 Drop-head-beam-panel method in the field  
 Load case: asymmetrical loading

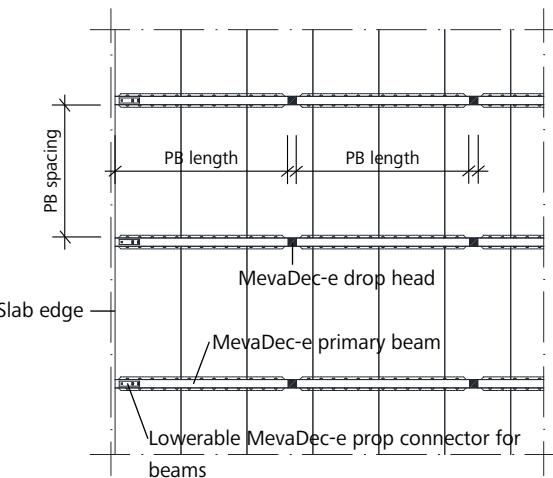


Fig. 73.3 Drop-head-beam-panel method at the slab edge  
 Load case: one-sided loading

## Slab Formwork

# 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).

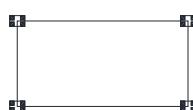


Fig. 74.3 – supported at the corner

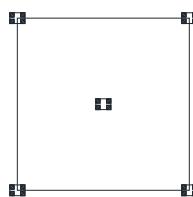


Fig. 74.4 – 160/160 supported in the middle

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)

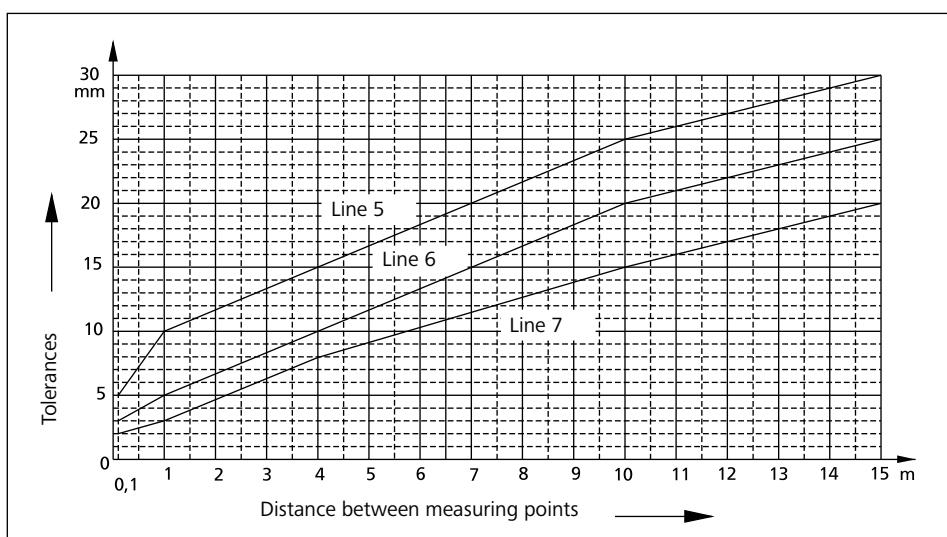


Fig. 74.2

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:  $g_1 = 0.25 \text{ kN/m}^2$

Fresh concrete: Slab thickness in m x 25 kN/m<sup>3</sup>  $g_2 = \text{_____ kN/m}^2$

Equivalent load of personnel and machines:  $g_3 = 0.75 \text{ kN/m}^2$

Concrete accumulation  $g_4: g_2 \times 0.10$

however,  $g_4 \leq 1.75 \text{ kN/m}^2$  and  $g_4 \geq 0.75 \text{ kN/m}^2$   $g_4 = \text{_____ kN/m}^2$

$\sum g = \text{_____ kN/m}^2$

# EuMax 20/300 + MD 300/20 – Symmetrical 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
3.40	37	74	92	105	37	49
3.30	40	80	92	105	40	52
3.20	43	85	92	105	43	55
3.10	45	90	92	105	21	45
3.00	47	92	92	105	23	48
2.90	47	92	92	105	25	52
2.80	47	92	92	105	28	56
2.70	47	92	92	105	31	61
2.60	47	92	92	105	33	65
2.50	47	92	92	105	34	68
2.40	47	92	92	105	36	72
2.30	47	92	92	105	39	78
2.20	47	92	92	105	42	84

Table 75.1

Slab height (m)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head					
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
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	33	43	62
2.70	22	46	61	35	47	67
2.60	24	49	65	38	50	72
2.50	25	52	68	40	52	75
2.40	27	55	72	105	42	55
2.30	29	58	77	105	21	45
2.20	32	63	84	105	23	49

Table 75.2

 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 – Asymmetrical loading Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (mm)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head											
	PB length 80 / 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB length 80 / 210	PB spacing 80	PB spacing 60	PB spacing 40
3.40	24	50	65	95	41	54	78	34	44	48	64	68
3.30	26	53	70	102	21	44	58	84	36	51	53	73
3.20	28	57	75	104	23	47	62	89	41	53	77	84
3.10	30	60	79	105	24	49	65	94	21	44	58	84
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 (mm)	EuMax 20/300 + MD 300/20 / Bolted-on MevaDec-e drop head											
	PB length 160 / 210	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB length 210 / 270	PB spacing 80	PB spacing 60	PB spacing 40
3.40	32	42	60	60	27	36	52	23	32	34	49	46
3.30	34	45	65	65	29	38	55	25	36	36	52	52
3.20	36	48	69	69	31	41	59	27	38	41	60	55
3.10	38	50	72	72	33	43	62	29	31	41	65	65
3.00	41	54	79	79	35	47	67	34	45	49	70	70
2.90	21	45	59	86	38	50	73	37	40	53	76	82
2.80	23	49	64	93	42	55	79	40	43	56	70	86
2.70	26	53	69	101	21	45	59	86	20	45	59	91
2.60	28	56	74	105	23	48	63	92	23	48	62	97
2.50	29	59	78	105	24	50	66	96	25	51	67	102
2.40	31	62	82	105	26	53	70	102	26	53	70	102
2.30	33	66	88	105	26	53	70	102	26	53	70	102
2.20	35	69	92	105	26	53	70	102	26	53	70	102

Table 76.2

For key see page MD73

# EuMax 20/300 + MD 300/20 – One-sided 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 spacing 160	PB length 80	PB spacing 80	PB spacing 60	PB spacing 40	PB length 160
3.40	47	92	92	105	25	52
3.30	47	92	92	105	27	55
3.20	47	92	92	105	28	57
3.10	47	92	92	105	29	58
3.00	47	92	92	105	30	60
2.90	47	92	92	105	31	63
2.80	47	92	92	105	32	65
2.70	47	92	92	105	33	67
2.60	47	92	92	105	35	69
2.50	47	92	92	105	36	71
2.40	47	92	92	105	36	73
2.30	47	92	92	105	36	73
2.20	47	92	92	105	36	73

Table 77.1

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

Table 77.2

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

- Slab thickness < 20 cm
- 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
4.40	40	80	92	105	40	52
4.30	42	85	92	105	42	55
4.20	44	89	92	105	21	44
4.10	46	92	92	105	22	46
4.00	47	92	92	105	23	49
3.90	47	92	92	105	25	52
3.80	47	92	92	105	27	56
3.70	47	92	92	105	30	59
3.60	47	92	92	105	32	63
3.50	47	92	92	105	34	68
3.40	47	92	92	105	36	72
3.30	47	92	92	105	37	75
3.20	47	92	92	105	39	78
3.10	47	92	92	105	41	81
3.00	47	92	92	105	42	85
2.90	47	92	92	105	42	85
2.80	47	92	92	105	42	85
2.74	47	92	92	105	42	85

Table 78.1

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

PB = primary beam

\* Slab thickness < 20 cm  
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 210 / 210						EuMax 20/400 + MD 400/20 / Bolted-on MevaDec-e drop head					
	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 length 270 / 270	PB length 60	PB length 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:

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 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 length 80 / 210
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	85
3.90	35	70	92	105	29	58	76	105	23	48	91
3.80	37	75	92	105	31	62	81	105	25	51	97
3.70	40	80	92	105	33	65	87	105	26	53	102
3.60	43	86	92	105	35	69	92	105	26	53	102
3.50	46	92	92	105	35	69	92	105	26	53	102
3.40	46	92	92	105	35	69	92	105	26	53	102
3.30	46	92	92	105	35	69	92	105	26	53	102
3.20	46	92	92	105	35	69	92	105	26	53	102
3.10	46	92	92	105	35	69	92	105	26	53	102
3.00	46	92	92	105	35	69	92	105	26	53	102
2.90	46	92	92	105	35	69	92	105	26	53	102
2.80	46	92	92	105	35	69	92	105	26	53	102
2.74	46	92	92	105	35	69	92	105	26	53	102

Table 80.1

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

PB = primary beam  
  Slab thickness < 20 cm

\* 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 spacing 160	PB length 160 / 210	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
4.40	34	45	64			29	38		55		25	34
4.30	36	48	68			31	41		58		27	36
4.20	38	50	72			33	43		61		29	38
4.10	40	52	75			34	44		64		30	40
4.00	42	55	80			36	47		68		32	42
3.90	21	45	59	86		38	50	73			34	45
3.80	23	48	63	92		41	54	78			37	48
3.70	25	51	67	98	20	44	57	83			39	51
3.60	27	55	72	105	22	47	61	89			42	55
3.50	29	58	77	105	24	50	65	96	21		45	58
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:

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

Slab thickness < 20 cm  
 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 spacing 160	PB length 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:

PB = primary beam  
 Slab thickness < 20 cm

\* 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 40
4.40	22	46	60	87	35	46
4.30	23	48	62	91	37	48
4.20	24	50	64	94	38	50
4.10	24	51	66	97	39	51
4.00	25	52	68	100	40	53
3.90	27	54	71	104	42	55
3.80	28	56	74	105	20	43
3.70	29	58	77	105	21	45
3.60	30	60	79	105	22	46
3.50	31	62	82	105	23	48
3.40	32	64	85	105	24	49
3.30	33	66	88	105	25	51
3.20	34	68	90	105	26	52
3.10	35	69	92	105	26	53
3.00	35	69	92	105	26	53
2.90	35	69	92	105	26	53
2.80	35	69	92	105	26	53
2.74	35	69	92	105	26	53

Table 83.1

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

Slab thickness &lt; 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 spacing 160	PB length 80 / 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB length 160 / 160	PB spacing 60
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:

PB = primary beam  
  Slab thickness < 20 cm

\* 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 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	32	47
5.80	33	44	63		25	34	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

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

PB = primary beam  
 \* Slab thickness < 20 cm  
 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

Table 85.1

# 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 / 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 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	41	53	77	80	
5.80	30	60	79	105	24	49	65	94	42	55	73	43	57	82	87	
5.70	31	62	82	105	25	51	67	97	20	43	60	22	46	60	77	
5.60	32	63	84	105	26	52	69	100	20	43	60	22	46	60	77	
5.50	33	67	89	105	27	55	73	105	22	46	60	23	48	63	92	
5.40	35	71	92	105	29	58	77	105	23	48	63	24	51	66	97	
5.30	37	74	92	105	31	61	81	105	24	51	66	24	53	70	102	
5.20	39	79	92	105	32	65	86	105	26	53	70	26	53	70	102	
5.10	42	83	92	105	34	68	91	105	26	53	70	26	53	70	102	
5.00	44	88	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.90	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.80	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.70	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.60	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.50	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.40	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.30	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.20	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.10	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
4.00	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.90	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.80	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.70	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.60	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.50	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	
3.44	46	92	92	105	35	69	92	105	26	53	70	26	53	70	102	

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 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		32	37	48		69		33	43
5.40	21	46	60		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

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

PB = primary beam  
 \* Slab thickness < 20 cm  
 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

Table 87.1

# 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 spacing 160	PB length 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB length 60	PB length 160
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:

PB = primary beam  
 Slab thickness < 20 cm

\* 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 160	PB spacing 80	PB length 210	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB length 270
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:

PB = primary beam  
 Slab thickness < 20 cm

\* 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
2.90	47	92	92	105	46	92
2.80	47	92	92	105	46	92
2.70	47	92	92	105	46	92
2.60	47	92	92	105	46	92
2.50	47	92	92	105	46	92
2.40	47	92	92	105	46	92
2.30	47	92	92	105	46	92
2.20	47	92	92	105	46	92
2.10	47	92	92	105	46	92
2.00	47	92	92	105	46	92
1.94	47	92	92	105	46	92

Table 90.1

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

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 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 40
2.90	46	92	92	105	35	69	92	105
2.80	46	92	92	105	35	69	92	105
2.70	46	92	92	105	35	69	92	105
2.60	46	92	92	105	35	69	92	105
2.50	46	92	92	105	35	69	92	105
2.40	46	92	92	105	35	69	92	105
2.30	46	92	92	105	35	69	92	105
2.20	46	92	92	105	35	69	92	105
2.10	46	92	92	105	35	69	92	105
2.00	46	92	92	105	35	69	92	105
1.94	46	92	92	105	35	69	92	105

Table 91.1

Slab height (m)	EuMax 30/250 / Bolted-on MevaDec-e drop head							
	PB length 160 / 210				PB length 160 / 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 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 91.2

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, 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 spacing 160	PB length 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
2.90	47	92	92	105	46	92
2.80	47	92	92	105	46	92
2.70	47	92	92	105	46	92
2.60	47	92	92	105	46	92
2.50	47	92	92	105	46	92
2.40	47	92	92	105	46	92
2.30	47	92	92	105	46	92
2.20	47	92	92	105	46	92
2.10	47	92	92	105	46	92
2.00	47	92	92	105	46	92
1.94	47	92	92	105	46	92

Table 92.1

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

Table 92.2

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

Slab thickness &lt; 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 spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
2.90	47	92	92	105	26	54
2.80	47	92	92	105	29	59
2.70	47	92	92	105	32	64
2.60	47	92	92	105	37	73
2.50	47	92	92	105	40	81
2.40	47	92	92	105	43	86
2.30	47	92	92	105	45	90
2.20	47	92	92	105	46	92
2.10	47	92	92	105	46	92
2.00	47	92	92	105	46	92
1.90	47	92	92	105	46	92

Table 93.1

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

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 spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80 / 210
2.90	36	72	92	105	30	60
2.80	40	79	92	105	33	65
2.70	43	86	92	105	35	69
2.60	46	92	92	105	35	69
2.50	46	92	92	105	35	69
2.40	46	92	92	105	35	69
2.30	46	92	92	105	35	69
2.20	46	92	92	105	35	69
2.10	46	92	92	105	35	69
2.00	46	92	92	105	35	69
1.94	46	92	92	105	35	69

Table 94.1

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

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 spacing 160	PB spacing 80	PB length 80	PB spacing 60	PB spacing 40	PB length 160
2.90	47	92	92	105	32	64
2.80	47	92	92	105	34	67
2.70	47	92	92	105	35	70
2.60	47	92	92	105	36	72
2.50	47	92	92	105	37	74
2.40	47	92	92	105	38	77
2.30	47	92	92	105	39	78
2.20	47	92	92	105	39	78
2.10	47	92	92	105	39	78
2.00	47	92	92	105	39	78
1.94	47	92	92	105	39	78

Table 95.1

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

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

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
3.90	47	92	92	105	30	59
3.80	47	92	92	105	32	64
3.70	47	92	92	105	34	67
3.60	47	92	92	105	35	70
3.50	47	92	92	105	38	76
3.40	47	92	92	105	41	83
3.30	47	92	92	105	45	90
3.20	47	92	92	105	46	92
3.10	47	92	92	105	46	92
3.00	47	92	92	105	46	92
2.90	47	92	92	105	46	92
2.80	47	92	92	105	46	92
2.70	47	92	92	105	46	92
2.60	47	92	92	105	46	92
2.50	47	92	92	105	46	92
2.44	47	92	92	105	46	92

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
3.90	21	45	59	86	34	45
3.80	23	48	63	92	37	49
3.70	25	51	66	97	39	51
3.60	26	53	69	101	41	53
3.50	28	57	75	105	21	44
3.40	31	62	82	105	23	48
3.30	34	67	89	105	25	52
3.20	35	69	92	105	26	53
3.10	35	69	92	105	26	53
3.00	35	69	92	105	26	53
2.90	35	69	92	105	26	53
2.80	35	69	92	105	26	53
2.70	35	69	92	105	26	53
2.60	35	69	92	105	26	53
2.50	35	69	92	105	26	53
2.44	35	69	92	105	26	53

Table 96.2

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

- Slab thickness < 20 cm
- 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 – Asymmetrical loading

## Slab thickness in cm, bolted-on MevaDec-e drop head

Slab height (mm)	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	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	33	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 (mm)	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	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	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	44	84	84	3.60	30	60	80	105	25	52	68	99	22	46	60
3.50	33	65	87	105	26	53	70	102	24	50	65	65	3.40	35	69	92	105	26	53	70	102	26	53	70
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
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
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
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
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

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

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

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	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
3.80	34	68	91	105	26	53	69
3.70	35	69	92	105	26	53	70
3.60	35	69	92	105	26	53	70
3.50	35	69	92	105	26	53	70
3.40	35	69	92	105	26	53	70
3.30	35	69	92	105	26	53	70
3.20	35	69	92	105	26	53	70
3.10	35	69	92	105	26	53	70
3.00	35	69	92	105	26	53	70
2.90	35	69	92	105	26	53	70
2.80	35	69	92	105	26	53	70
2.70	35	69	92	105	26	53	70
2.60	35	69	92	105	26	53	70
2.50	35	69	92	105	26	53	70
2.44	35	69	92	105	26	53	70

Table 98.2

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

- Slab thickness < 20 cm
- 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 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:

PB = primary beam  
  Slab thickness < 20 cm

\* 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 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:

PB = primary beam  
 \* Slab thickness < 20 cm

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
4.90	41	83	92	105	34	68	90	105	26	53	70
4.80	44	89	92	105	35	69	92	105	26	53	70
4.70	45	91	92	105	35	69	92	105	26	53	70
4.60	46	92	92	105	35	69	92	105	26	53	70
4.50	46	92	92	105	35	69	92	105	26	53	70
4.40	46	92	92	105	35	69	92	105	26	53	70
4.30	46	92	92	105	35	69	92	105	26	53	70
4.20	46	92	92	105	35	69	92	105	26	53	70
4.10	46	92	92	105	35	69	92	105	26	53	70
4.00	46	92	92	105	35	69	92	105	26	53	70
3.90	46	92	92	105	35	69	92	105	26	53	70
3.80	46	92	92	105	35	69	92	105	26	53	70
3.70	46	92	92	105	35	69	92	105	26	53	70
3.60	46	92	92	105	35	69	92	105	26	53	70
3.50	46	92	92	105	35	69	92	105	26	53	70
3.40	46	92	92	105	35	69	92	105	26	53	70
3.30	46	92	92	105	35	69	92	105	26	53	70
3.20	46	92	92	105	35	69	92	105	26	53	70
3.10	46	92	92	105	35	69	92	105	26	53	70
3.00	46	92	92	105	35	69	92	105	26	53	70
2.94	46	92	92	105	35	69	92	105	26	53	70

Table 101.1

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

PB =   Slab thickness < 20 cm

\* 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 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:

PB = Slab thickness &lt; 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 spacing 160	PB length 80	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	92	105
4.80	47	92	92	105	46	92	92	92	105
4.70	47	92	92	105	46	92	92	92	105
4.60	47	92	92	105	46	92	92	92	105
4.50	47	92	92	105	46	92	92	92	105
4.40	47	92	92	105	46	92	92	92	105
4.30	47	92	92	105	46	92	92	92	105
4.20	47	92	92	105	46	92	92	92	105
4.10	47	92	92	105	46	92	92	92	105
4.00	47	92	92	105	46	92	92	92	105
3.90	47	92	92	105	46	92	92	92	105
3.80	47	92	92	105	46	92	92	92	105
3.70	47	92	92	105	46	92	92	92	105
3.60	47	92	92	105	46	92	92	92	105
3.50	47	92	92	105	46	92	92	92	105
3.40	47	92	92	105	46	92	92	92	105
3.30	47	92	92	105	46	92	92	92	105
3.20	47	92	92	105	46	92	92	92	105
3.10	47	92	92	105	46	92	92	92	105
3.00	47	92	92	105	46	92	92	92	105
2.94	47	92	92	105	46	92	92	92	105

Table 103.1

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

PB = primary beam  
 \* Slab thickness < 20 cm

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:

PB = primary beam  
 Slab thickness < 20 cm

\* 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

Slab height (m)	EuMax 20/300 + MD 300/20 / Plugged-in MevaDec-e drop head*				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	70
3.30	40	80	92	105	40	52	75	75
3.20	43	85	92	105	43	55	80	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 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	53	20	28	41	41
3.30	30	39	57	57	22	30	44	44
3.20	32	42	60	60	24	32	47	47
3.10	33	44	63	63	25	34	49	49
3.00	36	48	68	68	27	37	53	53
2.90	39	52	74	74	30	40	57	57
2.80	20	43	56	81	33	43	62	62
2.70	22	46	61	88	35	47	67	67
2.60	24	49	65	94	38	50	72	72
2.50	25	52	68	99	40	52	75	75
2.40	27	55	72	105	42	55	80	80
2.30	29	58	77	105	21	45	59	86
2.20	32	63	84	105	23	49	64	93

Table 105.2

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

\* PB = primary beam

Slab thickness < 20 cm

# 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 / 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	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			36	48	44	64
3.30	26	53	70	102	21	44	58	84					39	51			41	53	53	68
3.20	28	57	75	104	23	47	62	89					44	58			44	58	58	73
3.10	30	60	79	105	24	49	65	94					41	53			41	53	53	77
3.00	32	64	85	105	26	53	70	102					21	44			21	44	44	84
2.90	35	70	92	105	29	58	76	105					23	48			23	48	48	91
2.80	38	76	92	105	31	62	83	105					25	52			25	52	52	99
2.70	41	83	92	105	34	68	90	105					26	53			26	53	53	102
2.60	44	88	92	105	35	69	92	105					26	53			26	53	53	102
2.50	46	92	92	105	35	69	92	105					26	53			26	53	53	102
2.40	46	92	92	105	35	69	92	105					26	53			26	53	53	102
2.30	46	92	92	105	35	69	92	105					26	53			26	53	53	102
2.20	46	92	92	105	35	69	92	105					26	53			26	53	53	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 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	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	60		27	36	52					23	32			23	32	32	46
3.30	34	45	65	65		29	38	55					25	34			25	34	34	49
3.20	36	48	69	69		31	41	59					27	36			27	36	36	52
3.10	38	50	72	72		33	43	62					29	38			29	38	38	55
3.00	41	54	79	79		35	47	67					31	41			31	41	41	60
2.90	21	45	59	86		38	50	73					34	45			34	45	45	65
2.80	23	49	64	93		42	55	79					37	49			37	49	49	70
2.70	26	53	69	101	21	45	59	86					40	53			40	53	53	76
2.60	28	56	74	105	23	48	63	92					20	43			20	43	56	82
2.50	29	59	78	105	24	50	66	96					21	45			21	45	59	86
2.40	31	62	82	105	26	53	70	102					23	48			23	48	62	91
2.30	33	66	88	105	26	53	70	102					25	51			25	51	67	97
2.20	35	69	92	105	26	53	70	102					26	53			26	53	70	102

Table 106.2

For key see page MD73

# 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
4.40	40	80	92	105	40	52
4.30	42	85	92	105	42	55
4.20	44	89	92	105	21	44
4.10	46	92	92	105	22	46
4.00	47	92	92	105	23	49
3.90	47	92	92	105	25	52
3.80	47	92	92	105	27	56
3.70	47	92	92	105	30	59
3.60	47	92	92	105	32	63
3.50	47	92	92	105	34	68
3.40	47	92	92	105	36	72
3.30	47	92	92	105	37	75
3.20	47	92	92	105	39	78
3.10	47	92	92	105	41	81
3.00	47	92	92	105	42	85
2.90	47	92	92	105	42	85
2.80	47	92	92	105	42	85
2.74*	47	92	92	105	42	85

Table 107.1

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

PB = primary beam  
 \* Slab thickness < 20 cm  
 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 160	PB spacing 80	PB spacing 60	PB spacing 40	PB length 160	PB spacing 80
4.40	30	39	56		22	30
4.30	31	42	60		23	32
4.20	33	44	63		25	34
4.10	35	46	65		26	35
4.00	37	48	69		28	37
3.90	39	52	74		30	40
3.80	42	55	80		32	42
3.70	21	45	59	85	34	45
3.60	23	48	63	92	37	48
3.50	25	51	67	98	39	52
3.40	27	54	71	104	42	55
3.30	28	56	74	105	20	43
3.20	29	58	77	105	21	45
3.10	30	61	81	105	22	47
3.00	32	64	84	105	24	49
2.90	32	64	84	105	24	49
2.80	32	64	84	105	24	49
2.74*	32	64	84	105	24	49
					64	64
					94	94

Table 108.1

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

PB = primary beam

\* Slab thickness < 20 cm  
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 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	35	50
4.30	28	56	74	105	22*	40	53	76	26	35	35	50
4.20	30	59	78	105	23*	40	53	76	26	35	35	51
4.10	31	62	81	105	25*	40	53	77	26	35	35	51
4.00	33	65	87	105	26*	40	53	77	26	35	35	51
3.90	34	68	91	105	29*	40	53	77	26	35	35	51
3.80	34	68	91	105	30*	40	53	77	26	35	35	51
3.70	34	68	91	105	30*	40	53	77	26	35	35	51
3.60	34	68	91	105	30*	40	53	77	26	35	35	51
3.50	34	68	91	105	30*	40	53	77	26	35	35	51
3.40	34	68	91	105	30*	40	53	77	26	35	35	51
3.30	34	68	91	105	30*	40	53	77	26	35	35	51
3.20	34	68	91	105	30*	40	53	77	26	35	35	51
3.10	35	69	92	105	30*	41	54	77	26	35	35	51
3.00	35	70	92	105	30*	41	54	78	27	36	36	51
2.90	35	70	92	105	30*	41	54	78	27	36	36	51
2.80	35	70	92	105	31*	42	55	79	27	36	36	52
2.74*	35	70	92	105	31*	42	55	79	27	36	36	52

Table 109.1

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, 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 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:

PB = primary beam  
 Slab thickness < 20 cm

\* 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 160 / 160
	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	
5.90	43	86	92	105	20	42	56
5.80	45	90	92	105	21	45	59
5.70	46	91	92	105	22	46	61
5.60	47	92	92	105	23	47	62
5.50	47	92	92	105	24	50	66
5.40	47	92	92	105	26	53	69
5.30	47	92	92	105	27	56	73
5.20	47	92	92	105	29	59	77
5.10	47	92	92	105	31	62	82
5.00	47	92	92	105	33	65	86
4.90	47	92	92	105	34	69	91
4.80	47	92	92	105	37	73	92
4.70	47	92	92	105	39	77	92
4.60	47	92	92	105	41	82	92
4.50	47	92	92	105	44	88	92
4.40	47	92	92	105	46	92	92
4.30	47	92	92	105	46	92	92
4.20	47	92	92	105	46	92	92
4.10	47	92	92	105	46	92	92
4.00	47	92	92	105	46	92	92
3.90	47	92	92	105	46	92	92
3.80	47	92	92	105	46	92	92
3.70	47	92	92	105	46	92	92
3.60	47	92	92	105	46	92	92
3.50	47	92	92	105	46	92	92
3.44*	47	92	92	105	46	92	92

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

PB = primary beam  
 \* Slab thickness < 20 cm  
 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

Table 111.1

# 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
5.90	32	42	60		24	32
5.80	33	44	63		25	34
5.70	35	46	65		26	35
5.60	36	47	67		27	36
5.50	38	50	71		29	38
5.40	40	52	76		30	40
5.30	42	55	80		32	42
5.20	21	44	58	84	34	45
5.10	22	47	61	89	36	47
5.00	24	49	64	94	38	50
4.90	25	52	68	100	40	52
4.80	27	55	72	105	20	42
4.70	29	58	77	105	21	45
4.60	31	62	82	105	23	48
4.50	33	65	87	105	24	50
4.40	35	69	92	105	26	53
4.30	35	69	92	105	26	53
4.20	35	69	92	105	26	53
4.10	35	69	92	105	26	53
4.00	35	69	92	105	26	53
3.90	35	69	92	105	26	53
3.80	35	69	92	105	26	53
3.70	35	69	92	105	26	53
3.60	35	69	92	105	26	53
3.50	35	69	92	105	26	53
3.44*	35	69	92	105	26	53

Table 112.1

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

PB = Slab thickness &lt; 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 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	28	41
5.80	28	56	74	105	20*	33	43	62	20	28	28	41
5.70	28	56	74	105	20*	33	43	62	20	28	28	41
5.60	28	56	74	105	20*	33	43	62	20	28	28	41
5.50	28	56	74	105	20*	33	43	62	20	28	28	41
5.40	28	56	74	105	20*	33	43	62	20	28	28	41
5.30	28	56	74	105	20*	33	43	62	20	28	28	41
5.20	28	57	75	105	20*	33	44	63	21	29	29	42
5.10	28	57	75	105	20*	33	44	63	21	29	29	42
5.00	28	57	75	105	20*	33	44	63	21	29	29	42
4.90	28	57	75	105	20*	33	44	63	21	29	29	42
4.80	28	57	76	105	20*	34	44	64	21	29	29	42
4.70	28	57	76	105	20*	34	44	64	21	29	29	42
4.60	28	57	76	105	20*	34	44	64	21	29	29	42
4.50	29	58	76	105	20*	34	45	64	21	29	29	43
4.40	29	58	76	105	20*	34	45	64	21	29	29	43
4.30	29	58	76	105	20*	34	45	64	21	29	29	43
4.20	29	58	76	105	21*	34	45	64	21	29	29	43
4.10	29	59	77	105	21*	34	45	65	21	30	30	43
4.00	29	59	77	105	21*	34	45	65	21	30	30	43
3.90	29	59	77	105	21*	34	45	65	21	30	30	43
3.80	29	59	77	105	21*	34	45	65	21	30	30	43
3.70	29	59	78	105	21*	35	46	66	22	30	30	44
3.60	29	59	78	105	21*	35	46	66	22	30	30	44
3.50	29	59	78	105	21*	35	46	66	22	30	30	44
3.44*	29	59	78	105	21*	35	46	66	22	30	30	44

Table 113.1

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

PB = Slab thickness &lt; 20 cm

\* 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 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
5.80	38	50	72	33	43	62	29	38
5.70	40	52	75	34	45	64	30	40
5.60	41	54	77	35	46	66	31	41
5.50	20	43	57	37	48	69	33	43
5.40	21	46	60	39	51	74	35	46
5.30	23	48	63	91	40	52	36	48
5.20	24	51	66	97	20*	40	53	38
5.10	26	53	70	102	21*	40	53	41
5.00	28	56	74	105	23*	40	53	20
4.90	29	59	78	105	25*	40	53	21
4.80	31	63	83	105	26*	41	53	23
4.70	33	66	88	105	26*	41	53	25
4.60	35	69	92	105	26*	41	53	27
4.50	35	69	92	105	26*	41	54	28
4.40	35	69	92	105	26*	41	54	28
4.30	35	69	92	105	26*	41	54	26
4.20	35	69	92	105	26*	41	54	26
4.10	35	69	92	105	26*	41	54	26
1.00	35	69	92	105	26*	41	54	26
3.90	35	69	92	105	26*	41	54	26
3.80	35	69	92	105	26*	41	54	26
3.70	35	69	92	105	26*	42	55	26
3.60	35	69	92	105	26*	42	55	26
3.50	35	69	92	105	26*	42	55	26
3.44*	35	69	92	105	26*	42	55	26

Table 114.1

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

PB = Slab thickness < 20 cm

\* 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
2.90	47	92	92	105	46	92
2.80	47	92	92	105	46	92
2.70	47	92	92	105	46	92
2.60	47	92	92	105	46	92
2.50	47	92	92	105	46	92
2.40	47	92	92	105	46	92
2.30	47	92	92	105	46	92
2.20	47	92	92	105	46	92
2.10	47	92	92	105	46	92
2.00	47	92	92	105	46	92
1.94	47	92	92	105	46	92

Table 115.1

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

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 / 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
2.80	46	92	92	105	32	64	85	105	20	43	56
2.70	46	92	92	105	32	64	85	105	20	43	56
2.60	46	92	92	105	32	64	85	105	20	43	56
2.50	46	92	92	105	32	65	86	105	20	43	56
2.40	46	92	92	105	32	65	86	105	20	43	56
2.30	46	92	92	105	33	66	87	105	20	44	57
2.20	46	92	92	105	33	66	88	105	20	44	57
2.10	46	92	92	105	33	67	89	105	21	44	58
2.00	46	92	92	105	34	67	89	105	21	45	58
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 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
2.80	35	69	92	105	26	53	70	102	26	53	70
2.70	35	69	92	105	26	53	70	102	26	53	70
2.60	35	69	92	105	26	53	70	102	26	53	70
2.50	35	69	92	105	26	53	70	102	26	53	70
2.40	35	69	92	105	26	53	70	102	26	53	70
2.30	35	69	92	105	26	53	70	102	26	53	70
2.20	35	69	92	105	26	53	70	102	26	53	70
2.10	35	69	92	105	26	53	70	102	26	53	70
2.00	35	69	92	105	26	53	70	102	26	53	70
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 &lt; 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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80
2.90	47	92	92	105	26	54
2.80	47	92	92	105	29	59
2.70	47	92	92	105	32	64
2.60	47	92	92	105	37	73
2.50	47	92	92	105	40	81
2.40	47	92	92	105	43	86
2.30	47	92	92	105	45	90
2.20	47	92	92	105	46	92
2.10	47	92	92	105	46	92
2.00	47	92	92	105	46	92
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 210 / 210	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 40
2.90	41	54	77		31	41
2.80	21	45	58	85	34	45
2.70	23	48	63	92	37	49
2.60	27	55	73	105	20	43
2.50	30	60	80	105	22	47
2.40	32	65	86	105	24	50
2.30	34	67	90	105	25	52
2.20	35	69	92	105	26	53
2.10	35	69	92	105	26	53
2.00	35	69	92	105	26	53
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 spacing 80			PB spacing 60			PB spacing 40
2.90	36	72	92	105	30	60	79	105	24	49
2.80	40	79	92	105	33	65	86	105	26	53
2.70	43	86	92	105	35	69	92	105	26	53
2.60	46	92	92	105	35	69	92	105	26	53
2.50	46	92	92	105	35	69	92	105	26	53
2.40	46	92	92	105	35	69	92	105	26	53
2.30	46	92	92	105	35	69	92	105	26	53
2.20	46	92	92	105	35	69	92	105	26	53
2.10	46	92	92	105	35	69	92	105	26	53
2.00	46	92	92	105	35	69	92	105	26	53
1.94	46	92	92	105	35	69	92	105	26	53

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 length 80 / 270
2.90	22	47	67	89	40	52	75	35	47	67
2.80	25	51	66	97	20	43	57	39	51	73
2.70	27	55	72	105	22	47	62	90	42	55
2.60	31	63	84	105	26	53	70	102	23	48
2.50	35	69	92	105	26	53	70	102	26	53
2.40	35	69	92	105	26	53	70	102	26	53
2.30	35	69	92	105	26	53	70	102	26	53
2.20	35	69	92	105	26	53	70	102	26	53
2.10	35	69	92	105	26	53	70	102	26	53
2.00	35	69	92	105	26	53	70	102	26	53
1.94	35	69	92	105	26	53	70	102	26	53

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

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

Table 119.1

Slab height (m)	EuMax 30/350 + ME 350/30 / Plugged-in MevaDec-e drop head*						PB length 270 / 270
	PB length 210 / 210	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	
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
3.40	31	62	82	105	23	48	63
3.30	34	67	89	105	25	52	68
3.20	35	69	92	105	26	53	70
3.10	35	69	92	105	26	53	70
3.00	35	69	92	105	26	53	70
2.90	35	69	92	105	26	53	70
2.80	35	69	92	105	26	53	70
2.70	35	69	92	105	26	53	70
2.60	35	69	92	105	26	53	70
2.50	35	69	92	105	26	53	70
2.44	35	69	92	105	26	53	70

Key for load charts for the drop-head-beam-panel method:  
 Slab thickness < 20 cm  
 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

Table 119.2

# EuMax 30/350 + ME 350/30 – Asymmetrical loading

## Slab thickness in cm, plugged-in MevaDec-e drop head

Slab height (m)	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	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	80	42	55	55	55	80	
3.80	43	87	92	105	32	63	84	105	42	55	80	80	42	55	55	55	80	
3.70	45	90	92	105	32	64	85	105	42	55	80	80	42	55	55	55	80	
3.60	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.50	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.40	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.30	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.20	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.10	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
3.00	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
2.90	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
2.80	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
2.70	46	92	92	105	32	64	85	105	20	42	55	80	42	55	55	55	80	
2.60	46	92	92	105	33	65	86	105	20	43	56	82	43	56	56	56	82	
2.50	46	92	92	105	33	65	87	105	20	43	57	82	43	57	57	57	82	
2.44	46	92	92	105	33	66	88	105	20	44	57	83	44	57	57	57	83	

Table 120.1

Slab height (m)	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	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	74	42	55	55	55	80	
3.80	27	55	72	105	22	47	62	90	44	58	84	84	42	55	55	55	80	
3.70	29	58	76	105	24	50	65	95	22	46	60	60	24	50	50	50	65	
3.60	30	60	80	105	25	52	68	99	102	24	53	70	102	26	53	53	70	
3.50	33	65	87	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
3.40	35	69	92	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
3.30	35	69	92	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
3.20	35	69	92	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
3.10	35	69	92	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
3.00	35	69	92	105	26	53	70	102	102	26	53	70	102	26	53	53	70	
2.90	35	69	92	105	26	53	70	102	26	53	70	102	26	53	53	70	102	
2.80	35	69	92	105	26	53	70	102	26	53	70	102	26	53	53	70	102	
2.70	35	69	92	105	26	53	70	102	26	53	70	102	26	53	53	70	102	
2.60	35	69	92	105	26	53	70	102	26	53	70	102	26	53	53	70	102	
2.50	35	69	92	105	26	53	70	102	26	53	70	102	26	53	53	70	102	
2.44	35	69	92	105	26	53	70	102	26	53	70	102	26	53	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 spacing 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB spacing 60	PB length 160 / 160	PB spacing 40
4.90	47	92	92	105	31	62	81	81	105	105
4.80	47	92	92	105	33	65	87	87	105	105
4.70	47	92	92	105	34	68	90	90	105	105
4.60	47	92	92	105	35	71	92	92	105	105
4.50	47	92	92	105	38	76	92	92	105	105
4.40	47	92	92	105	40	81	92	92	105	105
4.30	47	92	92	105	43	87	92	92	105	105
4.20	47	92	92	105	46	92	92	92	105	105
4.10	47	92	92	105	46	92	92	92	105	105
4.00	47	92	92	105	46	92	92	92	105	105
3.90	47	92	92	105	46	92	92	92	105	105
3.80	47	92	92	105	46	92	92	92	105	105
3.70	47	92	92	105	46	92	92	92	105	105
3.60	47	92	92	105	46	92	92	92	105	105
3.50	47	92	92	105	46	92	92	92	105	105
3.40	47	92	92	105	46	92	92	92	105	105
3.30	47	92	92	105	46	92	92	92	105	105
3.20	47	92	92	105	46	92	92	92	105	105
3.10	47	92	92	105	46	92	92	92	105	105
3.00	47	92	92	105	46	92	92	92	105	105
2.94*	47	92	92	105	46	92	92	92	105	105

Table 121.1

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

PB = primary beam  
 \* Slab thickness < 20 cm  
 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 160	PB spacing 80	PB spacing 60	PB spacing 40	PB spacing 160	PB spacing 80	PB spacing 60	PB length 270 / 270	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:

PB = primary beam  
 \* Slab thickness < 20 cm

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

Table 123.1

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

PB = Slab thickness &lt; 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 spacing 80			PB spacing 60			PB length 160 / 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
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
4.70	29	59	77	105	24*	40	53	76	21	45	59
4.60	30	61	80	105	25*	40	53	76	22	47	61
4.50	33	65	86	105	25*	41	53	77	24	50	65
4.40	35	69	92	105	25*	41	53	77	26	53	69
4.30	35	69	92	105	25*	41	53	77	26	53	70
4.20	35	69	92	105	26*	41	54	78	26	53	70
4.10	35	69	92	105	26*	41	54	78	26	53	70
4.00	35	69	92	105	26*	41	54	78	26	53	70
3.90	35	69	92	105	26*	41	54	78	26	53	70
3.80	35	69	92	105	26*	41	54	79	26	53	70
3.70	35	69	92	105	26*	41	54	79	26	53	70
3.60	35	69	92	105	26*	41	54	79	26	53	70
3.50	35	69	92	105	26*	42	55	80	26	53	70
3.40	35	69	92	105	26*	42	55	80	26	53	70
3.30	35	69	92	105	26*	42	55	80	26	53	70
3.20	35	69	92	105	26*	42	55	80	26	53	70
3.10	35	69	92	105	26*	42	56	80	26	53	70
3.00	35	69	92	105	26*	42	56	80	26	53	70
2.94*	35	69	92	105	26*	42	56	80	26	53	70

Table 124.1

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

PB = Slab thickness &lt; 20 cm

\* 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

	EuMax 20/400 + MD 400/20 with MD prop head		Perm. compressive force in kN  Inner tube at top	Perm. compressive force in kN  Inner tube at bottom
	Slab height (m)	EuMax 20/550 with MD prop head		
3.20	18.06	19.20	4.20	19.09
3.10	19.15	21.40	4.10	20.12
3.00	20.60	23.60	4.00	21.20
2.90	22.10	25.80	3.90	22.40
2.80	23.80	27.90	3.80	23.80
2.70	25.60	30.30	3.70	25.30
2.60	27.60	32.70	3.60	26.80
2.50	29.30	34.20	3.50	28.50
2.40	30.50	35.80	3.40	30.30
2.30	32.20	37.30	3.30	32.00
2.20	34.20	38.50	3.20	33.00
2.10	36.80	39.40	3.10	34.20
2.00	39.80	39.80	3.00	35.60

Table 125.3

	EuMax 20/300 + MD 300/20 with MD prop head		Perm. compressive force in kN  Inner tube at top	Perm. compressive force in kN  Inner tube at bottom
	Slab height (m)	EuMax 20/400 with MD prop head		
3.20	18.06	19.20	4.20	19.09
3.10	19.15	21.40	4.10	20.12
3.00	20.60	23.60	4.00	21.20
2.90	22.10	25.80	3.90	22.40
2.80	23.80	27.90	3.80	23.80
2.70	25.60	30.30	3.70	25.30
2.60	27.60	32.70	3.60	26.80
2.50	29.30	34.20	3.50	28.50
2.40	30.50	35.80	3.40	30.30
2.30	32.20	37.30	3.30	32.00
2.20	34.20	38.50	3.20	33.00
2.10	36.80	39.40	3.10	34.20
2.00	39.80	39.80	3.00	35.60

Table 125.2

	EuMax 20/300 + MD 300/20 with MD prop head		Perm. compressive force in kN  Inner tube at top	Perm. compressive force in kN  Inner tube at bottom
	Slab height (m)	EuMax 20/400 with MD prop head		
3.20	18.06	19.20	4.20	19.09
3.10	19.15	21.40	4.10	20.12
3.00	20.60	23.60	4.00	21.20
2.90	22.10	25.80	3.90	22.40
2.80	23.80	27.90	3.80	23.80
2.70	25.60	30.30	3.70	25.30
2.60	27.60	32.70	3.60	26.80
2.50	29.30	34.20	3.50	28.50
2.40	30.50	35.80	3.40	30.30
2.30	32.20	37.30	3.30	32.00
2.20	34.20	38.50	3.20	33.00
2.10	36.80	39.40	3.10	34.20
2.00	39.80	39.80	3.00	35.60

Table 125.1

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 30/450 with MD prop head		EuMax 30/450 with MD prop head	
	Perm. compressive force in kN		Perm. compressive force in kN	
	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top
2.70	47.00	25.91	37.27	3.70
2.60	47.00	27.73	41.39	3.60
2.50	47.00	29.61	45.15	3.50
2.40	47.00	31.42	46.18	3.40
2.30	47.00	32.06	46.18	3.30
2.20	47.00	32.55	46.18	3.20
2.10	47.00	32.91	46.18	3.10
2.00	47.00	33.48	46.18	3.00
1.90	47.00	34.52	46.18	2.90
1.80	47.00	37.27	46.18	2.80
1.74	47.00	41.21	46.18	2.70
				2.60
				47.00
				3.60
				41.30
				2.50
				47.00
				3.50
				41.30
				2.40
				47.00
				3.40
				41.30
				2.30
				47.00
				3.30
				41.30
				2.24
				47.00
				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

Slab height (m)	ME 250/30 with MD prop head		EuMax 30/350 + ME 350/30 with MD prop head	
	Perm. compressive force in kN		Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
2.70	47.00	25.91	37.27	3.70
2.60	47.00	27.73	41.39	3.60
2.50	47.00	29.61	45.15	3.50
2.40	47.00	31.42	46.18	3.40
2.30	47.00	32.06	46.18	3.30
2.20	47.00	32.55	46.18	3.20
2.10	47.00	32.91	46.18	3.10
2.00	47.00	33.48	46.18	3.00
1.90	47.00	34.52	46.18	2.90
1.80	47.00	37.27	46.18	2.80
1.74	47.00	41.21	46.18	2.70
				2.60
				47.00
				3.60
				41.30
				2.50
				47.00
				3.50
				41.30
				2.40
				47.00
				3.40
				41.30
				2.30
				47.00
				3.30
				41.30
				2.24
				47.00
				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 126.3

Slab height (m)	EuMax 30/250 with MD prop head		EuMax 30/350 + ME 350/30 with MD prop head	
	Perm. compressive force in kN		Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
2.70	47.00	25.91	37.27	3.70
2.60	47.00	27.73	41.39	3.60
2.50	47.00	29.61	45.15	3.50
2.40	47.00	31.42	46.18	3.40
2.30	47.00	32.06	46.18	3.30
2.20	47.00	32.55	46.18	3.20
2.10	47.00	32.91	46.18	3.10
2.00	47.00	33.48	46.18	3.00
1.90	47.00	34.52	46.18	2.90
1.80	47.00	37.27	46.18	2.80
1.74	47.00	41.21	46.18	2.70
				2.60
				47.00
				3.60
				41.30
				2.50
				47.00
				3.50
				41.30
				2.40
				47.00
				3.40
				41.30
				2.30
				47.00
				3.30
				41.30
				2.24
				47.00
				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 126.2

Table 126.1

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

		EuMax 20/550 with MevaDec-e drop head	
		Perm. compressive force in kN	
Slab height (m)	Inner tube at top	Inner tube at bottom	Inner tube at top
		Inner tube at top	Inner tube at top
3.40	16.00	14.80	4.40
3.30	17.03	17.00	4.30
3.20	18.06	19.20	4.20
3.10	19.15	21.40	4.10
3.00	20.60	23.60	4.00
2.90	22.10	25.80	3.90
2.80	23.80	27.90	3.80
2.70	25.60	30.30	3.70
2.60	27.60	32.70	3.60
2.50	29.30	34.20	3.50
2.40	30.50	35.80	3.40
2.30	32.20	37.30	3.30
2.20	34.20	38.50	3.20

EuMax 20/300 + MD 300/20 with MevaDec-e drop head		EuMax 20/400 + MD 400/20 with MevaDec-e drop head	
		Perm. compressive force in kN	
Slab height (m)	Inner tube at top	Inner tube at bottom*	Inner tube at top
		Inner tube at top	Inner tube at top
3.40	16.00	14.80	4.40
3.30	17.03	17.00	4.30
3.20	18.06	19.20	4.20
3.10	19.15	21.40	4.10
3.00	20.60	23.60	4.00
2.90	22.10	25.80	3.90
2.80	23.80	27.90	3.80
2.70	25.60	30.30	3.70
2.60	27.60	32.70	3.60
2.50	29.30	34.20	3.50
2.40	30.50	35.80	3.40
2.30	32.20	37.30	3.30
2.20	34.20	38.50	3.20

Table 127.1

Table 127.2

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

# Slab Formwork

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

Slab height (m)	EuMax 30/450 with Meva-Dec-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
			Inner tube at top
			Inner tube at bottom*
			Inner tube at top
			Inner tube at bottom*

Table 128.4

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	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
			Inner tube at top
			Inner tube at bottom*
			Inner tube at top
			Inner tube at bottom*

Table 128.3

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
			Inner tube at top
			Inner tube at bottom*
			Inner tube at top
			Inner tube at bottom*

Table 128.2

Table 128.1

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 20/550	
	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
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

Table 129.3

Slab height (m)	EuMax 20/400 + MD 400/20	
	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 129.2

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

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 30/450	
	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	46.18
2.30	47.00	46.18
2.20	47.00	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 130.4

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
2.00	47.00	46.18
1.90	47.00	46.18
1.80	47.00	46.18
1.70	47.00	46.18
1.60	47.00	46.18
1.54	47.00	46.18

Table 130.3

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 130.2

Table 130.1

## 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)

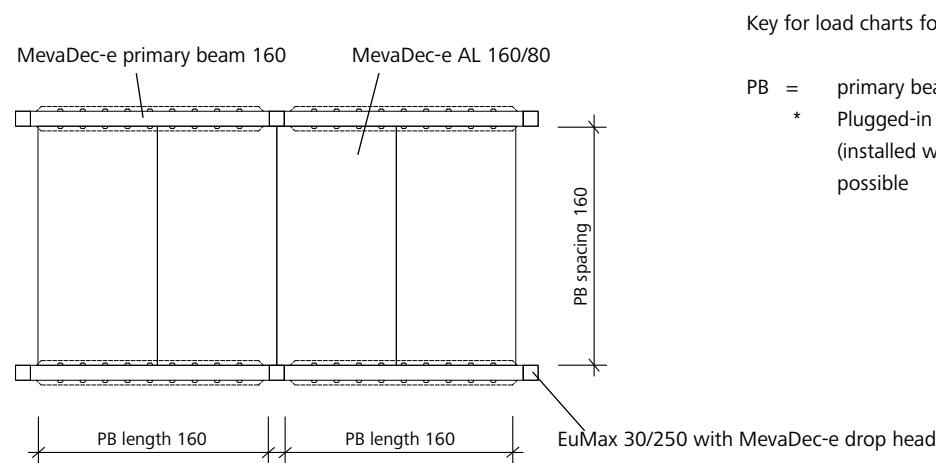
Selected: EuMax 30/250  
 Max. slab thickness for slab height 2.80 m = 46 cm > 0.45 m  
 Primary beam length 160/160  
 MevaDec-e panel 160/80 can be inserted with the short side in the primary beam (PB spacing 160)  
 Use with MevaDec-e drop head secured with four bolts, irrespective of the installation 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



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. 131.3

## 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	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	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

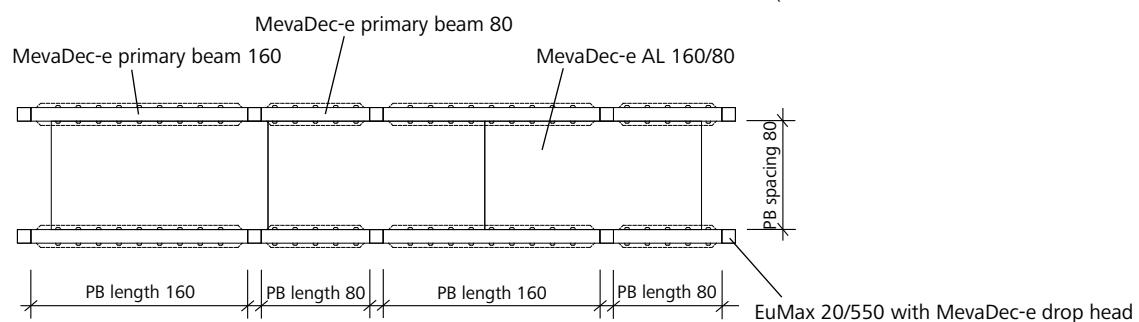


Fig. 132.3

## 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

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).

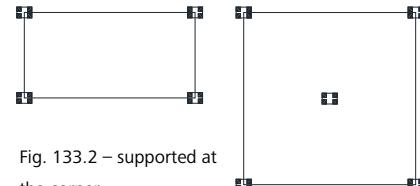


Fig. 133.2 – supported at the corner

Fig. 133.3 – 160/160 supported in the middle

Table 133.1

### Example application 1

Requirement: Slab thickness: **0.45 m**

Slab height: **4.60 m**

Panel selected: **160/80** (prop influence area **1.28 m<sup>2</sup>**):

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

Own weight of the formwork:

$$g_1 = 0.25 \text{ kN/m}^2$$

Fresh concrete: slab thickness **0.45 m** x 25 kN/m<sup>3</sup>

$$g_2 = 11.25 \text{ kN/m}^2$$

Equivalent load of personnel and machines:

$$g_3 = 0.75 \text{ kN/m}^2$$

Additional load due to concrete accumulation  $g_4$ :  $g_2 \times 0.10$

However,  $g_4 \leq 1.75 \text{ kN/m}^2$  and  $g_4 \geq 0.75 \text{ kN/m}^2$

$$11.25 \text{ kN/m}^2 \times 0.10 = 1.13 \text{ kN/m}^2$$

$$g_4 = 1.13 \text{ kN/m}^2$$

$$\sum g = 13.38 \text{ kN/m}^2$$

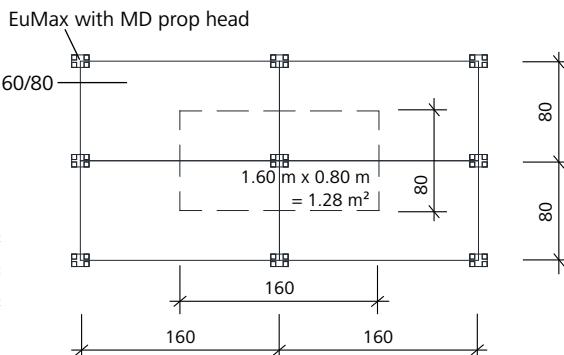


Fig. 133.4

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

$$13.38 \text{ kN/m}^2 \times 1.28 \text{ m}^2 = 17.13 \text{ kN}$$

- 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

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!

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
3.20	41.30
3.10	41.30
3.00	41.30
2.90	41.30
2.80	41.30
2.74	41.30

## 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 m<sup>2</sup>**):

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

Own weight of the formwork:

$$g_1 = 0.25 \text{ kN/m}^2$$

Fresh concrete: slab thickness **0.30 m** x 25 kN/m<sup>3</sup>

$$g_2 = 7.50 \text{ kN/m}^2$$

Equivalent load of personnel and machines:

$$g_3 = 0.75 \text{ kN/m}^2$$

Additional load due to concrete accumulation  $g_4$ :  $g_2 \times 0.10$

However,  $g_4 \leq 1.75 \text{ kN/m}^2$  and  $g_4 \geq 0.75 \text{ kN/m}^2$

$$7.50 \text{ kN/m}^2 \times 0.10 = 0.75 \text{ kN/m}^2$$

$$g_4 = 0.75 \text{ kN/m}^2$$

$$\sum g = 9.25 \text{ kN/m}^2$$

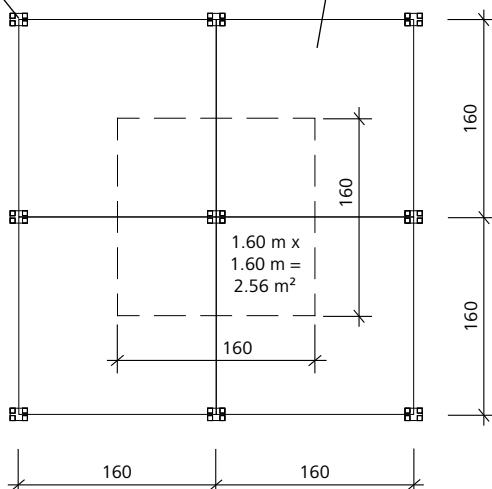
Dead load of slab x prop influence area = compressive force acting on prop:

$$9.25 \text{ kN/m}^2 \times 2.56 \text{ m}^2 = \mathbf{23.68 \text{ kN}}$$

EuMax or MD/ME prop with

MD prop head

MevaDec-e AL 160/160



— — 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	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

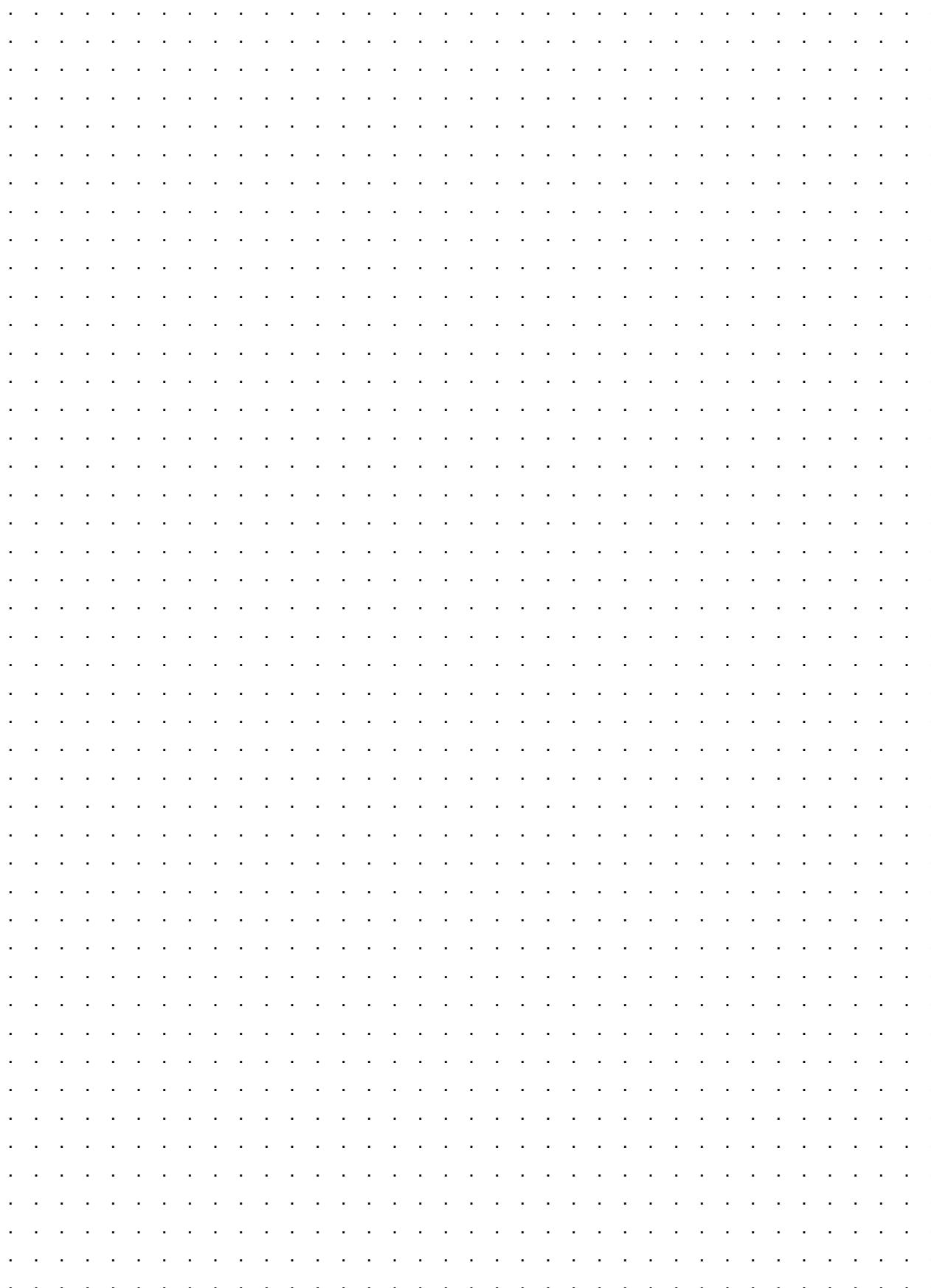
Prop selected:

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





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