



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.

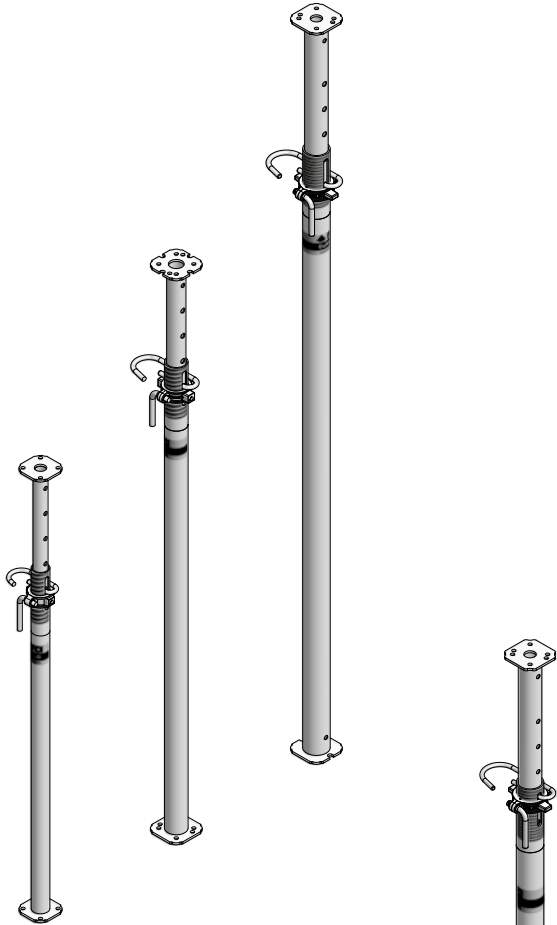


Fig. 71.1 EuMax 30 props

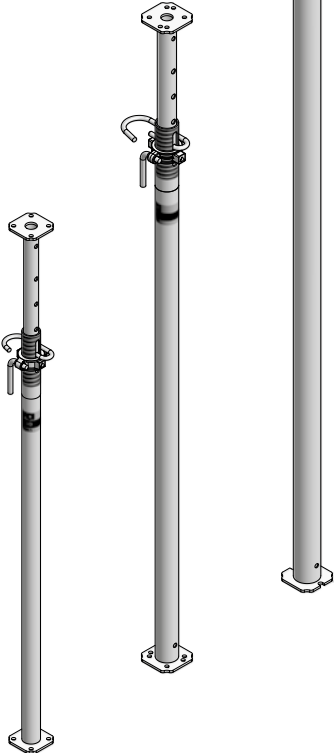


Fig. 71.2 EuMax 20 props

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

Slab Formwork

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 slab edge when using the drop-head-beam-panel method.

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

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

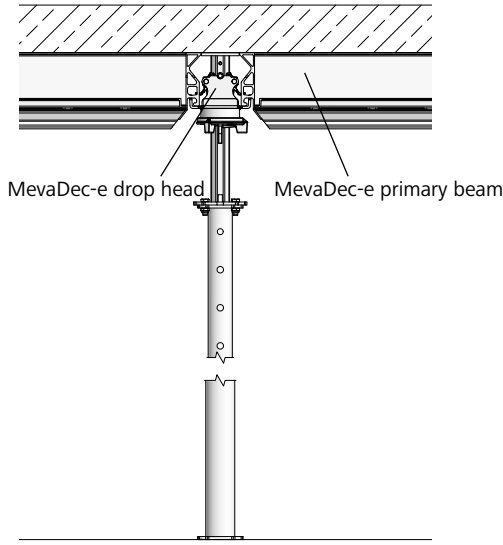


Fig. 72.1 Drop-head-beam-panel method in the field
Load case: symmetrical or asymmetrical loading

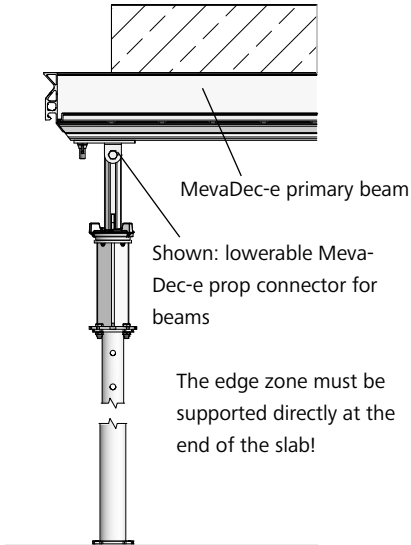


Fig. 72.2 Drop-head-beam-panel method at the slab edge
Load case: one-sided loading

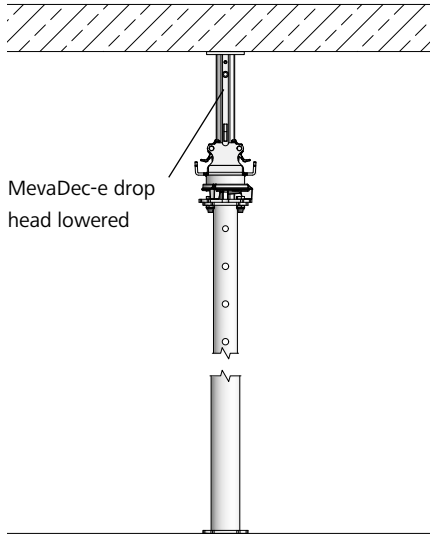


Fig. 72.3 Drop-head-beam-panel method
Load case: reshoring

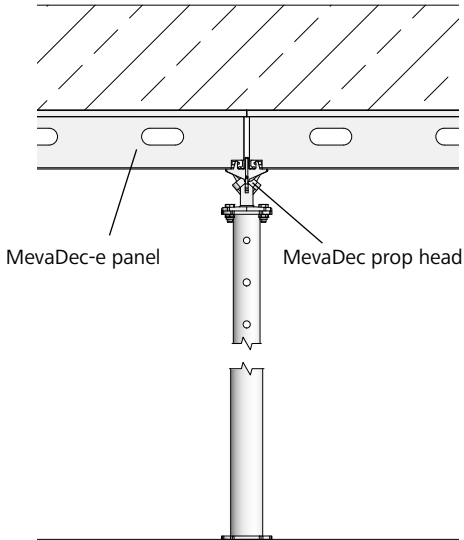


Fig. 72.4 Panel method
Load case: panel method

Load charts – Information

Drop-head-beam-panel method

The tables on pages MD-75 to -104 show the maximum slab thickness (cm) as a function of the slab height (m), primary beam length, primary beam spacing and orientation of the props, i.e. inner tube of the prop at the top or the bottom.

Reshoring / panel method / free-standing prop

The tables on pages MD-105 to -110 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 = 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) = 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) = 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) = clear room height

- 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.

Key for load charts:

-  MevaDec-e drop head / MD prop head attached using four screws
-  MevaDec-e drop head / MD prop head attached using four screws or inserted and secured with a pin
-  Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

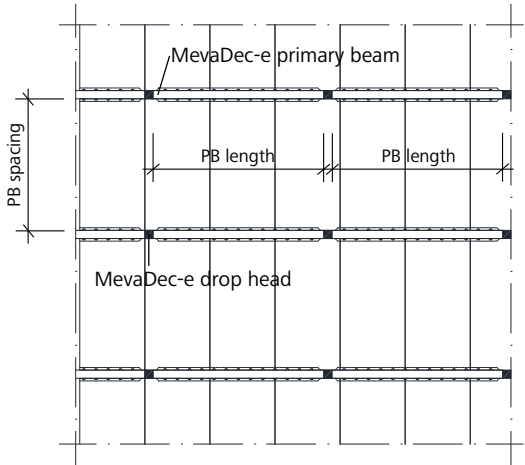


Fig. 73.1 Drop-head-beam-panel method in the field
Load case: symmetrical loading

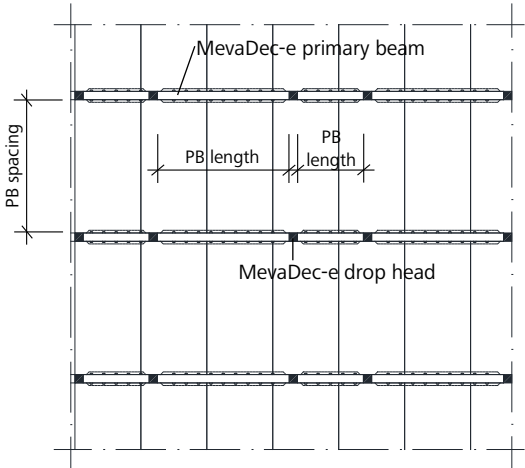


Fig. 73.2 Drop-head-beam-panel method in the field
Load case: asymmetrical loading

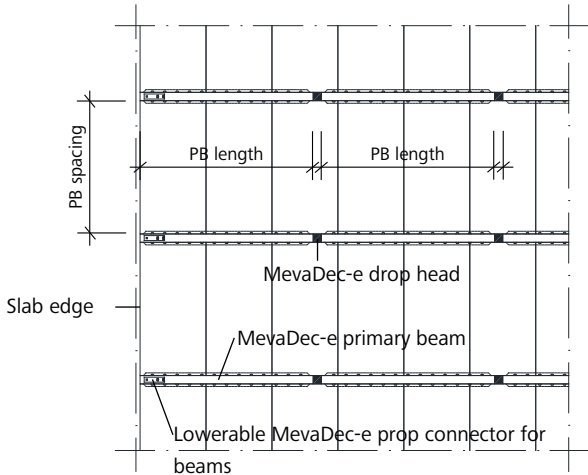


Fig. 73.3 Drop-head-beam-panel method at the slab edge
Load case: one-sided loading

Loading assumptions

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

Permanent loads

- Dead loads of the fresh concrete as per plan including reinforcement ($g_1 = 25 \text{ kN/m}^3 \times d$)
- Dead load of the formwork and scaffolding components ($g_2 = 0.30 \text{ kN/m}^2$).

Temporary loads

- Equivalent loads for work performed in the concrete surface area are to be treated as vertical loads.
- An equivalent load of at least 0.75 kN/m^2 for ongoing work must be taken into account. A higher load may be appropriate depending on the application.
- The additional load for the use of in-situ concrete is taken as 10% of the dead load of fresh concrete on a surface area of $3 \times 3 \text{ m}$. However, it must not be less than 0.75 kN/m^2 or greater than 1.75 kN/m^2 .
- A horizontal equivalent load for ongoing tasks is to be treated as 1/100 of the vertical load at the point of application of the vertical load.

The horizontal equivalent load must be transferred into the substructure or the ground.

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)

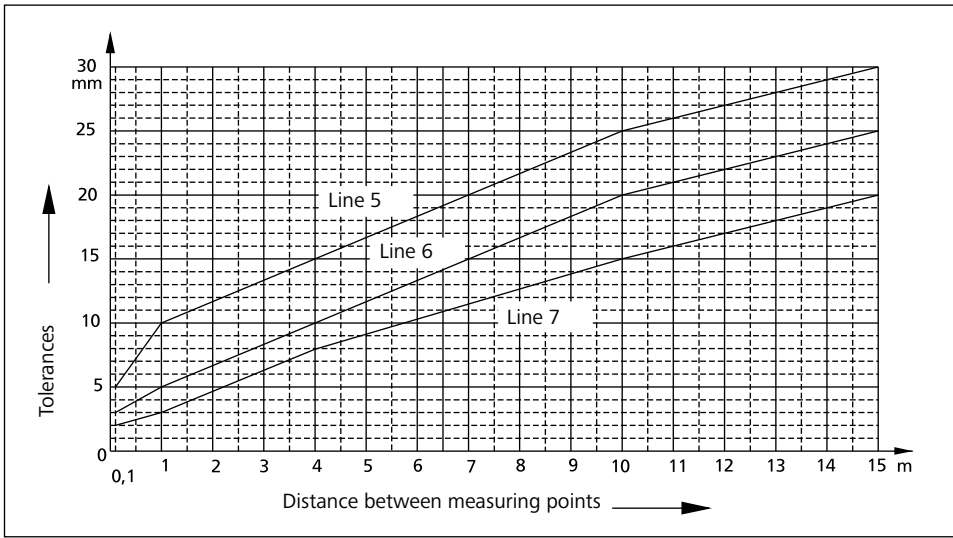


Fig. 74.2

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.

EuMax 20/300 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 20/300																	
	PB length 80 / 80						PB length 160 / 160						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			
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*		
3.40	37	37	74	74	92	92	105	105										
3.30	40	40	80	80	92	92	105	105										
3.20	43	43	85	85	92	92	105	105										
3.10	45	45	90	90	92	92	105	105	21	21								
3.00	47	47	92	92	92	92	105	105	23	23								
2.90	47	47	92	92	92	92	105	105	25	25								
2.80	47	47	92	92	92	92	105	105	28	28								
2.70	47	47	92	92	92	92	105	105	31	31								
2.60	47	47	92	92	92	92	105	105	33	33								
2.50	47	47	92	92	92	92	105	105	34	34								
2.40	47	47	92	92	92	92	105	105	36	36								
2.30	47	47	92	92	92	92	105	105	39	39								
2.20	47	47	92	92	92	92	105	105	42	42								

Table 75.1

Slab height (m)	EuMax 20/300																	
	PB length 210 / 210						PB length 270 / 270						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			
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*		
3.40			27	27	37	37	46	46										
3.30			30	30	39	39	50	50										
3.20			32	32	42	42	51	51										
3.10			33	33	44	44	51	51										
3.00			36	36	48	48	56	56										
2.90			39	39	52	52	61	61										
2.80	20	20	43	43	56	56	67	67										
2.70	22	22	46	46	61	61	73	73										
2.60	24	24	49	49	65	65	77	77										
2.50	25	25	52	52	68	68	81	81										
2.40	27	27	55	55	72	72	85	85										
2.30	29	29	58	58	77	77	88	88										
2.20	32	32	63	63	84	84	90	90										

Table 75.2

For key see page MD-73

EuMax 20/400 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 20/400																							
	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		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
4.40	40	47	80	92	92	92	105	105	105	18	25	40	51	52	67	75	80	80	80	80	80	80	80	80
4.30	42	47	85	92	92	92	105	105	105	19	27	42	55	55	72	80	80	80	80	80	80	80	80	80
4.20	44	47	89	92	92	92	105	105	105	21	27	44	55	58	72	84	84	84	84	84	84	84	84	84
4.10	46	47	92	92	92	92	105	105	105	22	27	46	55	60	72	88	88	88	88	88	88	88	88	88
4.00	47	47	92	92	92	92	105	105	105	23	30	49	59	64	78	93	93	93	93	93	93	93	93	93
3.90	47	47	92	92	92	92	105	105	105	25	32	52	64	68	85	100	100	100	100	100	100	100	100	100
3.80	47	47	92	92	92	92	105	105	105	57	35	56	70	73	92	105	105	105	105	105	105	105	105	105
3.70	47	47	92	92	92	92	105	105	105	30	38	59	76	78	92	105	105	105	105	105	105	105	105	105
3.60	47	47	92	92	92	92	105	105	105	32	41	63	83	84	92	105	105	105	105	105	105	105	105	105
3.50	47	47	92	92	92	92	105	105	105	34	42	68	85	90	92	105	105	105	105	105	105	105	105	105
3.40	47	47	92	92	92	92	105	105	105	36	42	72	85	92	92	105	105	105	105	105	105	105	105	105
3.30	47	47	92	92	92	92	105	105	105	37	42	75	85	92	92	105	105	105	105	105	105	105	105	105
3.20	47	47	92	92	92	92	105	105	105	39	42	78	85	92	92	105	105	105	105	105	105	105	105	105
3.10	47	47	92	92	92	92	105	105	105	41	42	81	85	92	92	105	105	105	105	105	105	105	105	105
3.00	47	47	92	92	92	92	105	105	105	42	42	85	85	92	92	105	105	105	105	105	105	105	105	105
2.90	47	47	92	92	92	92	105	105	105	42	42	85	85	92	92	105	105	105	105	105	105	105	105	105
2.80	47	47	92	92	92	92	105	105	105	42	42	85	85	92	92	105	105	105	105	105	105	105	105	105
2.74	47	47	92	92	92	92	105	105	105	42	42	85	85	92	92	105	105	105	105	105	105	105	105	105

Table 76.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/400 – Symmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/400																
	PB length 210 / 210						PB length 270 / 270										
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	
4.40			30	38	39	51	56	73				22	29	30	39	43	56
4.30			31	41	42	54	60	79				23	32	32	42	46	60
4.20			33	41	44	54	63	79				25	32	34	42	48	60
4.10			35	41	46	54	65	79				26	32	35	42	50	60
4.00		21	37	45	48	59	69	85				28	34	37	45	54	65
3.90		23	19	49	52	64	74	93				30	37	40	49	57	70
3.80		26	42	53	55	69	80	101				32	40	42	53	61	77
3.70	21	28	45	57	59	75	85	105			21	34	44	45	58	65	84
3.60	23	31	48	62	63	82	92	105			23	37	48	48	63	69	92
3.50	25	32	51	64	67	84	98	105			24	39	49	52	64	74	94
3.40	27	32	54	64	71	84	104	105			24	42	49	55	64	79	94
3.30	28	32	56	64	74	84	105	105			20	43	49	57	64	82	94
3.20	29	32	58	64	77	84	105	105			21	45	49	59	64	86	94
3.10	30	32	61	64	81	84	105	105			22	47	49	62	64	90	94
3.00	32	32	64	64	84	84	105	105			24	49	49	64	64	94	94
2.90	32	32	64	64	84	84	105	105			24	49	49	64	64	94	94
2.80	32	32	64	64	84	84	105	105			24	49	49	64	64	94	94
2.74	32	32	64	64	84	84	105	105			24	49	49	64	64	94	94

Table 77.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 20/550																							
	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		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
5.90	43	47	86	92	92	92	105	105	20	24	25	42	49	56	64	81	94	94	94	94	94	94	94	94
5.80	45	47	90	92	92	92	105	105	21	25	26	45	52	59	68	85	99	99	99	99	99	99	99	99
5.70	46	47	91	92	92	92	105	105	22	26	26	46	53	61	69	88	100	100	100	100	100	100	100	100
5.60	47	47	92	92	92	92	105	105	23	26	26	47	53	62	69	91	100	100	100	100	100	100	100	100
5.50	47	47	92	92	92	92	105	105	24	27	27	50	56	66	73	96	105	105	105	105	105	105	105	105
5.40	47	47	92	92	92	92	105	105	26	29	29	53	59	69	78	101	105	105	105	105	105	105	105	105
5.30	47	47	92	92	92	92	105	105	27	31	31	56	62	73	83	105	105	105	105	105	105	105	105	105
5.20	47	47	92	92	92	92	105	105	29	33	33	59	66	77	88	105	105	105	105	105	105	105	105	105
5.10	47	47	92	92	92	92	105	105	31	35	35	62	70	82	92	105	105	105	105	105	105	105	105	105
5.00	47	47	92	92	92	92	105	105	33	37	37	65	75	86	92	105	105	105	105	105	105	105	105	105
4.90	47	47	92	92	92	92	105	105	34	40	40	69	80	91	92	105	105	105	105	105	105	105	105	105
4.80	47	47	92	92	92	92	105	105	37	43	43	73	85	92	92	105	105	105	105	105	105	105	105	105
4.70	47	47	92	92	92	92	105	105	39	45	45	77	92	92	92	105	105	105	105	105	105	105	105	105
4.60	47	47	92	92	92	92	105	105	41	46	46	82	92	92	92	105	105	105	105	105	105	105	105	105
4.50	47	47	92	92	92	92	105	105	44	46	46	88	92	92	92	105	105	105	105	105	105	105	105	105
4.40	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
4.30	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
4.20	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
4.10	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
4.00	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.90	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.80	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.70	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.60	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.50	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105
3.44	47	47	92	92	92	92	105	105	46	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105

Table 78.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB** = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 20/550															
	PB length 210 / 210						PB length 270 / 270									
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
5.90			32	37	42	49	60	70			24	28	32	37	47	54
5.80			33	39	44	51	63	74			25	30	34	39	49	57
5.70			35	40	46	52	65	75			26	30	35	40	51	57
5.60			36	40	47	52	67	75			27	30	36	40	52	57
5.50			38	42	50	55	71	80			29	32	38	42	55	61
5.40			40	45	52	59	76	85			30	34	40	45	58	65
5.30			42	47	55	62	80	90			32	36	42	48	61	68
5.20	21		44	50	58	65	84	96			34	38	45	50	64	72
5.10	22	26	47	53	61	69	89	102			36	41	47	54	68	77
5.00	24	28	49	56	64	74	94	105	20		38	43	50	57	71	82
4.90	25	30	52	60	68	79	100	105			40	46	52	60	76	88
4.80	27	32	55	64	72	85	105	105	20		42	49	56	65	80	94
4.70	29	34	58	68	77	91	105	105	21		45	53	59	69	85	101
4.60	31	35	62	69	82	92	105	105	23		48	53	62	70	91	102
4.50	33	35	65	69	87	92	105	105	24		50	53	66	70	96	102
4.40	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
4.30	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
4.20	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
4.10	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
4.00	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.90	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.80	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.70	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.60	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.50	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102
3.44	35	35	69	69	92	92	105	105	26		53	53	70	70	102	102

Table 79.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/250 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 30/250															
	PB length 80 / 80				PB length 160 / 160				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	
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*
2.90	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.80	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.70	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.60	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.50	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.40	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.30	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.20	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.10	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
2.00	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105
1.94	47	47	92	92	92	92	105	105	46	46	46	92	92	92	105	105

Table 80.1

Slab height (m)	EuMax 30/250															
	PB length 210 / 210				PB length 270 / 270				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	
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*
2.90	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.80	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.70	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.60	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.50	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.40	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.30	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.20	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.10	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
2.00	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102
1.94	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102

Table 80.2

For key see page MD-73

EuMax 30/350 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 30/350																			
	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					
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*				
3.90	47	47	92	92	92	92	105	105	30	30	59	59	78	91	105	105				
3.80	47	47	92	92	92	92	105	105	32	32	64	64	85	92	105	105				
3.70	47	47	92	92	92	92	105	105	34	34	67	67	89	92	105	105				
3.60	47	47	92	92	92	92	105	105	35	35	70	70	92	92	105	105				
3.50	47	47	92	92	92	92	105	105	38	38	76	76	92	92	105	105				
3.40	47	47	92	92	92	92	105	105	41	41	83	83	92	92	105	105				
3.30	47	47	92	92	92	92	105	105	45	45	90	90	92	92	105	105				
3.20	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105				
3.10	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
3.00	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.90	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.80	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.70	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.60	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.50	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				
2.44	47	47	92	92	92	92	105	105	46	46	46	46	92	92	105	105				

Table 81.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/350 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 30/350															
	PB length 210 / 210						PB length 270 / 270									
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*
3.90	21	21	45	45	59	67	86	99	99	34	34	45	52	65	75	75
3.80	23	23	48	48	63	74	92	105	105	37	37	49	57	70	82	82
3.70	25	25	51	51	66	75	97	105	105	39	39	51	57	74	83	83
3.60	26	26	53	53	69	75	101	105	105	41	41	53	57	77	83	83
3.50	28	28	57	57	75	82	105	105	21	21	44	58	63	84	91	91
3.40	31	31	62	62	82	90	105	105	23	23	48	63	68	91	100	100
3.30	34	34	67	67	89	92	105	105	25	25	52	68	70	99	102	102
3.20	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
3.10	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
3.00	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.90	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.80	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.70	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.60	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.50	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102
2.44	35	35	69	69	92	92	105	105	26	26	53	70	70	102	102	102

Table 82.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/450 – Symmetrical loading

Slab thickness in cm

Slab height (m)	EuMax 30/450																							
	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		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
4.90	47	47	92	92	92	92	105	105	31	36	62	71	81	92	105	105	105	105	105	105	105	105	105	
4.80	47	47	92	92	92	92	105	105	33	38	65	77	87	92	105	105	105	105	105	105	105	105	105	
4.70	47	47	92	92	92	92	105	105	34	39	68	78	90	92	105	105	105	105	105	105	105	105	105	
4.60	47	47	92	92	92	92	105	105	35	39	71	78	92	92	105	105	105	105	105	105	105	105	105	
4.50	47	47	92	92	92	92	105	105	38	42	76	84	92	92	105	105	105	105	105	105	105	105	105	
4.40	47	47	92	92	92	92	105	105	40	45	81	91	92	92	105	105	105	105	105	105	105	105	105	
4.30	47	47	92	92	92	92	105	105	43	46	87	92	92	92	105	105	105	105	105	105	105	105	105	
4.20	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
4.10	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
4.00	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.90	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.80	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.70	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.60	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.50	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.40	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.30	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.20	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.10	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
3.00	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	
2.94	47	47	92	92	92	92	105	105	46	46	92	92	92	92	105	105	105	105	105	105	105	105	105	

Table 83.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/300 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/300																							
	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	
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*
3.40	24	24	50	50	65	82	95	105	105	41	41	54	67	78	99	99	34	34	34	44	56	64	81	
3.30	26	26	53	53	70	90	102	105	21	44	44	58	73	84	105	105	36	36	36	48	61	68	88	
3.20	28	28	57	57	75	91	104	105	23	47	47	62	74	89	105	105	39	39	39	51	62	73	89	
3.10	30	30	60	60	79	92	105	105	24	49	49	65	75	94	105	105	41	41	41	53	62	77	90	
3.00	32	32	64	64	85	92	105	105	26	53	53	70	83	102	105	21	44	44	58	68	84	100	100	
2.90	35	35	70	70	92	92	105	105	29	58	58	76	91	105	105	23	48	48	62	70	91	102	102	
2.80	38	38	76	76	92	92	105	105	31	62	62	83	92	105	105	25	52	52	67	70	99	102	102	
2.70	41	41	83	83	92	92	105	105	34	68	68	90	92	105	105	26	53	53	70	70	102	102	102	
2.60	44	44	88	88	92	92	105	105	35	69	69	92	92	105	105	26	53	53	70	70	102	102	102	
2.50	46	46	92	92	92	92	105	105	35	69	69	92	92	105	105	26	53	53	70	70	102	102	102	
2.40	46	46	92	92	92	92	105	105	35	69	69	92	92	105	105	26	53	53	70	70	102	102	102	
2.30	46	46	92	92	92	92	105	105	35	69	69	92	92	105	105	26	53	53	70	70	102	102	102	
2.20	46	46	92	92	92	92	105	105	35	69	69	92	92	105	105	26	55	55	70	70	102	102	102	

Table 85.1

Slab height (3)	EuMax 20/300																							
	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	
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*
3.40	32	32	42	53	60	60	76	76	27	27	36	45	52	65	65	23	23	23	32	40	46	58	58	
3.30	34	34	45	57	65	83	83	29	29	38	49	55	70	70	25	25	25	34	44	49	62	62		
3.20	36	36	48	58	69	84	84	31	31	41	50	59	71	71	27	27	27	36	45	52	63	63		
3.10	38	38	50	58	72	85	85	33	33	43	50	62	72	72	29	29	29	38	45	55	64	64		
3.00	41	41	54	64	79	94	94	35	35	47	55	67	80	80	31	31	31	41	49	60	70	70		
2.90	45	45	59	70	86	102	102	38	38	50	60	73	87	87	34	34	34	45	53	65	77	77		
2.80	49	49	64	77	93	105	105	42	42	55	65	79	96	96	37	37	37	49	58	70	85	85		
2.70	53	53	69	84	101	105	105	45	45	59	70	86	102	102	40	40	40	53	63	76	93	93		
2.60	56	56	74	88	105	105	105	48	48	63	70	92	102	102	43	43	43	56	67	82	97	97		
2.50	59	59	78	92	105	105	105	50	50	66	70	96	102	102	45	45	45	59	70	86	102	102		
2.40	62	62	82	92	105	105	105	53	53	70	70	102	102	102	48	48	48	62	70	91	102	102		
2.30	66	66	88	92	105	105	105	53	53	70	70	102	102	102	51	51	51	67	70	97	102	102		
2.20	69	69	92	92	105	105	105	53	53	70	70	102	102	102	53	53	53	70	70	102	102	102		

Table 85.2

For key see page MD-73

EuMax 20/400 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/400																					
	PB length 80 / 160				PB length 80 / 210				PB length 80 / 270													
	PB spacing 160	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom									
4.40	26	34	53	68	81	102	105	20	28	44	56	57	74	83	105	22	36	47	47	61	68	89
4.30	28	37	56	74	74	105	105	22	30	47	61	61	80	89	105	24	38	50	50	66	72	96
4.20	30	37	59	74	78	105	105	24	30	49	61	64	80	93	105	24	40	50	53	66	76	96
4.10	31	37	62	74	81	105	105	25	30	51	61	67	80	97	105	24	42	50	55	66	80	96
4.00	33	40	65	80	87	105	105	26	33	54	65	71	87	104	105	21	45	53	58	70	85	102
3.90	35	43	70	87	92	105	105	29	35	58	69	76	92	105	105	23	48	53	62	70	91	102
3.80	37	46	75	92	92	105	105	31	35	62	69	81	92	105	105	25	51	53	67	70	97	102
3.70	40	46	80	92	92	105	105	33	35	65	69	87	92	105	105	26	53	53	70	70	102	102
3.60	43	46	86	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.50	46	46	86	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.40	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.30	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.20	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.10	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
3.00	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
2.90	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
2.80	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102
2.74	46	46	92	92	92	105	105	35	35	69	69	92	92	105	105	26	53	53	70	70	102	102

Table 86.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/400 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/400																		
	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				
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom			
4.40	21	34	44	45	58	64	84	29	38	38	49	55	71	25	33	34	44	49	63
4.30	23	36	47	48	62	68	90	31	40	41	53	58	77	27	36	36	47	52	68
4.20	23	38	47	50	62	72	90	33	40	43	53	61	77	29	36	38	47	55	68
4.10	23	40	47	52	62	75	90	34	40	44	53	64	77	30	36	40	47	57	68
4.00	25	42	51	55	67	80	98	36	44	47	57	68	83	32	39	42	51	61	74
3.90	21	27	45	55	59	73	86	23	38	47	50	62	73	20	34	42	45	55	80
3.80	23	30	48	60	63	79	92	25	41	54	67	78	99	22	37	46	48	60	87
3.70	25	33	51	65	67	87	98	26	44	53	57	70	83	24	39	50	51	65	95
3.60	27	35	55	69	72	92	105	22	47	53	61	70	89	26	42	53	55	70	102
3.50	29	35	58	69	77	92	105	24	50	53	65	70	96	26	45	53	58	70	102
3.40	31	35	62	69	82	92	105	26	53	53	69	70	102	26	47	53	62	70	102
3.30	32	35	64	69	85	92	105	26	53	53	70	70	102	24	49	53	64	70	102
3.20	33	35	66	69	88	92	105	26	53	53	70	70	102	25	51	53	67	70	102
3.10	35	35	69	69	92	92	105	26	53	53	70	70	102	26	53	53	69	70	102
3.00	35	35	69	69	92	92	105	26	53	53	70	70	102	26	53	53	70	70	102
2.90	35	35	69	69	92	92	105	26	53	53	70	70	102	26	53	53	70	70	102
2.80	35	35	69	69	92	92	105	26	53	53	70	70	102	26	53	53	70	70	102
2.74	35	35	69	69	92	92	105	26	53	53	70	70	102	26	53	53	70	70	102

Table 87.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/550																							
	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									
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom								
5.90	28	33	57	66	75	87	105	105	22	27	47	54	62	71	90	104	21	21	39	47	51	59	73	85
5.80	30	35	60	69	79	92	105	105	24	28	49	57	65	76	94	105	23	23	41	47	53	62	77	90
5.70	31	35	62	70	82	92	105	105	25	29	51	58	67	76	97	105	23	23	42	48	55	63	80	91
5.60	32	35	63	70	84	92	105	105	26	29	52	58	69	76	100	105	20	23	43	48	57	63	82	91
5.50	33	37	67	75	89	92	105	105	27	31	55	62	73	81	105	105	22	25	46	51	60	67	87	97
5.40	35	40	71	80	92	92	105	105	29	33	58	65	77	87	105	105	23	26	46	53	63	70	92	102
5.30	37	42	74	84	92	92	105	105	31	35	61	69	81	92	105	105	24	26	51	53	66	70	97	102
5.20	39	44	79	89	92	92	105	105	32	35	65	69	86	92	105	105	26	26	53	53	70	70	102	102
5.10	42	46	83	92	92	92	105	105	34	35	66	69	91	92	105	105	26	26	53	53	70	70	102	102
5.00	44	46	88	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.90	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.80	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.70	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.60	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.50	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.40	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.30	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.20	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.10	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
1.00	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.90	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.80	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.70	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.60	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.50	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.44	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102

Table 88.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 20/550																				
	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						
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom					
5.90	20	36	42	48	55	69	80	31	36	41	47	59	68		27	32	36	42	53	61	
5.80		21	38	45	50	59	72	33	38	43	50	62	72		29	34	38	45	55	64	
5.70		21	40	45	52	59	75	34	39	45	51	64	73		30	34	40	45	57	65	
5.60		21	41	45	54	59	77	35	39	46	51	66	73		31	34	41	45	59	65	
5.50	20	23	43	48	57	63	82	37	41	48	54	69	78		33	37	43	48	62	69	
5.40	21	25	46	51	60	67	87	39	44	51	57	74	83		35	39	46	51	65	73	
5.30	23	26	48	54	63	70	91	41	46	54	60	78	88		36	41	48	54	69	78	
5.20	24	28	51	57	66	75	97	43	49	57	64	82	93	20	38	43	51	57	73	83	
5.10	26	30	53	60	70	80	102	46	52	60	68	87	99	22	41	46	53	61	77	88	
5.00	28	32	56	64	74	85	105	48	53	63	70	92	102	20	23	43	49	56	64	81	94
4.90	29	34	59	68	78	91	105	51	53	66	70	97	102	21	25	45	52	59	68	86	100
4.80	31	35	63	69	83	92	105	53	53	70	70	102	102	23	26	48	53	63	70	92	102
4.70	33	35	66	69	88	92	105	53	53	70	70	102	102	25	26	51	53	66	70	97	102
4.60	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
4.50	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
4.40	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
4.30	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
4.20	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
4.10	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
1.00	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.90	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.80	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.70	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.60	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.50	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102
3.44	35	35	69	69	92	92	105	53	53	70	70	102	102	26	26	53	53	70	70	102	102

Table 89.1
Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/250 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 30/250																														
	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																
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*															
2.90	47	47	92	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.80	47	47	92	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.70	47	47	92	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.60	47	47	92	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.50	47	47	92	92	92	92	105	105	32	35	35	65	69	69	86	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.40	47	47	92	92	92	92	105	105	32	35	35	65	69	69	86	92	92	105	105	20	26	26	43	53	53	56	70	70	82	102	102
2.30	47	47	92	92	92	92	105	105	33	35	35	66	69	69	87	92	92	105	105	20	26	26	44	53	53	57	70	70	83	102	102
2.20	47	47	92	92	92	92	105	105	33	35	35	66	69	69	88	92	92	105	105	20	26	26	44	53	53	57	70	70	83	102	102
2.10	47	47	92	92	92	92	105	105	33	35	35	67	69	69	89	92	92	105	105	21	26	26	44	53	53	58	70	70	84	102	102
2.00	47	47	92	92	92	92	105	105	34	35	35	67	69	69	89	92	92	105	105	21	26	26	45	53	53	58	70	70	85	102	102
1.94	47	47	92	92	92	92	105	105	34	35	35	68	69	69	90	92	92	105	105	21	26	26	45	53	53	59	70	70	86	102	102

Table 90.1

Slab height (3)	EuMax 30/250																												
	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														
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*													
2.90	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.80	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.70	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.60	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.50	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.40	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.30	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.20	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.10	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
2.00	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102
1.94	35	35	69	69	92	92	105	105	26	26	26	53	53	70	70	102	102	26	26	26	26	26	53	53	70	70	102	102	102

Table 90.2

For key see page MD-73

EuMax 30/350 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 30/350																													
	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															
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*														
3.90	40	40	80	80	92	105	105	32	33	33	63	66	69	84	87	92	105	105	26	26	42	53	53	55	70	70	80	102	102	
3.80	43	43	87	87	92	105	105	32	35	35	63	69	69	84	92	92	105	105	26	26	42	53	53	55	70	70	80	102	102	
3.70	45	45	90	90	92	105	105	32	35	35	64	69	69	85	92	92	105	105	26	26	42	53	53	55	70	70	80	102	102	
3.60	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.50	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.40	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.30	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.20	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.10	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
3.00	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
2.90	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
2.80	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	42	53	53	55	70	70	80	102	102
2.70	46	46	92	92	92	105	105	32	35	35	64	69	69	85	92	92	105	105	20	26	26	43	53	53	56	70	70	81	102	102
2.60	46	46	92	92	92	105	105	32	35	35	65	69	69	86	92	92	105	105	20	26	26	43	53	53	56	70	70	82	102	102
2.50	46	46	92	92	92	105	105	32	35	35	65	69	69	87	92	92	105	105	20	26	26	43	53	53	57	70	70	82	102	102
2.44	46	46	92	92	92	105	105	32	35	35	66	69	69	88	92	92	105	105	20	26	26	44	53	53	57	70	70	83	102	102

Table 91.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/350 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 30/350																					
	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							
	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*	Inner tube at top	Inner tube at bottom*						
3.90	25	25	51	67	77	98	105	105	20	20	44	44	58	66	83	96	39	39	51	59	74	85
3.80	27	27	55	72	85	105	105	105	22	22	47	47	62	70	90	102	42	42	55	64	80	93
3.70	29	29	58	76	86	105	105	105	24	24	50	50	65	70	95	102	44	44	58	65	84	94
3.60	30	30	60	80	86	105	105	105	25	25	52	52	68	70	99	102	46	46	60	65	88	95
3.50	33	33	65	87	92	105	105	105	26	26	53	53	70	70	102	102	22	22	24	24	50	50
3.40	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
3.30	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
3.20	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
3.10	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
3.00	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.90	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.80	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.70	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.60	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.50	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53
2.44	35	35	69	92	92	105	105	105	26	26	53	53	70	70	102	102	26	26	26	26	53	53

Table 92.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB** = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/450 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 30/450																							
	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									
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom								
4.90	41	46	83	92	92	92	105	105	34	35	68	69	90	92	105	105	26	26	53	53	70	70	102	102
4.80	44	46	89	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.70	45	46	91	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.60	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.50	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.40	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.30	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.20	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.10	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
4.00	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.90	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.80	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.70	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.60	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.50	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.40	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.30	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.20	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.10	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
3.00	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102
2.94	46	46	92	92	92	92	105	105	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102

Table 93.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/450 – Asymmetrical loading

Slab thickness in cm

Slab height (3)	EuMax 30/450																						
	PB length 160 / 210				PB length 160 / 270				PB length 210 / 270														
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40								
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom							
4.90	26	31	53	61	69	81	102	105	21	26	45	53	60	69	87	101	22	40	47	53	62	77	90
4.80	28	33	57	66	74	87	105	105	23	26	45	53	63	70	92	102	20	43	50	57	66	82	96
4.70	29	33	59	67	77	88	105	105	24	26	48	53	66	70	96	102	21	45	51	59	67	86	97
4.60	30	33	61	67	80	89	105	105	25	26	51	53	68	70	100	102	22	47	51	61	67	89	98
4.50	33	35	65	69	86	92	105	105	26	26	53	53	70	70	102	102	24	50	53	65	70	95	102
4.40	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	69	70	102	102
4.30	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
4.20	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
4.10	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
4.00	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.90	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.80	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.70	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.60	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.50	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.40	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.30	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.20	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.10	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
3.00	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102
2.94	35	35	69	69	92	92	105	105	26	26	53	53	70	70	102	102	26	53	53	70	70	102	102

Table 94.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/300 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 20/300																
	PB length 80						PB length 160										
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	
3.40	47	47	92	92	92	92	105	105	25	32	32	52	63	69	84	100	105
3.30	47	47	92	92	92	92	105	105	27	33	33	55	66	72	88	105	105
3.20	47	47	92	92	92	92	105	105	28	34	34	57	68	75	90	105	105
3.10	47	47	92	92	92	92	105	105	29	35	35	58	70	77	92	105	105
3.00	47	47	92	92	92	92	105	105	30	36	36	60	73	80	92	105	105
2.90	47	47	92	92	92	92	105	105	31	38	38	63	75	83	92	105	105
2.80	47	47	92	92	92	92	105	105	32	39	39	65	77	86	92	105	105
2.70	47	47	92	92	92	92	105	105	33	40	40	67	79	89	92	105	105
2.60	47	47	92	92	92	92	105	105	35	40	40	69	80	92	92	105	105
2.50	47	47	92	92	92	92	105	105	36	40	40	71	81	92	92	105	105
2.40	47	47	92	92	92	92	105	105	36	40	40	73	81	92	92	105	105
2.30	47	47	92	92	92	92	105	105	36	40	40	73	81	92	92	105	105
2.20	47	47	92	92	92	92	105	105	36	40	40	73	81	92	92	105	105

Table 95.1

Slab height (m)	EuMax 20/300																
	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		
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	
3.40	23	48	39	48	52	63	75	91	91	20	20	30	37	40	48	57	69
3.30	24	50	41	50	54	65	78	95	95	20	20	31	38	42	50	60	72
3.20	25	52	43	52	56	67	81	99	99	20	20	33	40	44	52	62	75
3.10	26	53	44	53	58	69	84	102	102	20	20	34	41	45	54	64	77
3.00	27	55	46	55	60	72	87	105	105	20	20	35	42	46	55	66	80
2.90	28	57	47	57	62	74	91	105	105	20	20	36	44	48	57	69	83
2.80	29	58	49	58	64	77	94	105	105	21	21	38	45	50	59	71	85
2.70	30	60	51	60	66	78	97	105	105	22	22	39	46	51	60	73	87
2.60	30	60	52	60	68	79	100	105	105	22	22	40	46	53	61	76	88
2.50	30	61	54	61	70	80	103	105	105	22	22	41	47	54	61	78	89
2.40	30	61	55	61	72	80	105	105	105	22	22	42	47	55	61	80	89
2.30	30	61	55	61	72	80	105	105	105	22	22	42	47	55	61	80	89
2.20	30	61	55	61	72	80	105	105	105	22	22	42	47	55	61	80	89

Table 95.2

For key see page MD-73

EuMax 20/400 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 20/400																							
	PB length 80												PB length 160											
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
4.40	47	47	92	92	92	92	105	105	105	105	40	40	60	81	80	92	105	105	105	105	80	92	105	105
4.30	47	47	92	92	92	92	105	105	105	105	31	42	63	85	83	92	105	105	105	105	83	92	105	105
4.20	47	47	92	92	92	92	105	105	105	105	32	44	65	89	86	92	105	105	105	105	86	92	105	105
4.10	47	47	92	92	92	92	105	105	105	105	33	46	67	92	89	92	105	105	105	105	89	92	105	105
4.00	47	47	92	92	92	92	105	105	105	105	35	47	69	92	92	92	105	105	105	105	92	92	105	105
3.90	47	47	92	92	92	92	105	105	105	105	36	47	72	92	92	92	105	105	105	105	92	92	105	105
3.80	47	47	92	92	92	92	105	105	105	105	37	47	75	92	92	92	105	105	105	105	92	92	105	105
3.70	47	47	92	92	92	92	105	105	105	105	39	47	78	92	92	92	105	105	105	105	92	92	105	105
3.60	47	47	92	92	92	92	105	105	105	105	40	47	80	92	92	92	105	105	105	105	92	92	105	105
3.50	47	47	92	92	92	92	105	105	105	105	41	47	83	92	92	92	105	105	105	105	92	92	105	105
3.40	47	47	92	92	92	92	105	105	105	105	43	47	86	92	92	92	105	105	105	105	92	92	105	105
3.30	47	47	92	92	92	92	105	105	105	105	44	47	88	92	92	92	105	105	105	105	92	92	105	105
3.20	47	47	92	92	92	92	105	105	105	105	45	47	91	92	92	92	105	105	105	105	92	92	105	105
3.10	47	47	92	92	92	92	105	105	105	105	46	47	92	92	92	92	105	105	105	105	92	92	105	105
3.00	47	47	92	92	92	92	105	105	105	105	46	47	92	92	92	92	105	105	105	105	92	92	105	105
2.90	47	47	92	92	92	92	105	105	105	105	47	47	92	92	92	92	105	105	105	105	92	92	105	105
2.80	47	47	92	92	92	92	105	105	105	105	47	47	92	92	92	92	105	105	105	105	92	92	105	105
2.74	47	47	92	92	92	92	105	105	105	105	49	47	92	92	92	92	105	105	105	105	92	92	105	105

Table 96.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB** = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/400 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 20/400																															
	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			
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom						
4.40	22	30	46	61	80	87	105	22	35	47	61	89	22	35	47	61	89	22	35	47	61	89	22	35	47	61	89					
4.30	23	32	48	64	84	91	105	24	37	49	64	94	24	37	49	64	94	24	37	49	64	94	24	37	49	64	94					
4.20	24	33	50	66	88	94	105	25	38	51	67	98	25	38	51	67	98	25	38	51	67	98	25	38	51	67	98					
4.10	24	34	51	68	91	97	105	26	39	53	69	101	26	39	53	69	101	26	39	53	69	101	26	39	53	69	101					
4.00	25	36	52	71	92	100	105	27	40	55	70	102	27	40	55	70	102	27	40	55	70	102	27	40	55	70	102					
3.90	27	37	54	74	92	104	105	28	42	57	75	102	28	42	57	75	102	28	42	57	75	102	28	42	57	75	102					
3.80	28	39	56	78	92	105	105	20	30	43	59	102	20	30	43	59	102	20	30	43	59	102	20	30	43	59	102					
3.70	29	40	58	81	92	105	105	21	31	45	62	102	21	31	45	62	102	21	31	45	62	102	21	31	45	62	102					
3.60	30	42	60	84	92	105	105	22	32	46	64	102	22	32	46	64	102	22	32	46	64	102	22	32	46	64	102					
3.50	31	43	62	86	92	105	105	23	33	48	66	102	23	33	48	66	102	23	33	48	66	102	23	33	48	66	102					
3.40	32	44	64	89	92	105	105	24	34	49	67	102	24	34	49	67	102	24	34	49	67	102	24	34	49	67	102					
3.30	33	45	66	90	88	105	105	25	34	51	69	102	25	34	51	69	102	25	34	51	69	102	25	34	51	69	102					
3.20	34	45	68	91	90	105	105	26	35	52	69	102	26	35	52	69	102	26	35	52	69	102	26	35	52	69	102					
3.10	35	46	69	92	92	105	105	26	35	53	69	102	26	35	53	69	102	26	35	53	69	102	26	35	53	69	102					
3.00	35	46	69	92	92	105	105	26	35	54	70	102	26	35	54	70	102	26	35	54	70	102	26	35	54	70	102					
2.90	35	46	70	92	92	105	105	26	35	54	70	102	26	35	54	70	102	26	35	54	70	102	26	35	54	70	102					
2.80	36	46	71	92	92	105	105	27	36	55	71	102	27	36	55	71	102	27	36	55	71	102	27	36	55	71	102					
2.74	37	47	73	92	92	105	105	28	36	56	71	102	28	36	56	71	102	28	36	56	71	102	28	36	56	71	102					

Table 97.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 20/550																							
	PB length 80												PB length 160											
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
5.90	47	47	92	92	92	92	105	105	37	42	73	84	92	92	105	105	44	47	87	92	92	92	105	105
5.80	47	47	92	92	92	92	105	105	38	44	76	88	92	92	105	105	44	47	91	92	92	92	105	105
5.70	47	47	92	92	92	92	105	105	39	46	79	90	92	92	105	105	46	47	92	92	92	92	105	105
5.60	47	47	92	92	92	92	105	105	40	47	81	92	92	92	105	105	47	47	92	92	92	92	105	105
5.50	47	47	92	92	92	92	105	105	42	47	84	92	92	92	105	105	47	47	92	92	92	92	105	105
5.40	47	47	92	92	92	92	105	105	44	47	87	92	92	92	105	105	47	47	92	92	92	92	105	105
5.30	47	47	92	92	92	92	105	105	45	47	91	92	92	92	105	105	47	47	92	92	92	92	105	105
5.20	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
5.10	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
5.00	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.90	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.80	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.70	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.60	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.50	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.40	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.30	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.20	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.10	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
4.00	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.90	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.80	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.70	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.60	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.50	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105
3.44	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105	47	47	92	92	92	92	105	105

Table 98.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB** = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 20/550 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 20/550																
	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		
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	
5.90	27	31	55	63	72	83	105	105	105	20	23	42	48	56	63	80	92
5.80	28	33	57	66	75	88	105	105	105	21	25	44	51	58	67	84	97
5.70	29	35	59	69	78	90	105	105	105	22	26	46	53	60	69	87	100
5.60	30	36	61	71	80	92	105	105	105	22	27	47	55	61	70	89	102
5.50	31	37	63	74	83	92	105	105	105	23	28	48	57	63	70	92	102
5.40	33	39	65	77	87	92	105	105	105	24	29	50	59	66	70	96	102
5.30	34	40	68	81	90	92	105	105	105	25	31	52	62	68	70	100	102
5.20	35	42	70	84	92	92	105	105	105	26	32	54	64	70	70	102	102
5.10	36	43	73	87	92	92	105	105	105	28	33	56	66	70	70	102	102
5.00	38	45	75	90	92	92	105	105	105	29	34	58	69	70	70	102	102
4.90	39	47	78	92	92	92	105	105	105	30	36	60	71	70	70	102	102
4.80	41	47	81	92	92	92	105	105	105	31	37	62	74	70	70	102	102
4.70	42	47	84	92	92	92	105	105	105	32	38	64	77	70	70	102	102
4.60	43	47	87	92	92	92	105	105	105	33	40	66	80	70	70	102	102
4.50	45	47	90	92	92	92	105	105	105	34	41	69	82	70	70	102	102
4.40	46	47	92	92	92	92	105	105	105	36	42	71	85	70	70	102	102
4.30	47	47	92	92	92	92	105	105	105	37	43	73	87	70	70	102	102
4.20	47	47	92	92	92	92	105	105	105	38	44	76	88	70	70	102	102
4.10	47	47	92	92	92	92	105	105	105	39	44	79	89	70	70	102	102
4.00	47	47	92	92	92	92	105	105	105	41	45	81	90	70	70	102	102
3.90	47	47	92	92	92	92	105	105	105	41	45	83	90	70	70	102	102
3.80	47	47	92	92	92	92	105	105	105	42	45	84	90	70	70	102	102
3.70	47	47	92	92	92	92	105	105	105	43	45	87	90	70	70	102	102
3.60	47	47	92	92	92	92	105	105	105	44	45	89	90	70	70	102	102
3.50	47	47	92	92	92	92	105	105	105	46	45	92	90	70	70	102	102
3.44	47	47	92	92	92	92	105	105	105	47	45	92	90	70	70	102	102

Table 99.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/250 – One-sided loading

Slab thickness in cm

Slab height (m)		EuMax 30/250													
		PB length 80						PB length 160							
		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 80		PB spacing 60		PB spacing 40			
		Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom		
2.90	47	47	92	92	92	105	105	47	47	92	92	92	92	105	105
2.80	47	47	92	92	92	105	105	47	47	92	92	92	92	105	105
2.70	47	47	92	92	92	105	105	57	47	92	92	92	92	105	105
2.60	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.50	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.40	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.30	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.20	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.10	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
2.00	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105
1.94	47	47	92	92	92	105	105	67	47	92	92	92	92	105	105

Table 100.1

Slab height (m)		EuMax 30/250													
		PB length 210						PB length 270							
		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 80		PB spacing 60		PB spacing 40			
		Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom		
2.90	46	47	92	92	92	105	105	36	41	71	83	70	70	102	102
2.80	47	47	92	92	92	105	105	37	43	74	86	70	70	102	102
2.70	47	47	92	92	92	105	105	38	44	77	88	70	70	102	102
2.60	47	47	92	92	92	105	105	39	45	79	90	70	70	102	102
2.50	47	47	92	92	92	105	105	41	45	81	90	70	70	102	102
2.40	47	47	92	92	92	105	105	41	45	83	91	70	70	102	102
2.30	47	47	92	92	92	105	105	42	46	83	92	70	70	102	102
2.20	47	47	92	92	92	105	105	42	46	84	92	70	70	102	102
2.10	47	47	92	92	92	105	105	42	46	83	92	70	70	102	102
2.00	47	47	92	92	92	105	105	41	46	83	92	70	70	102	102
1.94	47	47	92	92	92	105	105	41	46	81	92	70	70	102	102

Table 100.2

For key see page MD-73

EuMax 30/350 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 30/350																							
	PB length 80												PB length 160											
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40	
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom
3.90	47	47	92	92	92	92	105	105	105	105	44	47	47	87	92	92	92	92	92	92	92	105	105	
3.80	47	47	92	92	92	92	105	105	105	105	46	47	47	92	92	92	92	92	92	92	92	105	105	
3.70	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.60	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.50	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.40	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.30	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.20	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.10	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
3.00	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.90	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.80	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.70	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.60	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.50	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	
2.44	47	47	92	92	92	92	105	105	105	105	47	47	47	92	92	92	92	92	92	92	92	105	105	

Table 101.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/350 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 30/350																			
	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					
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom				
3.90	33	36	65	72	87	92	105	105	24	27	50	55	66	70	96	102				
3.80	34	38	68	76	91	92	105	105	26	29	53	58	69	70	101	102				
3.70	36	39	71	79	92	92	105	105	27	30	55	60	70	70	102	102				
3.60	37	40	73	81	92	92	105	105	28	31	56	62	70	70	102	102				
3.50	38	42	76	84	92	92	105	105	29	32	59	64	70	70	102	102				
3.40	40	43	80	87	92	92	105	105	30	33	61	66	70	70	102	102				
3.30	41	45	83	90	92	92	105	105	32	34	63	68	70	70	102	102				
3.20	43	46	86	92	92	92	105	105	33	35	65	70	70	70	102	102				
3.10	44	47	89	92	92	92	105	105	34	36	68	71	70	70	102	102				
3.00	46	47	92	92	92	92	105	105	35	36	69	72	70	70	102	102				
2.90	47	47	92	92	92	92	105	105	36	36	72	73	70	70	102	102				
2.80	47	47	92	92	92	92	105	105	37	37	73	73	70	70	102	102				
2.70	47	47	92	92	92	92	105	105	37	37	73	73	70	70	102	102				
2.60	47	47	92	92	92	92	105	105	37	37	73	73	70	70	102	102				
2.50	47	47	92	92	92	92	105	105	37	37	73	73	70	70	102	102				
2.44	47	47	92	92	92	92	105	105	37	37	75	73	70	70	102	102				

Table 102.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/450 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 30/450																											
	PB length 80												PB length 160															
	PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40		PB spacing 160		PB spacing 80		PB spacing 60		PB spacing 40					
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom				
4.90	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.80	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.70	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.60	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.50	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.40	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.30	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.20	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.10	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
4.00	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.90	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.80	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.70	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.60	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.50	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.40	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.30	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.20	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.10	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
3.00	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105
2.94	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105	47	47	47	47	92	92	92	92	105	105

Table 103.1

Key:

- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- Slab thickness < 20 cm
- PB = primary beam
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30/450 – One-sided loading

Slab thickness in cm

Slab height (m)	EuMax 30/450																															
	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			
	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom	Inner tube at top	Inner tube at bottom						
4.90	37	42	74	85	92	92	105	105	105	105	105	28	32	32	57	65	70	70	70	102	102	102	102	102	102							
4.80	39	44	77	89	92	92	105	105	105	105	105	29	34	34	59	68	70	70	70	102	102	102	102	102	102							
4.70	40	46	80	91	92	92	105	105	105	105	105	30	35	35	61	71	70	70	70	102	102	102	102	102	102							
4.60	41	47	83	92	92	92	105	105	105	105	105	31	36	36	63	73	70	70	70	102	102	102	102	102	102							
4.50	43	47	86	92	92	92	105	105	105	105	105	33	38	38	66	76	70	70	70	102	102	102	102	102	102							
4.40	45	47	90	92	92	92	105	105	105	105	105	34	39	39	68	79	70	70	70	102	102	102	102	102	102							
4.30	46	47	92	92	92	92	105	105	105	105	105	35	41	41	71	82	70	70	70	102	102	102	102	102	102							
4.20	47	47	92	92	92	92	105	105	105	105	105	37	42	42	73	85	70	70	70	102	102	102	102	102	102							
4.10	47	47	92	92	92	92	105	105	105	105	105	38	44	44	76	88	70	70	70	102	102	102	102	102	102							
4.00	47	47	92	92	92	92	105	105	105	105	105	40	45	45	79	91	70	70	70	102	102	102	102	102	102							
3.90	47	47	92	92	92	92	105	105	105	105	105	41	47	47	82	92	70	70	70	102	102	102	102	102	102							
3.80	47	47	92	92	92	92	105	105	105	105	105	42	47	47	85	92	70	70	70	102	102	102	102	102	102							
3.70	47	47	92	92	92	92	105	105	105	105	105	44	47	47	88	92	70	70	70	102	102	102	102	102	102							
3.60	47	47	92	92	92	92	105	105	105	105	105	45	47	47	91	92	70	70	70	102	102	102	102	102	102							
3.50	47	47	92	92	92	92	105	105	105	105	105	46	47	47	92	92	70	70	70	102	102	102	102	102	102							
3.40	47	47	92	92	92	92	105	105	105	105	105	46	47	47	92	92	70	70	70	102	102	102	102	102	102							
3.30	47	47	92	92	92	92	105	105	105	105	105	47	47	47	92	92	70	70	70	102	102	102	102	102	102							
3.20	47	47	92	92	92	92	105	105	105	105	105	47	47	47	92	92	70	70	70	102	102	102	102	102	102							
3.10	47	47	92	92	92	92	105	105	105	105	105	47	47	47	92	92	70	70	70	102	102	102	102	102	102							
3.00	47	47	92	92	92	92	105	105	105	105	105	47	47	47	92	92	70	70	70	102	102	102	102	102	102							
2.94	47	47	92	92	92	92	105	105	105	105	105	47	47	47	92	92	70	70	70	102	102	102	102	102	102							

Table 104.1

- Key:
- MevaDec-e drop head attached using four screws
 - MevaDec-e drop head attached using four screws or inserted and secured with a pin
 - Slab thickness < 20 cm
 - PB** = primary beam
 - * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

EuMax 30 – Reshoring

Perm. compressive force in kN

Slab height (m)	EuMax 30/450 with MevaDec-e drop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
4.90	26.06	24.70
4.80	27.52	27.10
4.70	29.03	29.50
4.60	30.55	31.90
4.50	31.50	34.30
4.40	33.50	36.70
4.30	35.50	39.30
4.20	37.80	41.30
4.10	10.10	41.30
4.00	41.30	41.30
3.90	41.30	41.30
3.80	41.30	41.30
3.70	41.30	41.30
3.60	41.30	41.30
3.50	41.30	41.30
3.40	41.30	41.30
3.30	41.30	41.30
3.20	41.30	41.30
3.10	41.30	41.30
3.00	41.30	41.30
2.94	41.30	41.30

Table 106.3

Slab height (m)	EuMax 30/350 with MevaDec-e drop head	
	Perm. compressive force in kN	
	Inner tube at top	Inner tube at bottom*
3.90	23.27	24.91
3.80	24.55	26.55
3.70	25.88	28.18
3.60	27.21	29.94
3.50	27.82	31.20
3.40	28.97	33.30
3.30	29.70	36.20
3.20	30.30	38.80
3.10	30.85	41.80
3.00	31.33	44.00
2.90	31.76	45.30
2.80	32.06	47.00
2.70	32.36	47.00
2.60	32.61	47.00
2.50	32.79	47.00
2.44	33.09	47.00

Table 106.2

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	47.00
2.80	32.24	47.00
2.70	32.61	47.00
2.60	32.85	47.00
2.50	32.85	47.00
2.40	32.85	47.00
2.30	32.85	47.00
2.20	32.85	47.00
2.10	32.85	47.00
2.00	32.85	47.00
1.94	32.85	47.00

Table 106.1

Key:



- MevaDec-e drop head attached using four screws
- MevaDec-e drop head attached using four screws or inserted and secured with a pin
- * MevaDec-e drop head cannot be secured with a pin, as the outer tube has no hole

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

Slab height (m)	EuMax 30/250 with MevaDec prop head		EuMax 30/350 with MevaDec prop head		EuMax 30/450 with MevaDec-e prop head	
	Perm. compressive force in kN		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*	Inner tube at top	Inner tube at bottom*
2.70	47.00	47.00	28.18	27.80	29.03	29.50
2.60	47.00	47.00	29.94	30.60	30.55	31.90
2.50	47.00	47.00	31.20	33.40	31.50	34.30
2.40	47.00	47.00	33.30	36.20	33.50	36.70
2.30	47.00	47.00	36.20	39.20	35.50	39.30
2.20	47.00	47.00	38.80	42.10	37.80	41.30
2.10	47.00	47.00	41.80	43.80	41.30	41.30
2.00	47.00	47.00	44.00	45.30	41.30	41.30
1.90	47.00	47.00	45.30	47.00	41.30	41.30
1.80	47.00	47.00	47.00	47.00	41.30	41.30
1.74	47.00	47.00	47.00	47.00	41.30	41.30

Table 108.1

Slab height (m)	EuMax 30/350 with MevaDec prop head		EuMax 30/450 with MevaDec-e 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*
3.70	28.18	27.80	29.03	29.50
3.60	29.94	30.60	30.55	31.90
3.50	31.20	33.40	31.50	34.30
3.40	33.30	36.20	33.50	36.70
3.30	36.20	39.20	35.50	39.30
3.20	38.80	42.10	37.80	41.30
3.10	41.80	43.80	41.30	41.30
3.00	44.00	45.30	41.30	41.30
2.90	45.30	47.00	41.30	41.30
2.80	47.00	47.00	41.30	41.30
2.70	47.00	47.00	41.30	41.30
2.60	47.00	47.00	41.30	41.30
2.50	47.00	47.00	41.30	41.30
2.40	47.00	47.00	41.30	41.30
2.30	47.00	47.00	41.30	41.30
2.24	47.00	47.00	41.30	41.30

Table 108.2

Slab height (m)	EuMax 30/250 with MevaDec prop head		EuMax 30/350 with MevaDec prop head		EuMax 30/450 with MevaDec-e prop head	
	Perm. compressive force in kN		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*	Inner tube at top	Inner tube at bottom*
2.70	47.00	47.00	28.18	27.80	29.03	29.50
2.60	47.00	47.00	29.94	30.60	30.55	31.90
2.50	47.00	47.00	31.20	33.40	31.50	34.30
2.40	47.00	47.00	33.30	36.20	33.50	36.70
2.30	47.00	47.00	36.20	39.20	35.50	39.30
2.20	47.00	47.00	38.80	42.10	37.80	41.30
2.10	47.00	47.00	41.80	43.80	41.30	41.30
2.00	47.00	47.00	44.00	45.30	41.30	41.30
1.90	47.00	47.00	45.30	47.00	41.30	41.30
1.80	47.00	47.00	47.00	47.00	41.30	41.30
1.74	47.00	47.00	47.00	47.00	41.30	41.30

Table 108.3

Key:



MD prop head attached using four screws

MD prop head attached using four screws or inserted and secured with a pin

* The MD prop head cannot be secured with a pin, as the outer tube has no hole

Note

→ 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.

EuMax 20 – 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
5.50	21.80	23.90
5.40	22.90	25.30
5.30	24.10	26.70
5.20	25.20	28.10
5.10	26.50	29.60
5.00	27.80	31.30
4.90	29.20	33.00
4.80	30.70	35.00
4.70	32.40	37.20
4.60	34.10	39.50
4.50	36.00	41.30
4.40	38.00	41.30
4.30	40.20	41.30
4.20	41.30	41.30
4.10	41.30	41.30
4.00	41.30	41.30
3.90	41.30	41.30
3.80	41.30	41.30
3.70	41.30	41.30
3.60	41.30	41.30
3.50	41.30	41.30
3.40	41.30	41.30
3.30	41.30	41.30
3.20	41.30	41.30
3.10	41.30	41.30
3.04	41.30	41.30

Table 109.3

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

Table 109.2

Slab height (m)	EuMax 20/300	
	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 109.1

Slab Formwork

EuMax 30 – 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 bot- tom*	
4.50	31.50	34.30	
4.40	33.50	36.70	
4.30	35.50	39.30	
4.20	37.80	41.30	
4.10	10.10	41.30	
4.00	41.30	41.30	
3.90	41.30	41.30	
3.80	41.30	41.30	
3.70	41.30	41.30	
3.60	41.30	41.30	
3.50	41.30	41.30	
3.40	41.30	41.30	
3.30	41.30	41.30	
3.20	41.30	41.30	
3.10	41.30	41.30	
3.00	41.30	41.30	
2.90	41.30	41.30	
2.80	41.30	41.30	
2.70	41.30	41.30	
2.60	41.30	41.30	
2.54	41.30	41.30	

Table 110.3

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

Table 110.2

Slab height (m)	EuMax 30/250		
	Perm. compressive force in kN		
	Inner tube at top	Inner tube at bot- tom*	
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 110.1

Notes

A large grid of small dots for taking notes, consisting of approximately 30 columns and 40 rows.



MEVA Schalungs-Systeme GmbH

Industriestraße 5 Tel. +49 7456 692-01
72221 Haiterbach Fax +49 7456 692-66
Germany info@meva.net

www.meva.net