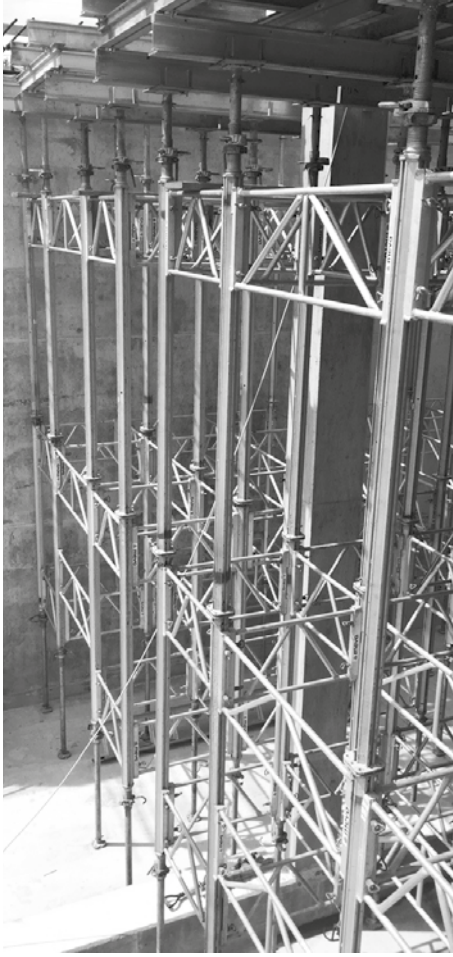

MEP Shoring Tower

Load Charts

Contents

Load charts – Preliminary notes

The following pages list combinations of the MEP shoring tower made up of MEP props, MEP frames and MEP extensions.

→ The MEP shoring tower used as an individual tower is verified on the basis of DIN EN 12812:2008-12 for the design class B1.
→ The specified tower heights are given without superstructure. The use of slab formwork such as MevaDec or MevaFlex must be taken into consideration accordingly.
→ The basic dimension of the towers corresponds to the spacing between the prop axes.
→ The MEP prop is always connected to an MEP prop or an MEP extension using four M16x40 hexagon-head bolts and four M16 hexagonal nuts.
→ The load data applies to towers held at the top, i.e. the horizontal load is always taken up at the top. MEP towers must always be held horizontally at the top.
→ The load-bearing capacity depends on the extension lengths of the props, top and bottom.
→ When assembling the tower, ensure that the specified extension lengths and the position of the MEP frames are observed.
→ The load data takes into account the following cases:
1. Wind impact pressure
q = 0.80 kN/m²
2. Wind impact pressure
q = 0.50 kN/m²
3. No wind load (= towers in a closed building)
→ If the tower is to be used for access purposes, additional accessories such as scaffold platforms, ladders and, if necessary, additional MEP frames are required.

Important
The load data replace the values specified in the technical instruction manual for the MEP shoring tower.

Note
Refer to the Technical Instruction Manual for further information on assembly and disassembly or relocation options for the MEP shoring tower.

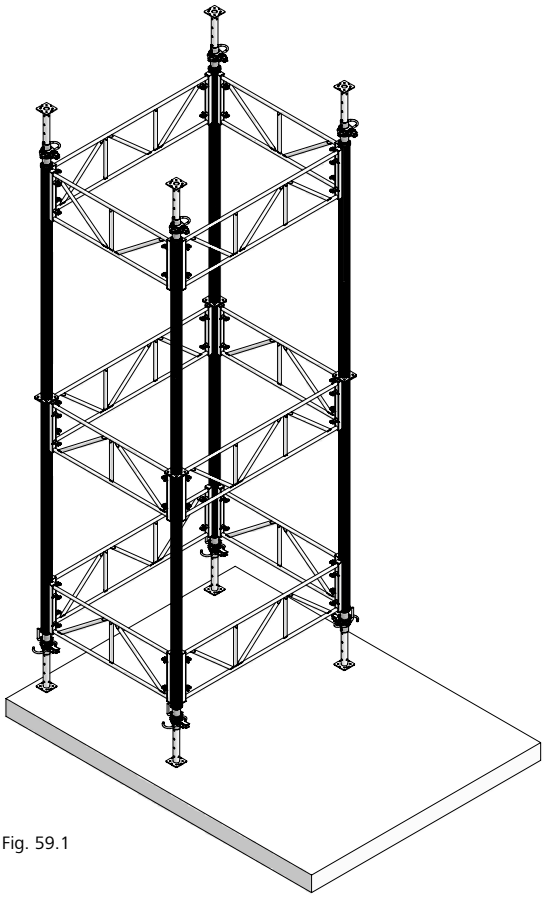

Fig. 59.1

MEP 300 – Tower 55 x 55

- Prop: MEP 300
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 60.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 60.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 60.3

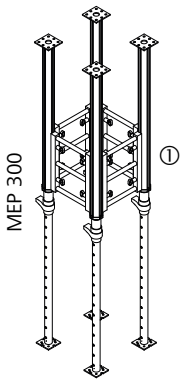

Fig. 60.4

Position of frame

① As low as possible

MEP 300 – Tower 55 x 110

- Prop: MEP 300
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 61.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 61.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 61.3

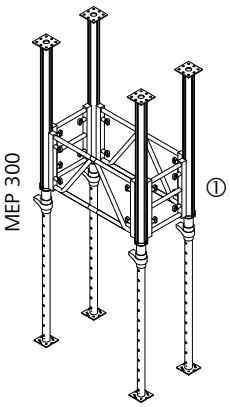

Fig. 61.4

Position of frame

① As low as possible

MEP 300 – Tower 55 x 170

- Prop: MEP 300
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 62.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 62.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 62.3

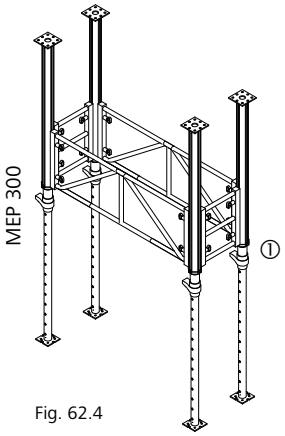

Fig. 62.4

Position of frame

① As low as possible

MEP 300 – Tower 55 x 220

- Prop: MEP 300
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 63.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 63.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 63.3

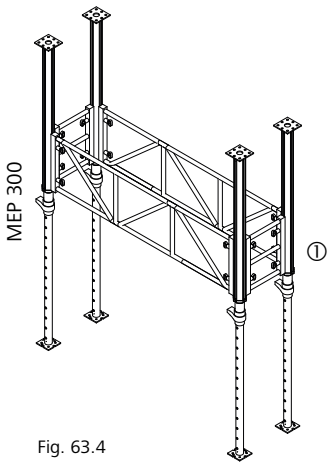

Fig. 63.4

Position of frame

① As low as possible

MEP 300 – Tower 110 x 110

- Prop: MEP 300
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 64.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 64.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 64.3

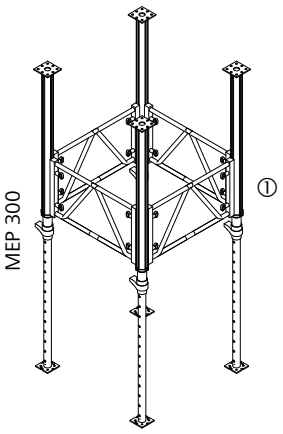

Fig. 64.4

Position of frame

① As low as possible

MEP 300 – Tower 110 x 170

- Prop: MEP 300
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 65.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 65.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 65.3

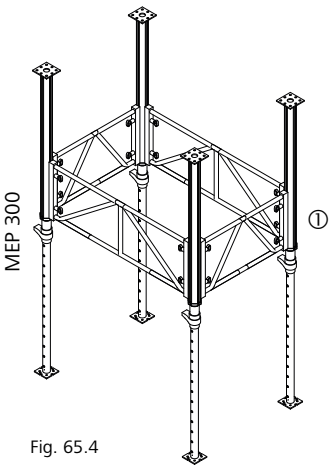

Fig. 65.4

Position of frame

① As low as possible

MEP 300 – Tower 110 x 220

- Prop: MEP 300
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 66.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 66.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 66.3

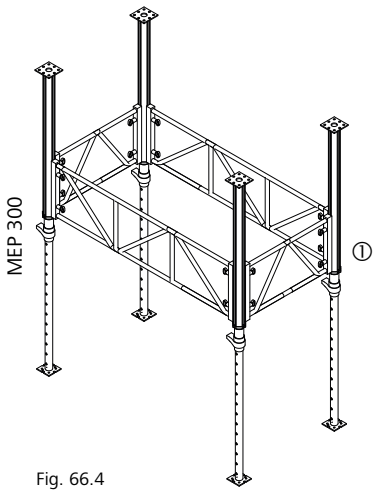

Fig. 66.4

Position of frame

① As low as possible

MEP 300 – Tower 170 x 170

- Prop: MEP 300
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 67.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 67.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 67.3

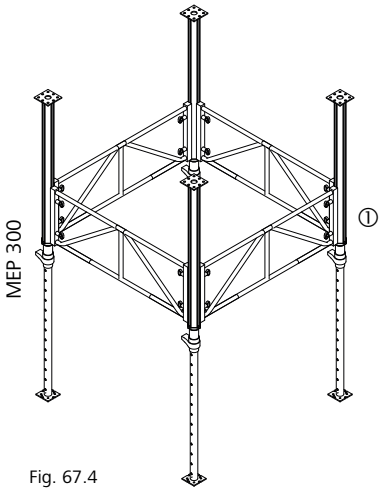

Fig. 67.4

Position of frame

① As low as possible

MEP 300 – Tower 170 x 220

- Prop: MEP 300
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 68.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 68.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 68.3

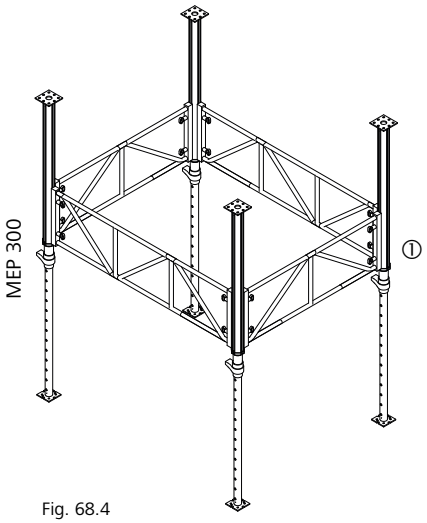

Fig. 68.4

Position of frame

① As low as possible

MEP 300 – Tower 220 x 220

- Prop: MEP 300
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 185 to 300 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 69.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 69.2

Without wind		
Total length (cm)	MEP 300, extension length (cm)	Perm. load (kN)
300	300	40.00
275	275	40.00
250	250	40.00
225	225	40.00
200	200	40.00
180	180	40.00

Table 69.3

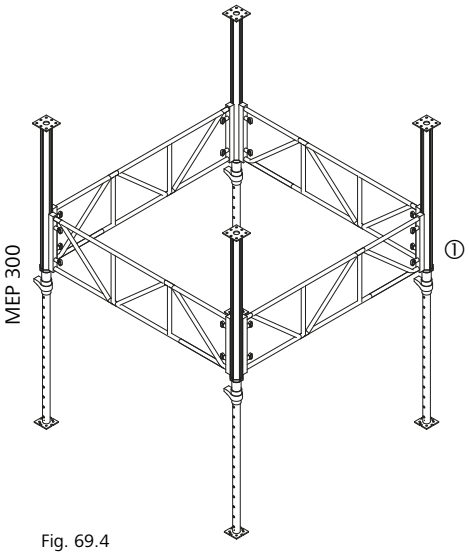

Fig. 69.4

Position of frame

① As low as possible

MEP 450 – Tower 55 x 55

- Prop: MEP 450
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	25.00
425	425	31.65
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 70.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	27.49
425	425	36.05
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 70.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.45
425	425	39.10
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 70.3

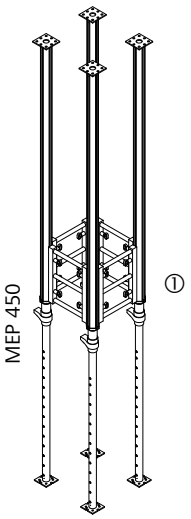

Fig. 70.4

Position of frame

① As low as possible

MEP 450 – Tower 55 x 110

- Prop: MEP 450
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	24.42
425	425	31.47
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 71.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	27.18
425	425	33.12
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 71.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.40
425	425	39.09
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 71.3

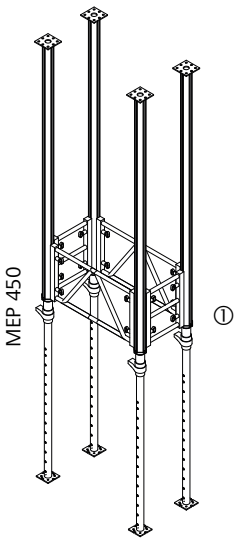

Fig. 71.4

Position of frame

① As low as possible

MEP 450 – Tower 55 x 170

- Prop: MEP 450
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	23.01
425	425	30.91
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 72.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	26.43
425	425	32.78
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 72.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.40
425	425	39.08
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 72.3

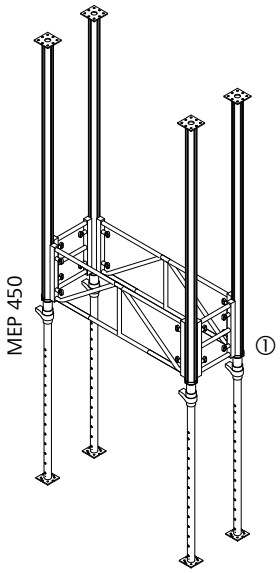

Fig. 72.4

Position of frame

① As low as possible

MEP 450 – Tower 55 x 220

- Prop: MEP 450
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	21.54
425	425	30.27
400	400	39.52
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 73.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	25.65
425	425	32.51
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 73.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.38
425	425	39.08
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 73.3

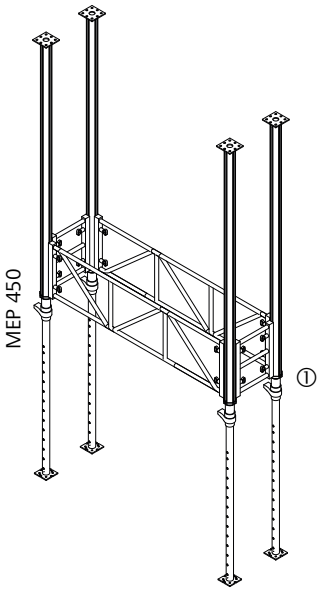

Fig. 73.4

Position of frame

① As low as possible

MEP 450 – Tower 110 x 110

- Prop: MEP 450
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	24.21
425	425	34.00
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 74.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	27.06
425	425	35.90
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 74.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.40
425	425	39.22
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 74.3

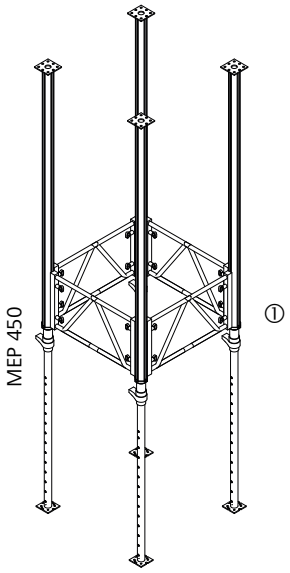

Fig. 74.4

Position of frame

① As low as possible

MEP 450 – Tower 110 x 170

- Prop: MEP 450
- MEP frame: 110, 170
- Basic dimension: 110 x 1700 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	22.80
425	425	33.13
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 75.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	26.26
425	425	35.34
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 75.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.39
425	425	39.17
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 75.3

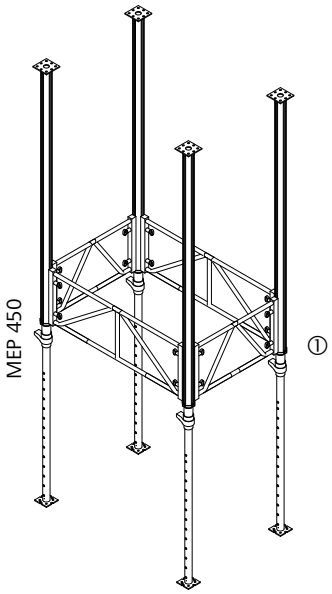

Fig. 75.4

Position of frame

① As low as possible

MEP 450 – Tower 110 x 220

- Prop: MEP 450
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	21.30
425	425	32.28
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 76.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	25.46
425	425	34.81
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 76.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.39
425	425	39.18
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 76.3

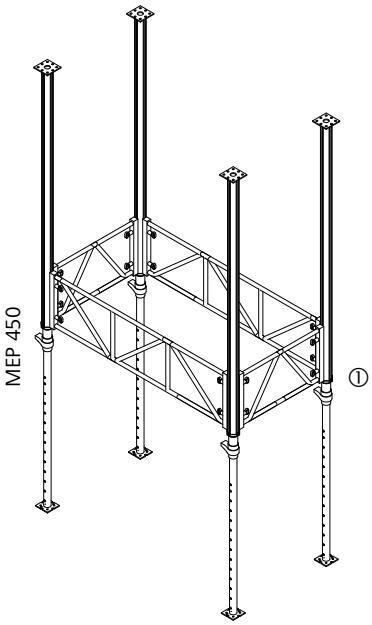

Fig. 76.4

Position of frame

① As low as possible

MEP 450 – Tower 170 x 170

- Prop: MEP 450
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	22.67
425	425	32.88
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 77.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	26.17
425	425	35.16
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 77.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.38
425	425	39.16
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 77.3

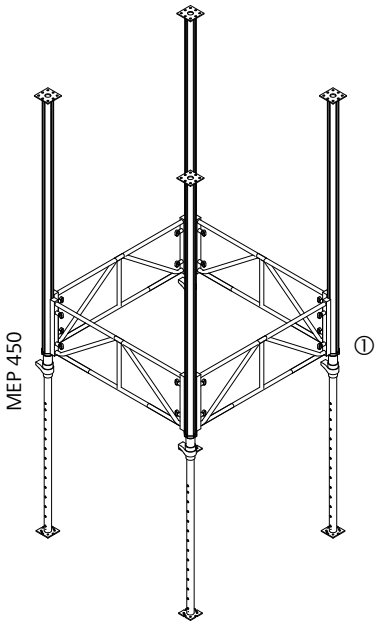

Fig. 77.4

Position of frame

① As low as possible

MEP 450 – Tower 170 x 220

- Prop: MEP 450
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	21.18
425	425	32.09
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 78.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	25.38
425	425	34.60
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 78.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.38
425	425	39.15
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 78.3

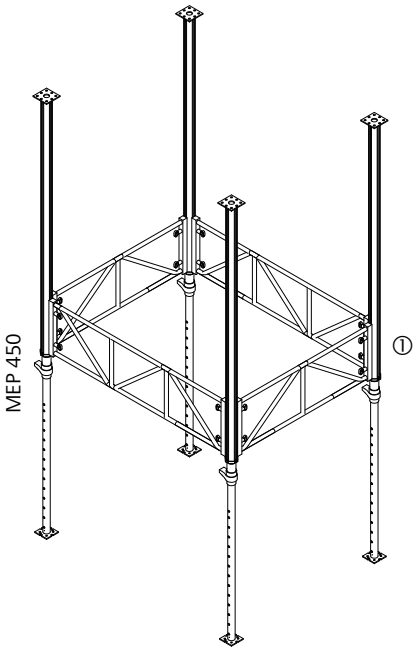

Fig. 78.4

Position of frame

① As low as possible

MEP 450 – Tower 220 x 220

- Prop: MEP 450
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 300 to 450 cm

Wind impact pressure q = 0.80 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	20.85
425	425	32.21
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 79.1

Wind impact pressure q = 0.50 kN/m²		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	25.22
425	425	34.49
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 79.2

Without wind		
Total length (cm)	MEP 450, extension length (cm)	Perm. load (kN)
450	450	31.38
425	425	39.17
400	400	40.00
375	375	40.00
350	350	40.00
325	325	40.00
300	300	40.00

Table 79.3

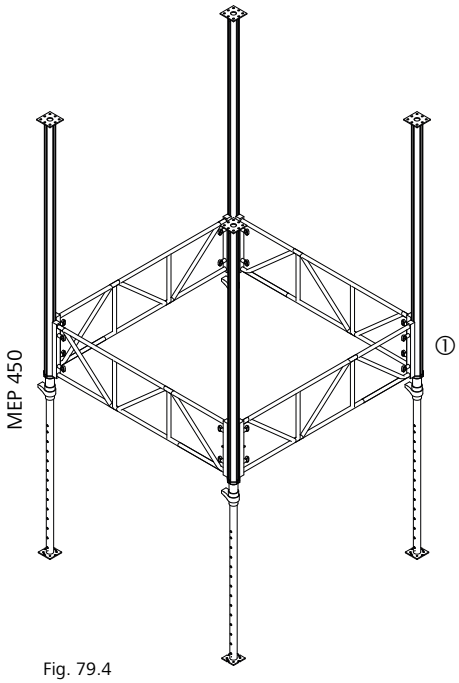

Fig. 79.4

Position of frame

① As low as possible

2 x MEP 300 – Tower 55 x 55

- Props: 2 x MEP 300
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	13.92
575	300	275	19.85
550	300	250	20.95
525	300	225	27.32
500	275	225	31.46
475	275	200	37.70
450	250	200	39.85
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 80.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	18.06
575	300	275	23.72
550	300	250	27.03
525	300	225	31.47
500	275	225	37.50
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 80.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.98
575	300	275	30.56
550	300	250	36.04
525	300	225	38.53
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 80.3

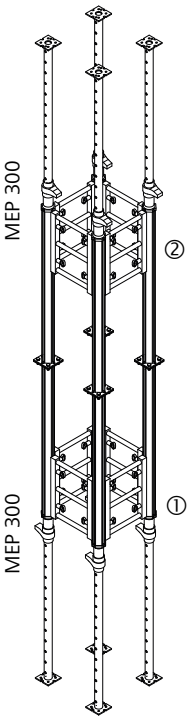

Fig. 80.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 55 x 110

- Props: 2 x MEP 300
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	12.90
575	300	275	18.91
550	300	250	19.59
525	300	225	26.26
500	275	225	30.09
475	275	200	36.71
450	250	200	38.55
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 81.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	17.43
575	300	275	23.10
550	300	250	26.22
525	300	225	30.87
500	275	225	36.72
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 81.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.96
575	300	275	30.53
550	300	250	36.01
525	300	225	38.49
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 81.3

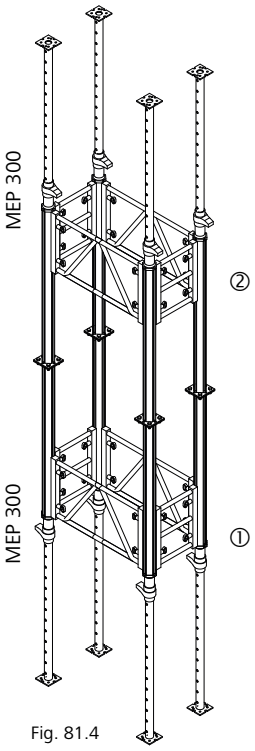

Fig. 81.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 55 x 170

- Props: 2 x MEP 300
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	10.73
575	300	275	16.34
550	300	250	16.40
525	300	225	23.38
500	275	225	27.06
475	275	200	33.61
450	250	200	35.69
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 82.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	15.99
575	300	275	21.78
550	300	250	24.35
525	300	225	29.44
500	275	225	33.93
475	275	200	39.65
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 82.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.93
575	300	275	30.51
550	300	250	35.99
525	300	225	38.44
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 82.3

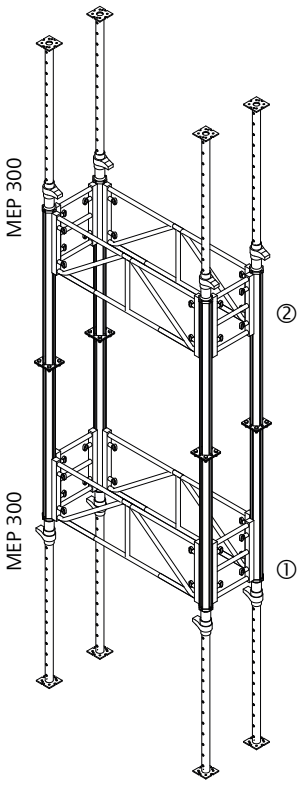

Fig. 82.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 55 x 220

- Props: 2 x MEP 300
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	8.60
575	300	275	13.34
550	300	250	13.18
525	300	225	21.03
500	275	225	23.08
475	275	200	31.44
450	250	200	31.60
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 83.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	14.66
575	300	275	20.47
550	300	250	21.94
525	300	225	27.95
500	275	225	32.32
475	275	200	38.29
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 83.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.91
575	300	275	30.49
550	300	250	35.96
525	300	225	38.41
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 83.3

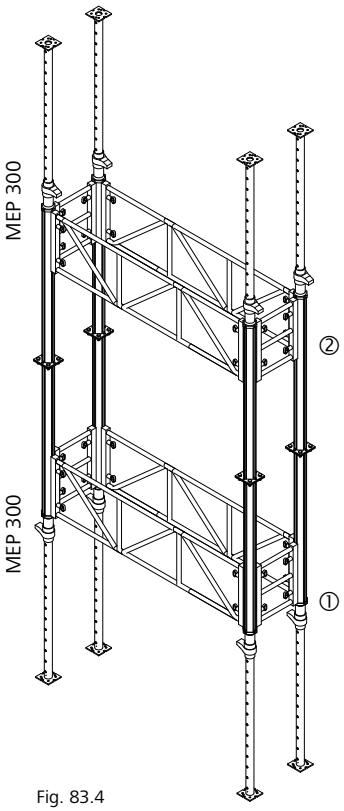

Fig. 83.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 110 x 110

- Props: 2 x MEP 300
- MEP frame: 110, 110
- Basic dimension: 110 x 110 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bo ttom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	20.55
575	300	275	26.52
550	300	250	31.73
525	300	225	37.95
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 84.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.53
575	300	275	30.11
550	300	250	35.01
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 84.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	29.86
575	300	275	34.89
550	300	250	39.88
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 84.3

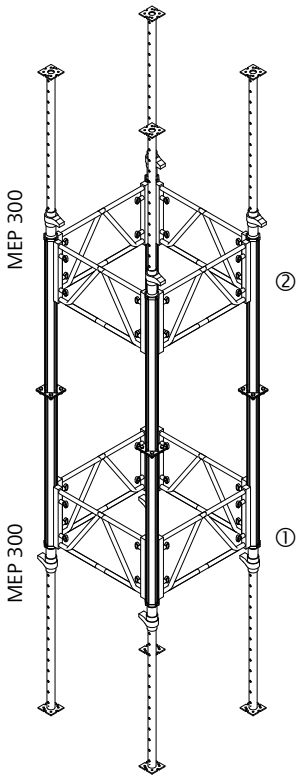

Fig. 84.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 110 x 170

- Props: 2 x MEP 300
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	18.14
575	300	275	24.31
550	300	250	29.91
525	300	225	36.59
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 85.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	23.36
575	300	275	29.05
550	300	250	33.99
525	300	225	39.81
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 85.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	29.86
575	300	275	34.89
550	300	250	39.86
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 85.3

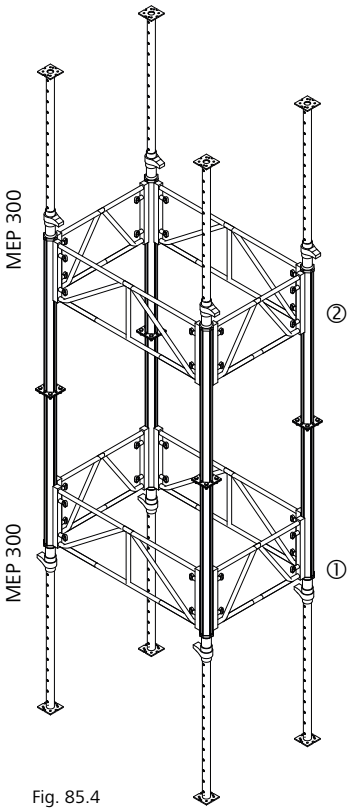

Fig. 85.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 110 x 220

- Props: 2 x MEP 300
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	15.20
575	300	275	22.07
550	300	250	28.09
525	300	225	35.29
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 86.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	22.11
575	300	275	27.92
550	300	250	33.09
525	300	225	38.97
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 86.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	29.82
575	300	275	34.88
550	300	250	39.85
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 86.3

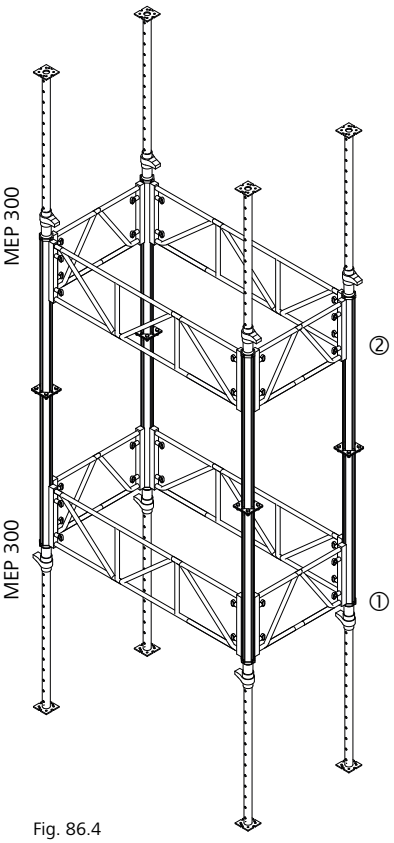

Fig. 86.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 170 x 170

- Props: 2 x MEP 300
- MEP frame: 170, 170
- Basic dimension: 170 x 170 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	19.07
575	300	275	25.65
550	300	250	32.67
525	300	225	38.32
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 87.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	24.57
575	300	275	30.50
550	300	250	35.75
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 87.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	31.38
575	300	275	36.34
550	300	250	40.00
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 87.3

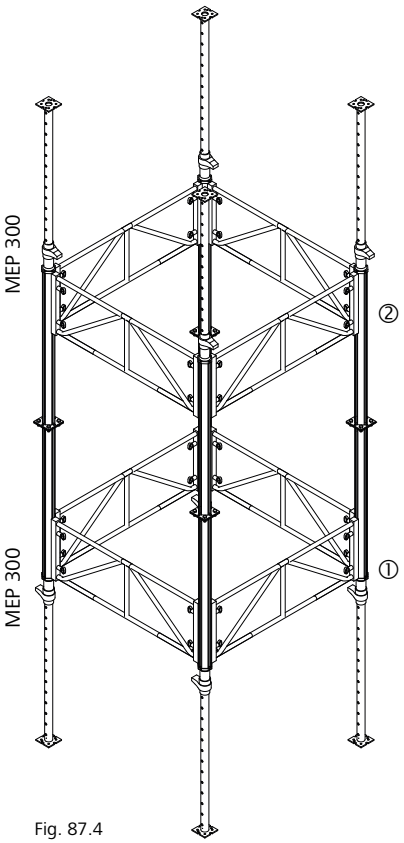

Fig. 87.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 170 x 220

- Props: 2 x MEP 300
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	16.01
575	300	275	23.36
550	300	250	30.76
525	300	225	36.93
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 88.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	23.32
575	300	275	29.36
550	300	250	34.84
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 88.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	31.37
575	300	275	36.33
550	300	250	40.00
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 88.3

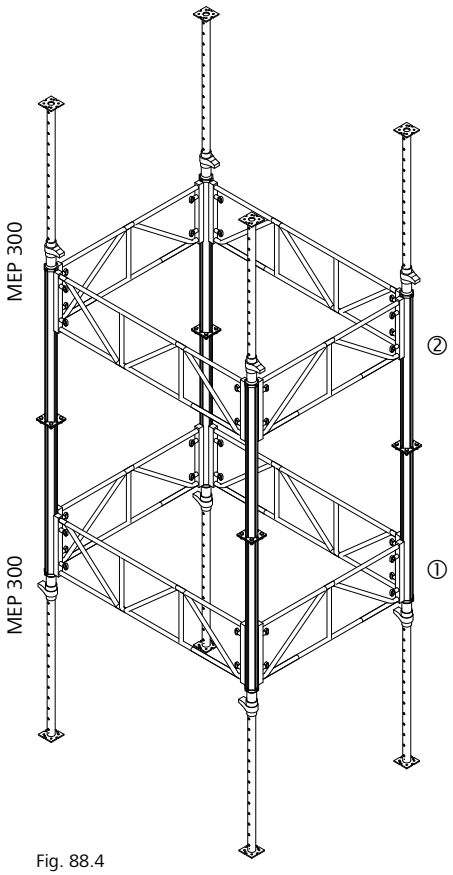

Fig. 88.4

Position of frame

① As low as possible

② As high as possible

2 x MEP 300 – Tower 220 x 220

- Props: 2 x MEP 300
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 360 to 600 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	15.50
575	300	275	23.42
550	300	250	31.12
525	300	225	36.67
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 89.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	23.27
575	300	275	29.55
550	300	250	35.14
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 89.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
600	300	300	31.60
575	300	275	36.67
550	300	250	40.00
525	300	225	40.00
500	275	225	40.00
475	275	200	40.00
450	250	200	40.00
425	225	200	40.00
400	200	200	40.00
380	200	180	40.00
360	180	180	40.00

Table 89.3

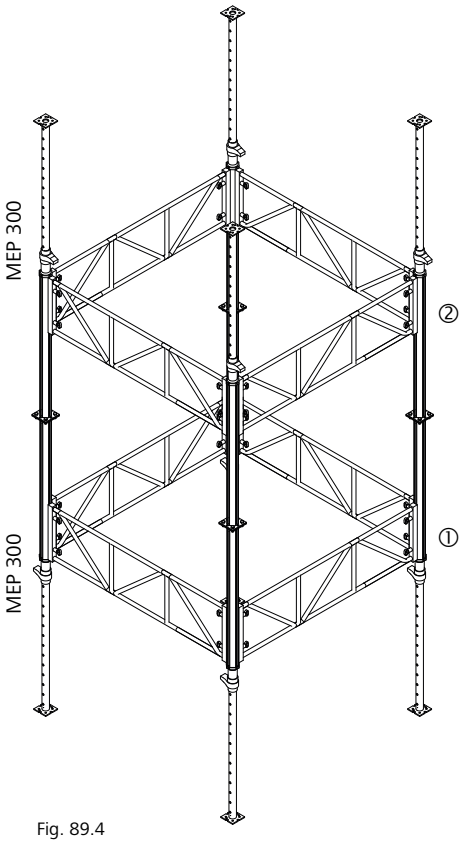

Fig. 89.4

Position of frame

① As low as possible

② As high as possible

MEP 300 + MEP 450 – Tower 55 x 55

- Props: MEP 300 + 450
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	7.69
700	425	275	9.37
675	425	250	12.43
650	400	250	15.19
625	400	225	16.01
600	375	225	20.61
575	375	200	25.76
550	350	200	26.53
525	325	200	30.94
500	300	200	31.85
480	300	180	36.41

Table 90.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	12.44
725	450	275	13.94
700	425	275	17.39
675	425	250	19.21
650	400	250	24.08
625	400	225	24.75
600	375	225	28.97
575	375	200	32.28
550	350	200	33.83
525	325	200	38.71
500	300	200	40.00
480	300	180	40.00

Table 90.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	22.78
725	450	275	24.07
700	425	275	28.82
675	425	250	29.74
650	400	250	35.33
625	400	225	37.50
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 90.3

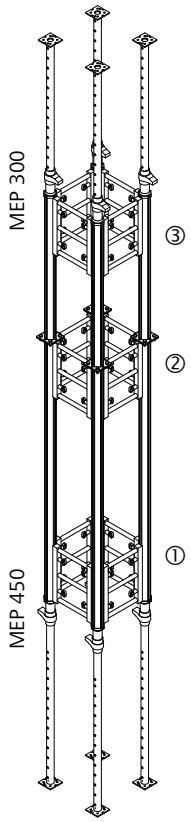

Fig. 90.4

Position of frame
① As low as possible
② Below the prop connection
③ As high as possible

MEP 300 + MEP 450 – Tower 55 x 110

- Props: MEP 300 + 450
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	6.02
700	425	275	7.08
675	425	250	10.61
650	400	250	12.78
625	400	225	13.72
600	375	225	18.56
575	375	200	23.94
550	350	200	24.40
525	325	200	28.91
500	300	200	29.79
480	300	180	33.34

Table 91.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	11.22
725	450	275	12.88
700	425	275	16.08
675	425	250	18.05
650	400	250	22.14
625	400	225	22.56
600	375	225	27.65
575	375	200	31.12
550	350	200	32.50
525	325	200	37.47
500	300	200	38.82
480	300	180	40.00

Table 91.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	22.76
725	450	275	24.05
700	425	275	28.80
675	425	250	29.71
650	400	250	35.29
625	400	225	37.44
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 91.3

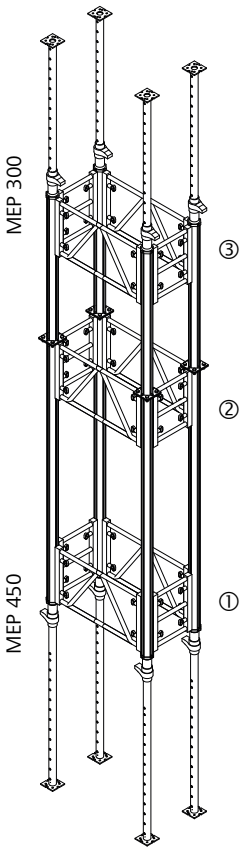

Fig. 91.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 55 x 170

- Props: MEP 300 + 450
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	-
675	425	250	6.51
650	400	250	7.22
625	400	225	8.52
600	375	225	13.58
575	375	200	18.75
550	350	200	18.57
525	325	200	24.36
500	300	200	25.21
480	300	180	29.13

Table 92.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	8.51
725	450	275	10.55
700	425	275	13.06
675	425	250	15.45
650	400	250	18.95
625	400	225	19.70
600	375	225	24.74
575	375	200	28.61
550	350	200	29.68
525	325	200	33.83
500	300	200	35.94
480	300	180	39.21

Table 92.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	22.74
725	450	275	24.02
700	425	275	28.76
675	425	250	29.67
650	400	250	35.25
625	400	225	37.38
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 92.3

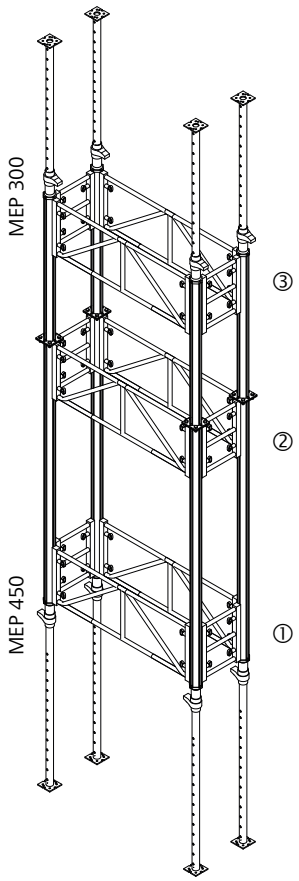

Fig. 92.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 55 x 220

- Props: MEP 300 + 450
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	-
675	425	250	-
650	400	250	-
625	400	225	-
600	375	225	8.53
575	375	200	14.09
550	350	200	13.84
525	325	200	18.73
500	300	200	19.47
480	300	180	24.82

Table 93.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	8.22
700	425	275	10.02
675	425	250	12.94
650	400	250	15.80
625	400	225	16.57
600	375	225	20.89
575	375	200	26.13
550	350	200	26.77
525	325	200	31.13
500	300	200	32.07
480	300	180	36.59

Table 93.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	22.72
725	450	275	24.00
700	425	275	28.74
675	425	250	29.65
650	400	250	35.21
625	400	225	37.32
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 93.3

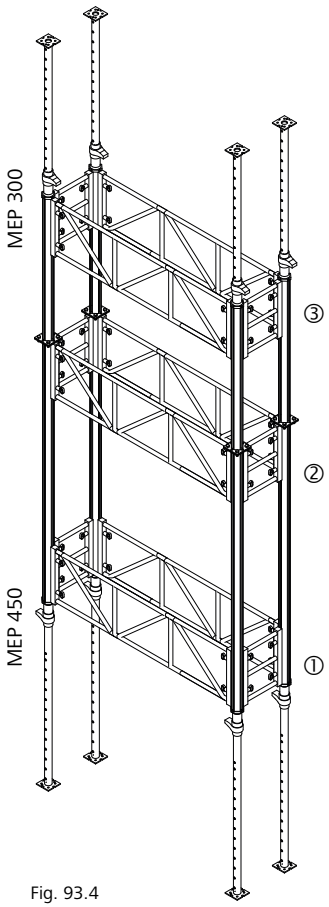

Fig. 93.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 110 x 110

- Props: MEP 300 + 450
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	11.23
700	425	275	20.34
675	425	250	23.47
650	400	250	27.88
625	400	225	31.22
600	375	225	38.26
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 94.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	14.72
725	450	275	19.80
700	425	275	25.78
675	425	250	28.38
650	400	250	33.54
625	400	225	38.39
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 94.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	24.74
725	450	275	28.40
700	425	275	33.27
675	425	250	36.20
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 94.3

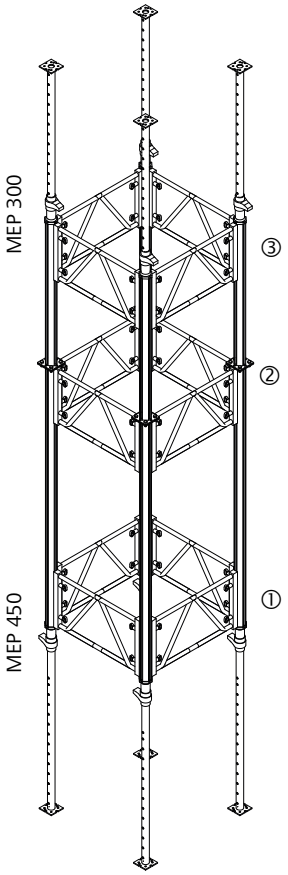

Fig. 94.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 110 x 170

- Props: MEP 300 + 450
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	17.43
675	425	250	20.91
650	400	250	24.69
625	400	225	27.60
600	375	225	34.76
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 95.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	11.49
725	450	275	17.53
700	425	275	23.85
675	425	250	26.80
650	400	250	31.66
625	400	225	36.22
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 95.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	24.73
725	450	275	28.40
700	425	275	33.26
675	425	250	36.19
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 95.3

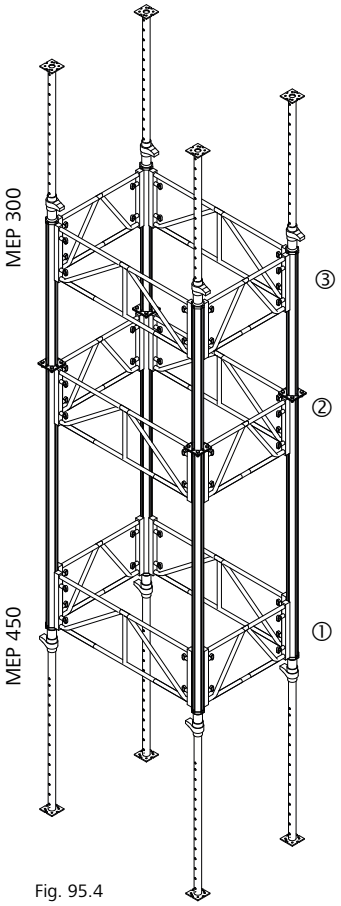

Fig. 95.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 110 x 220

- Props: MEP 300 + 450
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	14.47
675	425	250	18.32
650	400	250	20.86
625	400	225	23.48
600	375	225	30.45
575	375	200	38.61
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 96.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	14.83
700	425	275	22.13
675	425	250	25.22
650	400	250	29.75
625	400	225	33.28
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 96.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	24.72
725	450	275	28.39
700	425	275	33.25
675	425	250	36.19
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 96.3

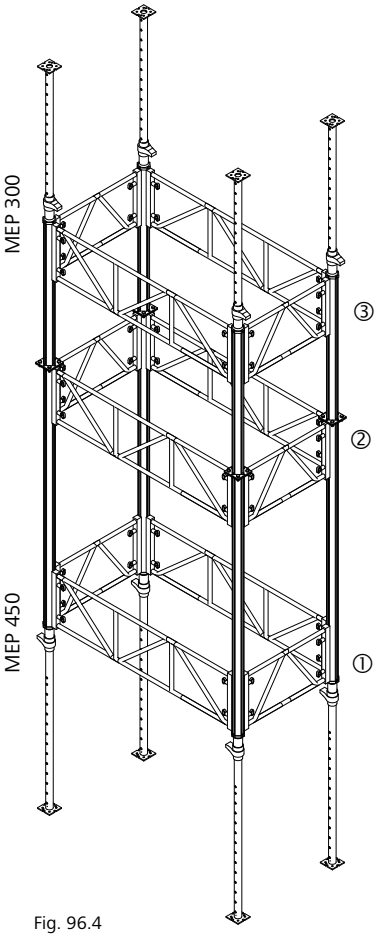

Fig. 96.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 170 x 170

- Props: MEP 300 + 450
- MEP frame: 170
- Basic dimension: 1 70 x 170 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	22.18
675	425	250	25.94
650	400	250	31.38
625	400	225	37.86
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 97.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	12.20
725	450	275	19.18
700	425	275	26.98
675	425	250	30.56
650	400	250	36.09
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 97.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	25.94
725	450	275	30.43
700	425	275	35.23
675	425	250	38.79
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 97.3

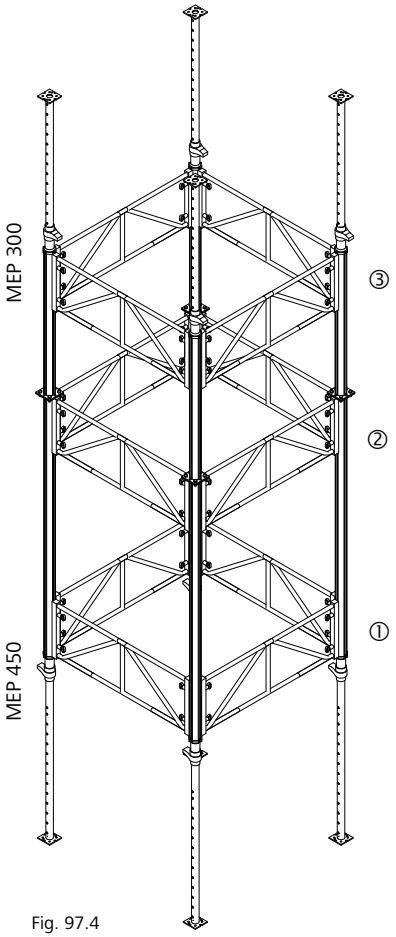

Fig. 97.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 170 x 220

- Props: MEP 300 + 450
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	18.05
675	425	250	24.00
650	400	250	29.36
625	400	225	34.49
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 98.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	6.13
725	450	275	16.40
700	425	275	25.71
675	425	250	29.27
650	400	250	34.75
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 98.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	25.93
725	450	275	30.42
700	425	275	35.22
675	425	250	38.78
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 98.3

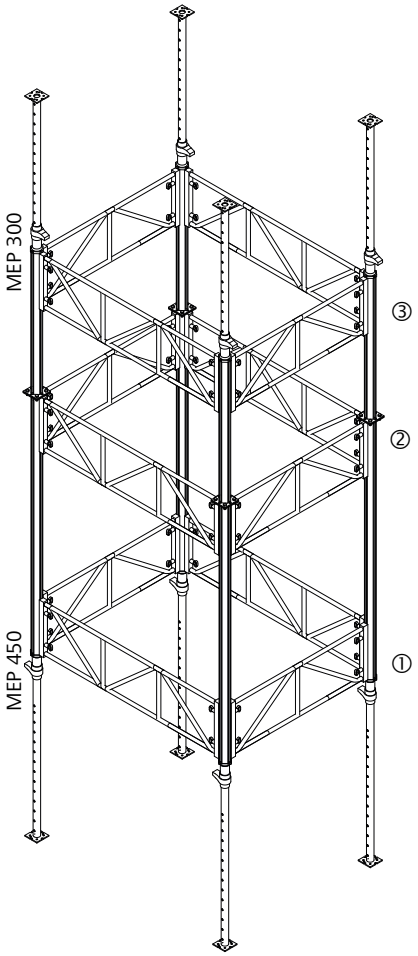

Fig. 98.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

MEP 300 + MEP 450 – Tower 220 x 220

- Props: MEP 300 + 450
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 480 to 750 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	-
700	425	275	16.31
675	425	250	23.52
650	400	250	28.86
625	400	225	33.63
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 99.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	-
725	450	275	15.50
700	425	275	25.44
675	425	250	29.06
650	400	250	34.53
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 99.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
750	450	300	26.19
725	450	275	30.60
700	425	275	35.42
675	425	250	39.01
650	400	250	40.00
625	400	225	40.00
600	375	225	40.00
575	375	200	40.00
550	350	200	40.00
525	325	200	40.00
500	300	200	40.00
480	300	180	40.00

Table 99.3

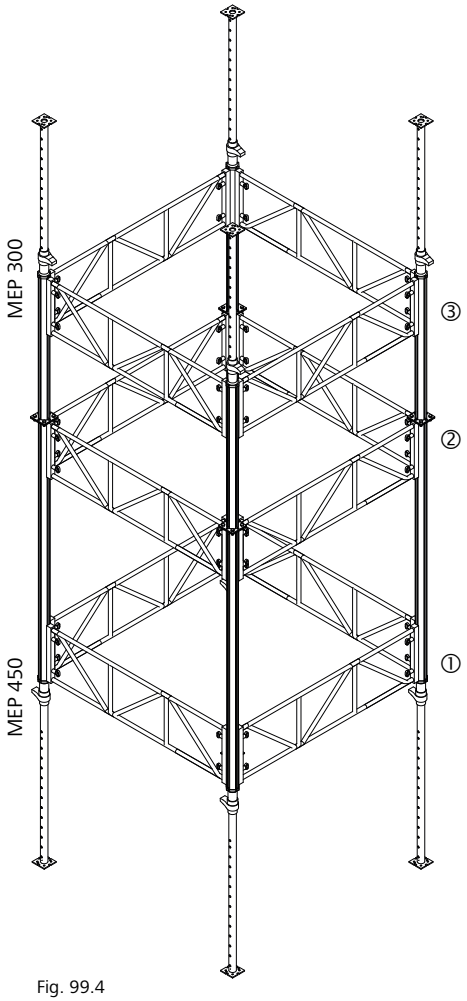

Fig. 99.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 55 x 55

- Props: 2 x MEP 450
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	4.88
800	425	375	7.21
775	400	375	8.13
750	400	350	11.20
725	375	350	14.52
700	375	325	16.27
675	375	300	19.67
650	350	300	20.43
625	325	300	20.46
600	300	300	19.13

Table 100.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	7.23
875	425	450	7.50
850	425	425	10.31
825	425	400	12.99
800	425	375	15.62
775	400	375	16.95
750	400	350	19.82
725	375	350	22.80
700	375	325	25.00
675	375	300	28.23
650	350	300	29.14
625	325	300	29.31
600	300	300	28.04

Table 100.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	18.32
875	425	450	19.80
850	425	425	23.13
825	425	400	26.22
800	425	375	29.06
775	400	375	30.72
750	400	350	33.63
725	375	350	37.00
700	375	325	38.35
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 100.3

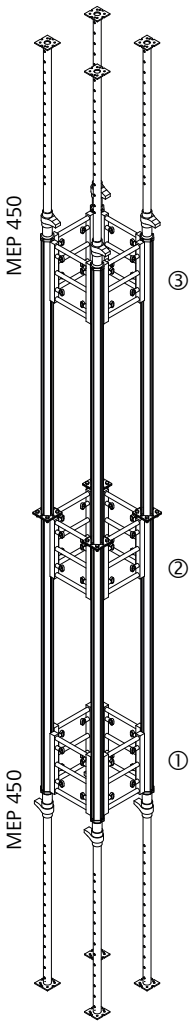

Fig. 100.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 55 x 110

- Props: 2 x MEP 450
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	5.00
775	400	375	6.03
750	400	350	9.15
725	375	350	12.56
700	375	325	14.15
675	375	300	17.75
650	350	300	18.61
625	325	300	18.59
600	300	300	17.15

Table 101.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	6.39
850	425	425	9.15
825	425	400	11.79
800	425	375	14.44
775	400	375	15.64
750	400	350	18.53
725	375	350	21.46
700	375	325	23.18
675	375	300	27.07
650	350	300	27.95
625	325	300	28.09
600	300	300	26.79

Table 101.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	18.31
875	425	450	19.77
850	425	425	23.11
825	425	400	26.19
800	425	375	29.04
775	400	375	30.68
750	400	350	33.62
725	375	350	36.95
700	375	325	38.31
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 101.3

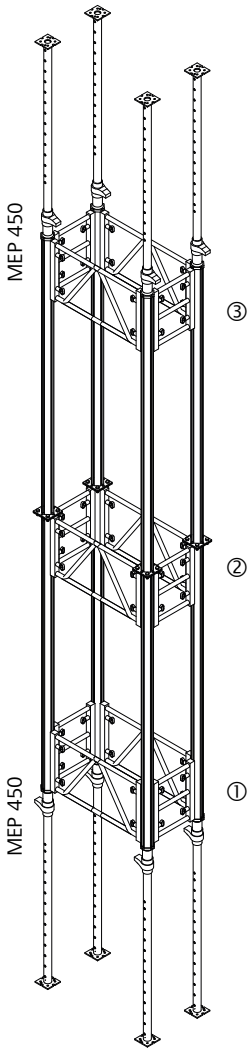

Fig. 101.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 55 x 170

- Props: 2 x MEP 450
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	-
775	400	375	-
750	400	350	4.61
725	375	350	7.58
700	375	325	9.35
675	375	300	13.23
650	350	300	14.42
625	325	300	14.30
600	300	300	13.62

Table 102.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	6.47
825	425	400	9.10
800	425	375	11.77
775	400	375	12.68
750	400	350	15.64
725	375	350	18.80
700	375	325	20.47
675	375	300	24.48
650	350	300	25.33
625	325	300	25.40
600	300	300	23.24

Table 102.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	18.28
875	425	450	19.75
850	425	425	23.09
825	425	400	26.17
800	425	375	29.00
775	400	375	30.63
750	400	350	33.57
725	375	350	36.90
700	375	325	38.25
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 102.3

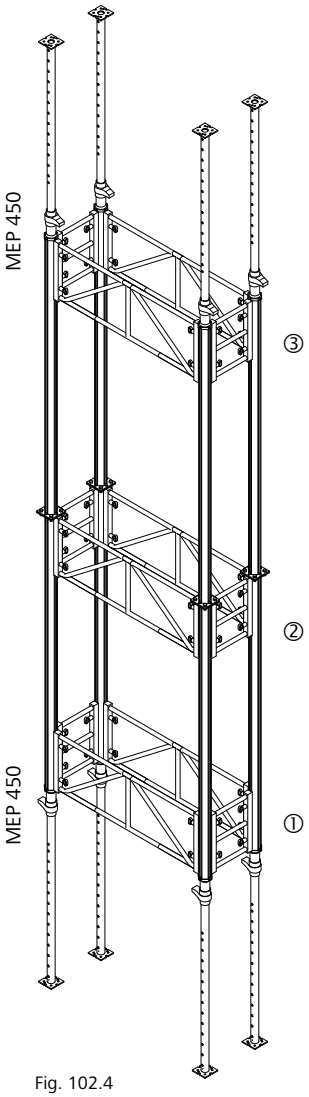

Fig. 102.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 55 x 220

- Props: 2 x MEP 450
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	-
775	400	375	-
750	400	350	-
725	375	350	2.70
700	375	325	4.70
675	375	300	8.74
650	350	300	10.19
625	325	300	10.06
600	300	300	10.48

Table 103.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	6.45
800	425	375	9.10
775	400	375	9.78
750	400	350	12.80
725	375	350	16.06
700	375	325	17.78
675	375	300	21.02
650	350	300	21.80
625	325	300	21.88
600	300	300	20.63

Table 103.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	18.26
875	425	450	19.73
850	425	425	23.06
825	425	400	26.12
800	425	375	28.99
775	400	375	30.61
750	400	350	33.52
725	375	350	36.84
700	375	325	38.19
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 103.3

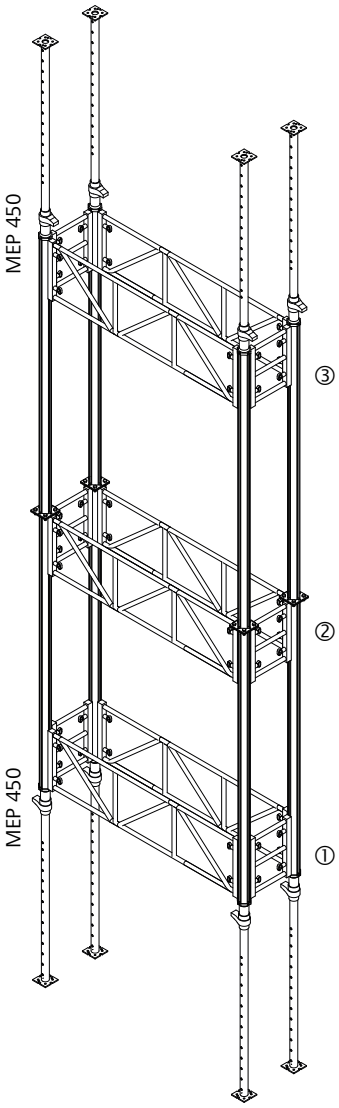

Fig. 103.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 110 x 110

- Props: 2 x MEP 450
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	13.09
825	425	400	16.28
800	425	375	19.00
775	400	375	21.35
750	400	350	25.42
725	375	350	28.48
700	375	325	32.55
675	375	300	37.47
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 104.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	6.24
875	425	450	10.95
850	425	425	18.67
825	425	400	21.92
800	425	375	25.16
775	400	375	27.85
750	400	350	31.46
725	375	350	35.33
700	375	325	39.83
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 104.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	19.65
875	425	450	21.95
850	425	425	27.33
825	425	400	31.06
800	425	375	34.67
775	400	375	38.17
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 104.3

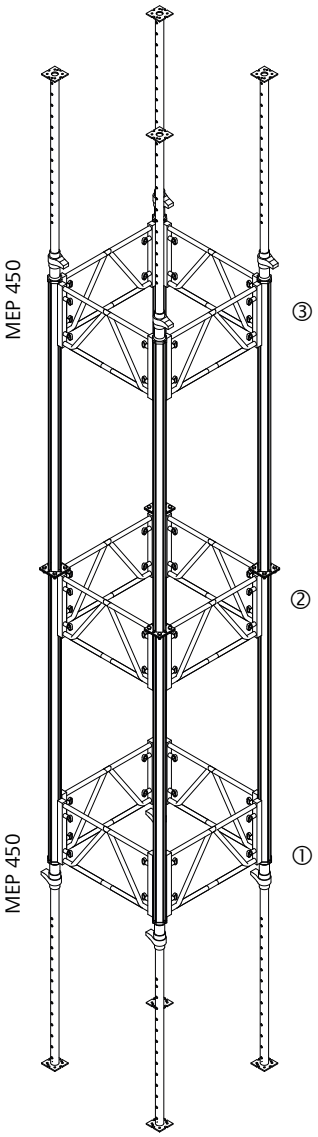

Fig. 104.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 110 x 170

- Props: 2 x MEP 450
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	13.59
800	425	375	16.12
775	400	375	18.44
750	400	350	21.90
725	375	350	25.40
700	375	325	29.52
675	375	300	34.51
650	350	300	38.99
625	325	300	40.00
600	300	300	40.00

Table 105.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	7.17
850	425	425	17.03
825	425	400	20.20
800	425	375	23.19
775	400	375	26.05
750	400	350	29.55
725	375	350	33.01
700	375	325	37.82
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 105.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	19.64
875	425	450	21.95
850	425	425	27.32
825	425	400	31.04
800	425	375	34.65
775	400	375	38.16
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 105.3

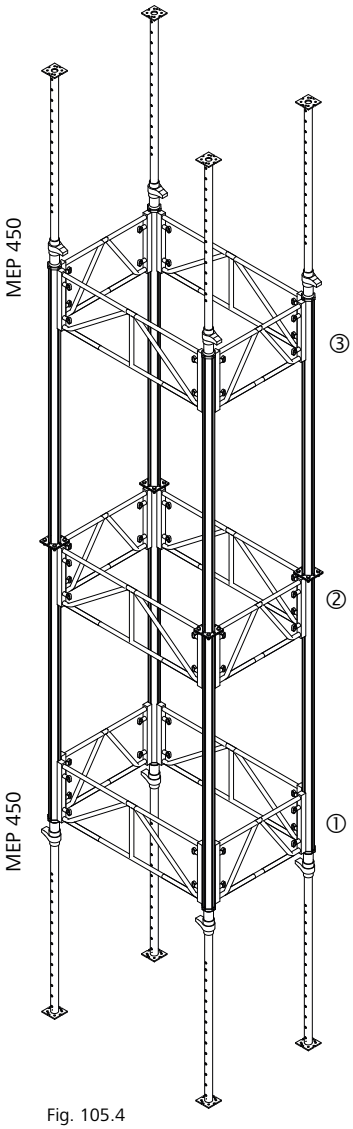

Fig. 105.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 110 x 220

- Props: 2 x MEP 450
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	12.97
775	400	375	15.55
750	400	350	19.10
725	375	350	21.87
700	375	325	26.48
675	375	300	30.60
650	350	300	35.83
625	325	300	38.85
600	300	300	39.24

Table 106.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	15.43
825	425	400	18.57
800	425	375	21.47
775	400	375	23.86
750	400	350	27.86
725	375	350	31.11
700	375	325	35.86
675	375	300	39.93
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 106.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	19.64
875	425	450	21.94
850	425	425	27.32
825	425	400	31.03
800	425	375	34.65
775	400	375	38.15
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 106.3

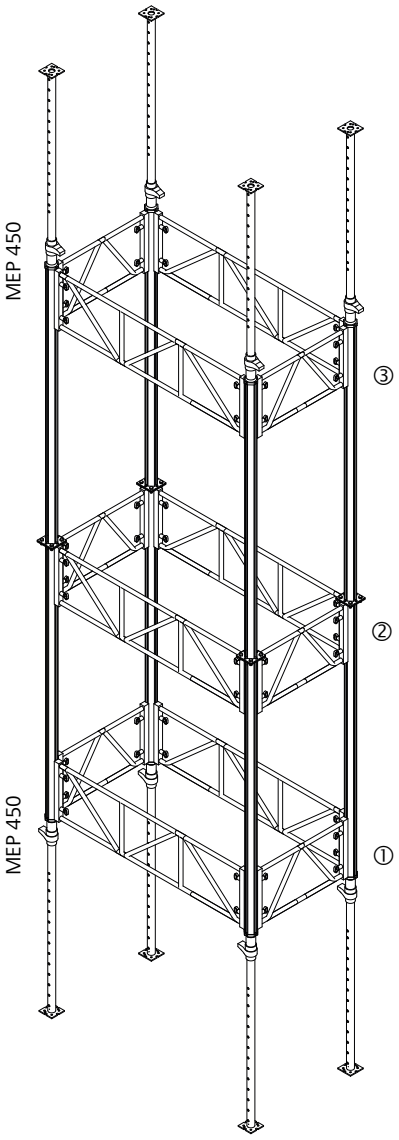

Fig. 106.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 170 x 170

- Props: 2 x MEP 450
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	10.19
825	425	400	16.18
800	425	375	20.41
775	400	375	26.77
750	400	350	31.07
725	375	350	35.77
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 107.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	8.60
850	425	425	21.59
825	425	400	25.26
800	425	375	28.85
775	400	375	33.57
750	400	350	38.26
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 107.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	20.74
875	425	450	23.45
850	425	425	29.15
825	425	400	33.34
800	425	375	38.05
775	400	375	40.00
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 107.3

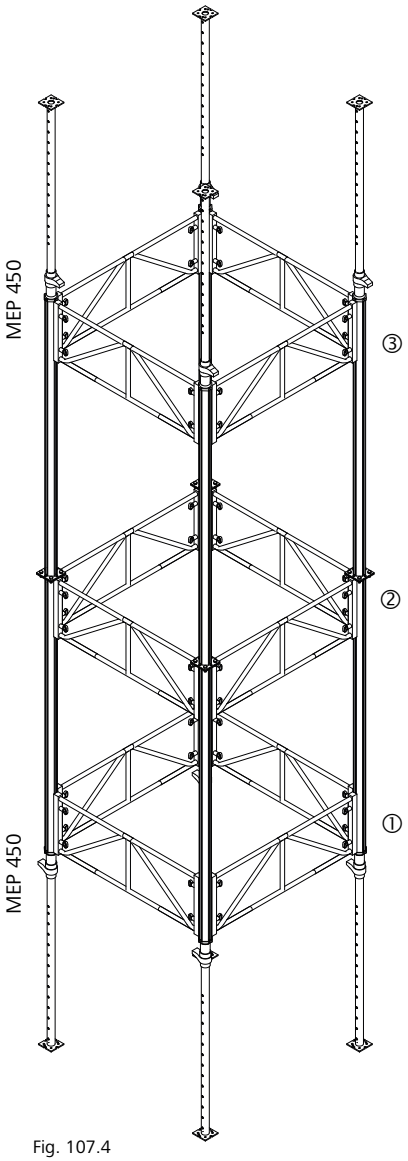

Fig. 107.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 170 x 220

- Props: 2 x MEP 450
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	15.12
775	400	375	23.66
750	400	350	28.49
725	375	350	32.39
700	375	325	37.90
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 108.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	19.67
825	425	400	23.43
800	425	375	27.07
775	400	375	31.76
750	400	350	36.61
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 108.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	20.74
875	425	450	23.45
850	425	425	29.14
825	425	400	33.34
800	425	375	38.03
775	400	375	40.00
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 108.3

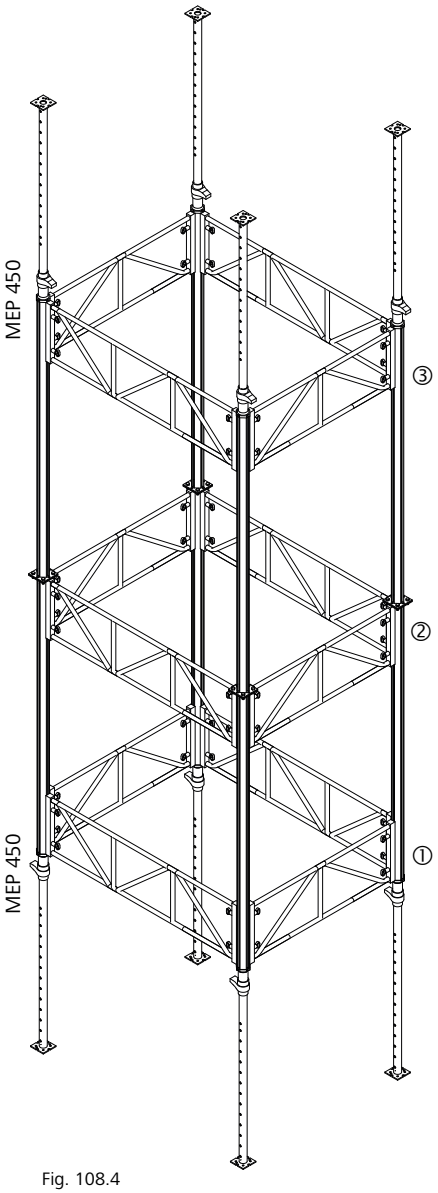

Fig. 108.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 450 – Tower 220 x 220

- Props: 2 x MEP 450
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 600 to 900 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	-
825	425	400	-
800	425	375	14.79
775	400	375	22.76
750	400	350	27.74
725	375	350	31.81
700	375	325	37.13
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 109.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	-
875	425	450	-
850	425	425	19.45
825	425	400	23.50
800	425	375	27.32
775	400	375	31.31
750	400	350	36.36
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 109.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
900	450	450	20.80
875	425	450	23.57
850	425	425	29.27
825	425	400	33.50
800	425	375	38.53
775	400	375	40.00
750	400	350	40.00
725	375	350	40.00
700	375	325	40.00
675	375	300	40.00
650	350	300	40.00
625	325	300	40.00
600	300	300	40.00

Table 109.3

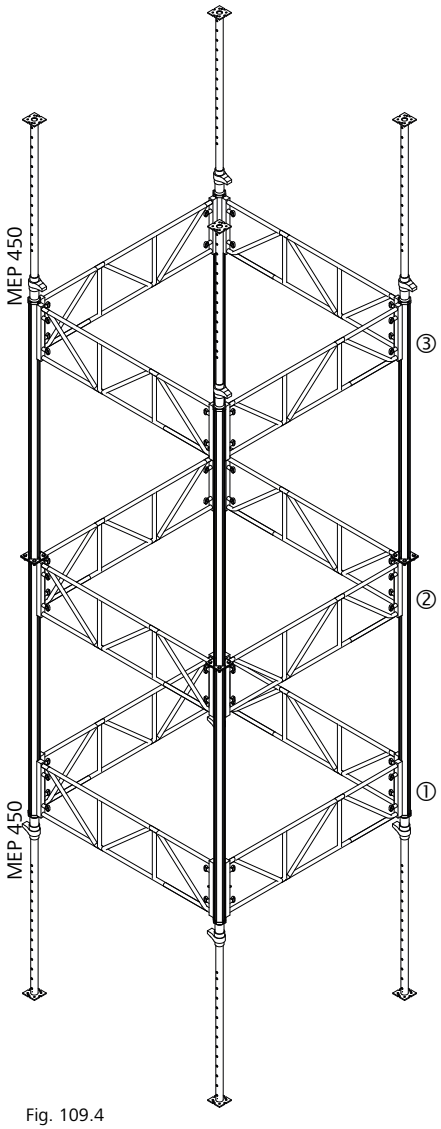

Fig. 109.4

Position of frame

① As low as possible

② Below the prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 55 x 55

- Props: 2 x MEP 300, ext. 120
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	6.39
695	300	275	10.34
670	300	250	10.63
645	275	250	15.06
620	275	225	17.82
595	275	200	20.60
570	250	200	24.36
545	225	200	27.58
520	200	200	30.24
500	200	180	31.67
480	180	180	28.71

Table 110.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	13.02
695	300	275	17.20
670	300	250	18.96
645	275	250	22.21
620	275	225	26.34
595	275	200	28.33
570	250	200	31.68
545	225	200	35.57
520	200	200	38.46
500	200	180	40.00
480	180	180	37.10

Table 110.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	23.78
695	300	275	28.28
670	300	250	32.26
645	275	250	33.99
620	275	225	38.69
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 110.3

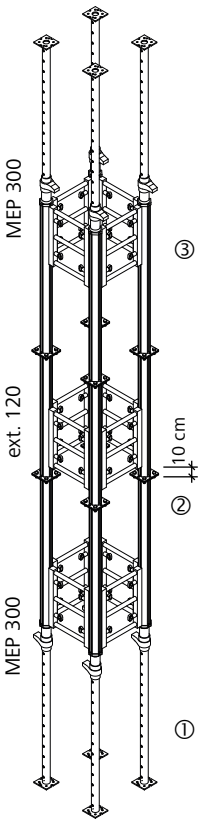

Fig. 110.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 55 x 110

- Props: 2 x MEP 300, ext. 120
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	4.59
695	300	275	8.14
670	300	250	8.30
645	275	250	13.03
620	275	225	15.70
595	275	200	18.72
570	250	200	21.19
545	225	200	25.66
520	200	200	28.33
500	200	180	29.78
480	180	180	26.68

Table 111.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	11.95
695	300	275	16.09
670	300	250	17.62
645	275	250	21.04
620	275	225	25.00
595	275	200	27.12
570	250	200	30.42
545	225	200	33.22
520	200	200	37.22
500	200	180	38.74
480	180	180	35.80

Table 111.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	23.76
695	300	275	28.25
670	300	250	32.24
645	275	250	33.94
620	275	225	38.64
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 111.3

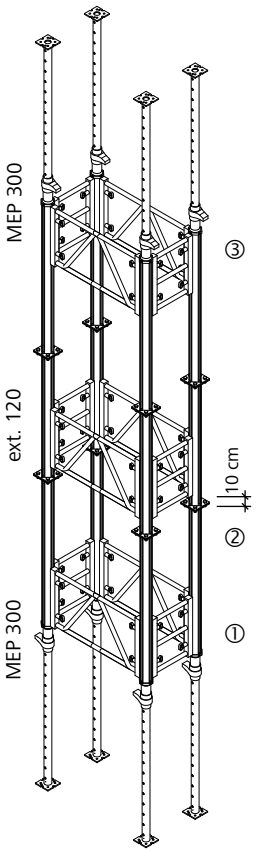

Fig. 111.4

Position of frame
① As low as possible
② 10 cm above the first prop connection
③ As high as possible

2 x MEP 300 + ext. 120 – Tower 55 x 170

- Props: 2 x MEP 300, ext. 120
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	-
670	300	250	-
645	275	250	8.54
620	275	225	10.16
595	275	200	14.22
570	250	200	16.84
545	225	200	20.22
520	200	200	24.04
500	200	180	25.35
480	180	180	20.94

Table 112.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	9.44
695	300	275	13.61
670	300	250	14.52
645	275	250	18.31
620	275	225	21.29
595	275	200	23.67
570	250	200	27.64
545	225	200	30.56
520	200	200	33.22
500	200	180	35.94
480	180	180	31.53

Table 112.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	23.74
695	300	275	28.22
670	300	250	32.14
645	275	250	33.88
620	275	225	38.57
595	275	200	39.95
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 112.3

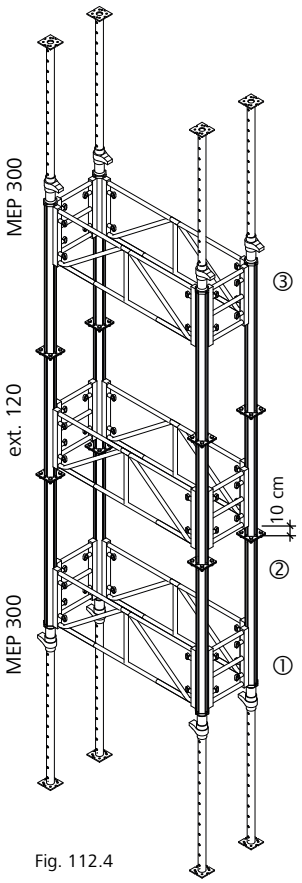

Fig. 112.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 55 x 220

- Props: 2 x MEP 300, ext. 120
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	-
670	300	250	-
645	275	250	4.14
620	275	225	4.66
595	275	200	9.65
570	250	200	12.24
545	225	200	15.93
520	200	200	18.65
500	200	180	19.84
480	180	180	16.48

Table 113.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	6.95
695	300	275	11.07
670	300	250	11.36
645	275	250	15.52
620	275	225	18.43
595	275	200	20.92
570	250	200	24.89
545	225	200	27.92
520	200	200	30.73
500	200	180	31.78
480	180	180	28.96

Table 113.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	23.71
695	300	275	28.19
670	300	250	32.13
645	275	250	33.83
620	275	225	38.51
595	275	200	39.90
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 113.3

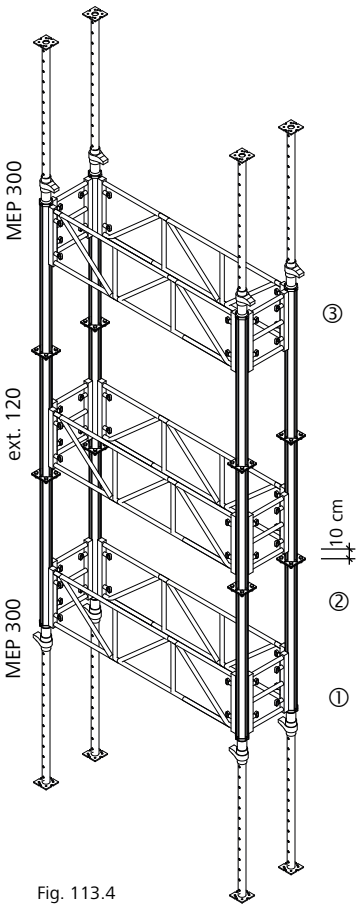

Fig. 113.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 110 x 110

- Props: 2 x MEP 300, ext. 120
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	14.02
695	300	275	19.96
670	300	250	22.55
645	275	250	28.31
620	275	225	32.35
595	275	200	38.82
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 114.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	20.76
695	300	275	26.00
670	300	250	28.78
645	275	250	33.93
620	275	225	39.20
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 114.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	28.71
695	300	275	33.53
670	300	250	38.03
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 114.3

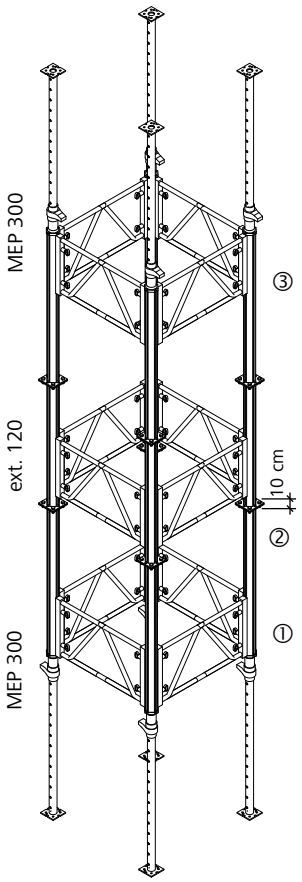

Fig. 114.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 110 x 170

- Props: 2 x MEP 300, ext. 120
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	14.83
670	300	250	19.41
645	275	250	25.51
620	275	225	28.98
595	275	200	35.66
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 115.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	19.05
695	300	275	24.08
670	300	250	26.88
645	275	250	31.81
620	275	225	37.24
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 115.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	28.70
695	300	275	33.52
670	300	250	38.01
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 115.3

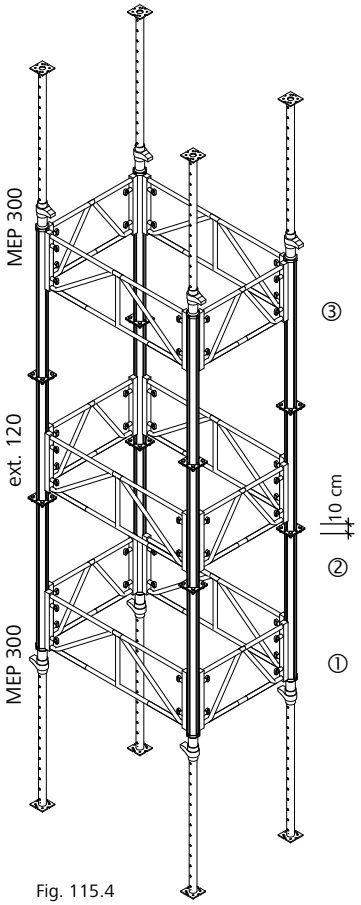

Fig. 115.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 110 x 220

- Props: 2 x MEP 300, ext. 120
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	-
670	300	250	15.70
645	275	250	21.98
620	275	225	25.64
595	275	200	31.61
570	250	200	38.28
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 116.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	16.80
695	300	275	22.03
670	300	250	25.00
645	275	250	29.98
620	275	225	35.16
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 116.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	28.69
695	300	275	33.51
670	300	250	38.00
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 116.3

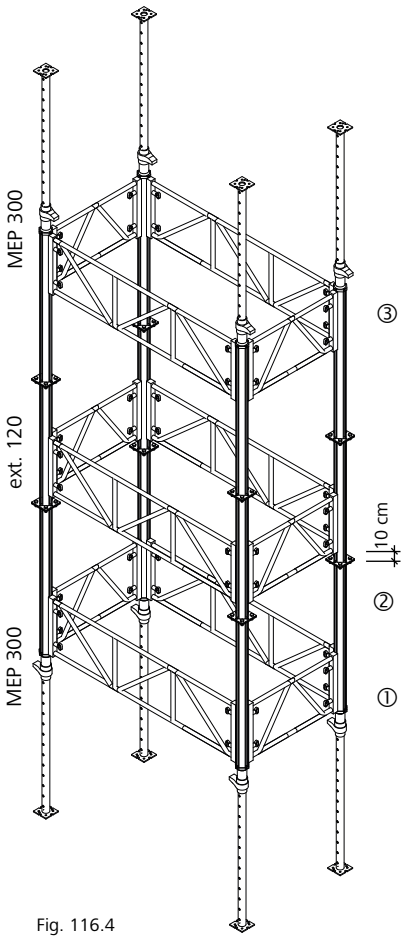

Fig. 116.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 170 x 170

- Props: 2 x MEP 300, ext. 120
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	16.20
670	300	250	24.18
645	275	250	33.50
620	275	225	39.44
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 117.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	20.16
695	300	275	25.89
670	300	250	31.87
645	275	250	38.10
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 117.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	30.70
695	300	275	35.41
670	300	250	40.00
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 117.3

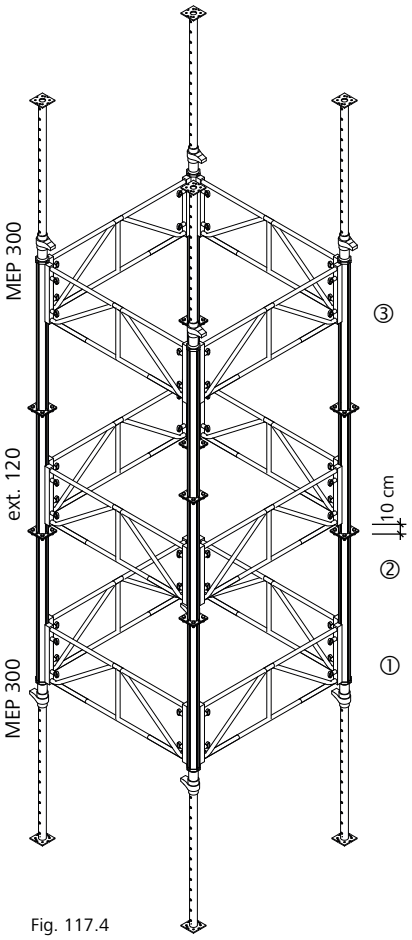

Fig. 117.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 170 x 220

- Props: 2 x MEP 300, ext. 120
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	-
670	300	250	19.31
645	275	250	31.45
620	275	225	36.47
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 118.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	17.68
695	300	275	23.79
670	300	250	29.97
645	275	250	36.83
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 118.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	30.69
695	300	275	35.40
670	300	250	40.00
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 118.3

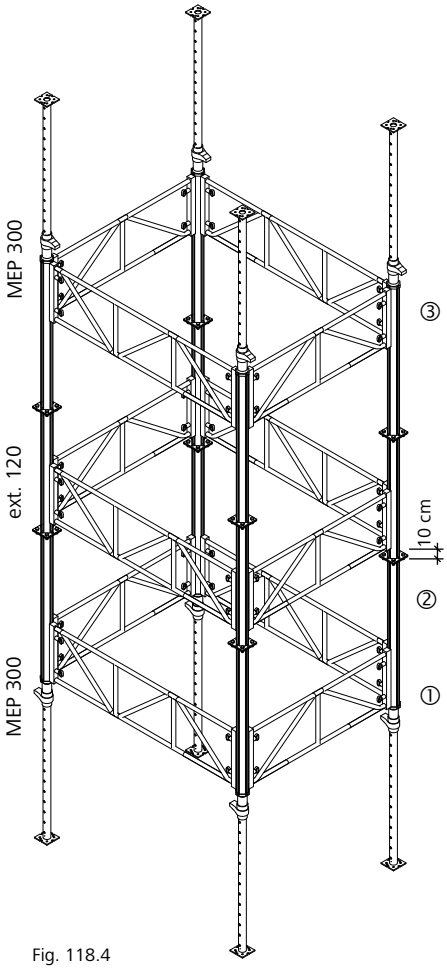

Fig. 118.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 300 + ext. 120 – Tower 220 x 220

- Props: 2 x MEP 300, ext. 120
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 480 to 720 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	-
695	300	275	-
670	300	250	19.60
645	275	250	30.92
620	275	225	35.67
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 119.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	17.36
695	300	275	23.90
670	300	250	30.41
645	275	250	36.65
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 119.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
720	300	300	30.97
695	300	275	35.80
670	300	250	40.00
645	275	250	40.00
620	275	225	40.00
595	275	200	40.00
570	250	200	40.00
545	225	200	40.00
520	200	200	40.00
500	200	180	40.00
480	180	180	40.00

Table 119.3

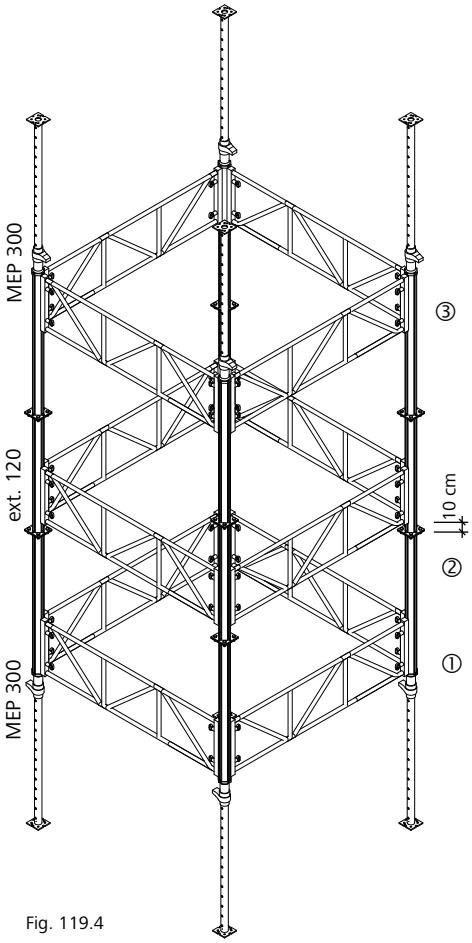

Fig. 119.4

Position of frame

① As low as possible

② 10 cm above the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 55 x 55

- Props: 2 x MEP 450, ext. 120
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	-
870	400	350	-
845	400	325	5.28
820	375	325	7.59
795	375	300	9.21
770	350	300	9.88
745	325	300	11.47
720	300	300	12.49

Table 120.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	6.83
970	425	425	7.58
945	425	400	9.20
920	425	375	10.94
895	425	350	12.42
870	400	350	14.76
845	400	325	16.22
820	375	325	17.68
795	375	300	18.93
770	350	300	19.83
745	325	300	20.99
720	300	300	20.57

Table 120.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.45
995	425	450	20.98
970	425	425	23.57
945	425	400	25.81
920	425	375	27.67
895	425	350	29.43
870	400	350	31.06
845	400	325	32.28
820	375	325	33.95
795	375	300	35.07
770	350	300	36.22
745	325	300	37.22
720	300	300	36.85

Table 120.3

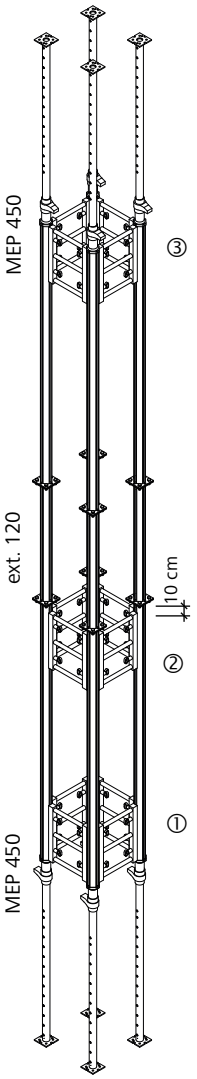

Fig. 120.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 55 x 110

- Props: 2 x MEP 450, ext. 120
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	-
870	400	350	-
845	400	325	-
820	375	325	5.43
795	375	300	7.13
770	350	300	8.14
745	325	300	9.43
720	300	300	10.90

Table 121.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	6.27
945	425	400	7.86
920	425	375	9.47
895	425	350	10.96
870	400	350	13.52
845	400	325	14.89
820	375	325	16.33
795	375	300	17.63
770	350	300	18.50
745	325	300	19.73
720	300	300	19.26

Table 121.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.26
995	425	450	20.95
970	425	425	23.55
945	425	400	25.78
920	425	375	27.63
895	425	350	29.39
870	400	350	31.01
845	400	325	32.22
820	375	325	33.90
795	375	300	35.01
770	350	300	36.17
745	325	300	37.15
720	300	300	36.78

Table 121.3

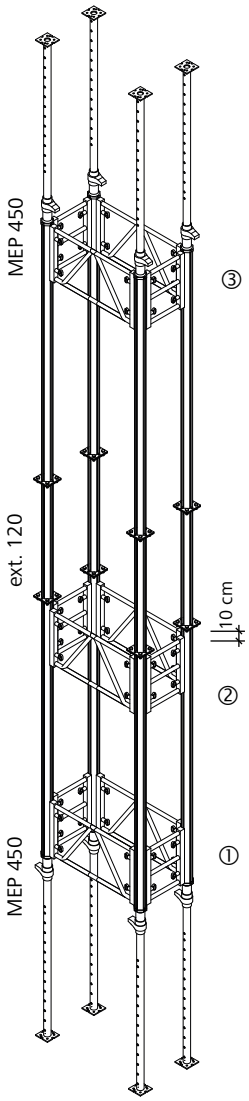

Fig. 121.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 55 x 170

- Props: 2 x MEP 450, ext. 120
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	-
870	400	350	-
845	400	325	-
820	375	325	-
795	375	300	-
770	350	300	4.24
745	325	300	5.55
720	300	300	7.41

Table 122.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	4.89
920	425	375	6.18
895	425	350	7.71
870	400	350	10.17
845	400	325	11.76
820	375	325	13.35
795	375	300	14.75
770	350	300	15.56
745	325	300	16.90
720	300	300	16.71

Table 122.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.41
995	425	450	20.93
970	425	425	23.52
945	425	400	25.75
920	425	375	27.59
895	425	350	29.34
870	400	350	30.95
845	400	325	32.16
820	375	325	33.84
795	375	300	35.00
770	350	300	36.10
745	325	300	37.08
720	300	300	36.71

Table 122.3

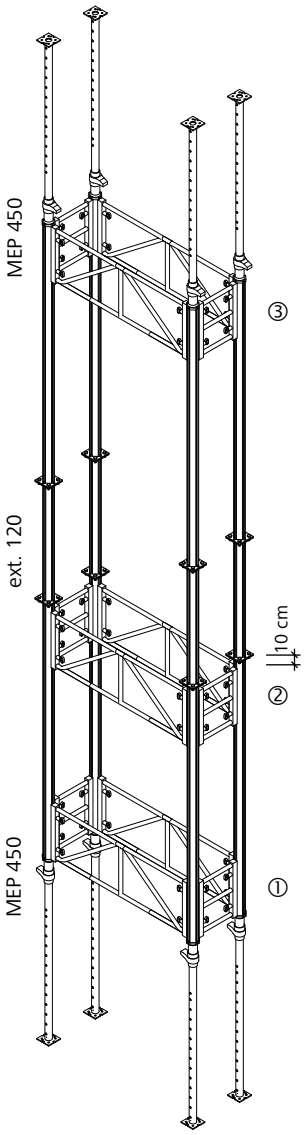

Fig. 122.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 55 x 220

- Props: 2 x MEP 450, ext. 120
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	-
870	400	350	-
845	400	325	-
820	375	325	-
795	375	300	-
770	350	300	2.20
745	325	300	2.62
720	300	300	4.28

Table 123.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	4.56
870	400	350	6.72
845	400	325	8.38
820	375	325	10.41
795	375	300	11.91
770	350	300	12.67
745	325	300	14.11
720	300	300	14.55

Table 123.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.40
995	425	450	20.91
970	425	425	23.50
945	425	400	25.72
920	425	375	27.45
895	425	350	29.29
870	400	350	30.90
845	400	325	32.09
820	375	325	33.78
795	375	300	34.91
770	350	300	36.03
745	325	300	37.01
720	300	300	36.63

Table 123.3

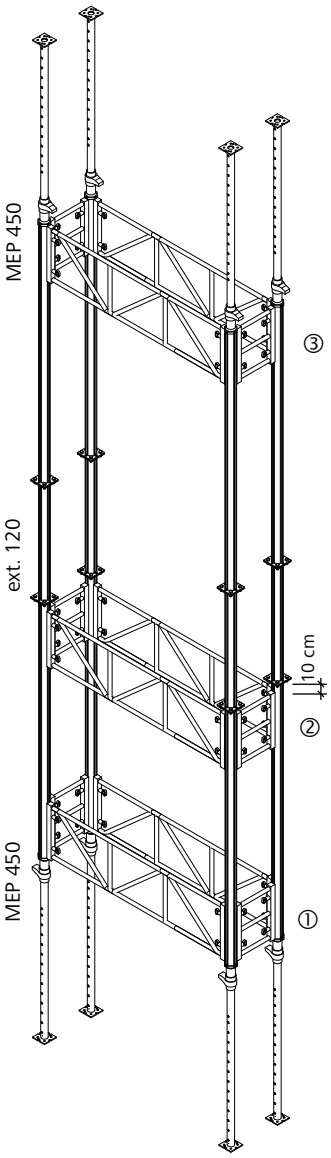

Fig. 123.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 110 x 110

- Props: 2 x MEP 450, ext. 120
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	10.36
945	425	400	12.33
920	425	375	14.61
895	425	350	16.32
870	400	350	19.80
845	400	325	21.58
820	375	325	26.48
795	375	300	28.26
770	350	300	32.57
745	325	300	34.62
720	300	300	35.83

Table 124.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	17.24
945	425	400	19.20
920	425	375	22.22
895	425	350	23.92
870	400	350	28.26
845	400	325	29.95
820	375	325	35.43
795	375	300	37.11
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 124.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.25
995	425	450	23.54
970	425	425	25.85
945	425	400	30.63
920	425	375	31.59
895	425	350	37.10
870	400	350	38.88
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 124.3

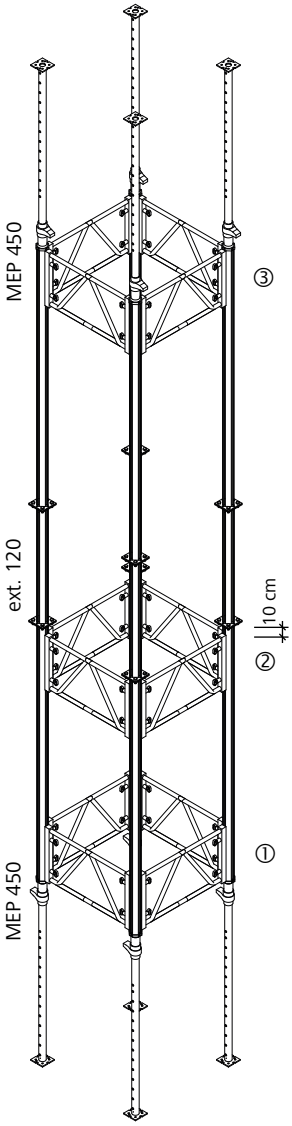

Fig. 124.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 110 x 170

- Props: 2 x MEP 450, ext. 120
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	11.35
895	425	350	13.09
870	400	350	16.36
845	400	325	18.11
820	375	325	22.50
795	375	300	24.18
770	350	300	29.46
745	325	300	31.01
720	300	300	32.69

Table 125.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	15.40
945	425	400	17.34
920	425	375	20.12
895	425	350	21.86
870	400	350	26.11
845	400	325	27.76
820	375	325	32.83
795	375	300	34.82
770	350	300	38.33
745	325	300	39.58
720	300	300	40.00

Table 125.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.25
995	425	450	23.53
970	425	425	25.85
945	425	400	30.61
920	425	375	31.59
895	425	350	37.10
870	400	350	38.88
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 125.3

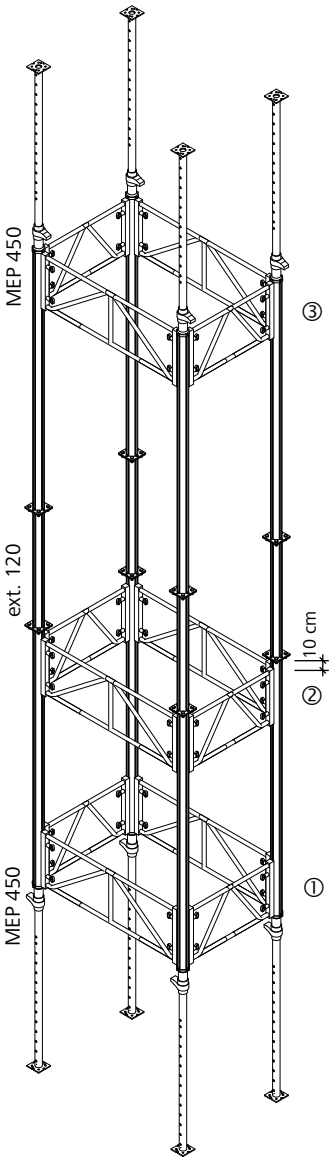

Fig. 125.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 110 x 220

- Props: 2 x MEP 450, ext. 120
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	-
895	425	350	9.96
870	400	350	12.95
845	400	325	14.73
820	375	325	18.85
795	375	300	20.70
770	350	300	26.23
745	325	300	28.04
720	300	300	29.64

Table 126.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	13.54
945	425	400	15.48
920	425	375	18.13
895	425	350	19.74
870	400	350	23.75
845	400	325	25.42
820	375	325	30.57
795	375	300	32.17
770	350	300	36.47
745	325	300	37.78
720	300	300	39.15

Table 126.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.25
995	425	450	23.52
970	425	425	25.85
945	425	400	30.60
920	425	375	31.59
895	425	350	37.08
870	400	350	38.88
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 126.3

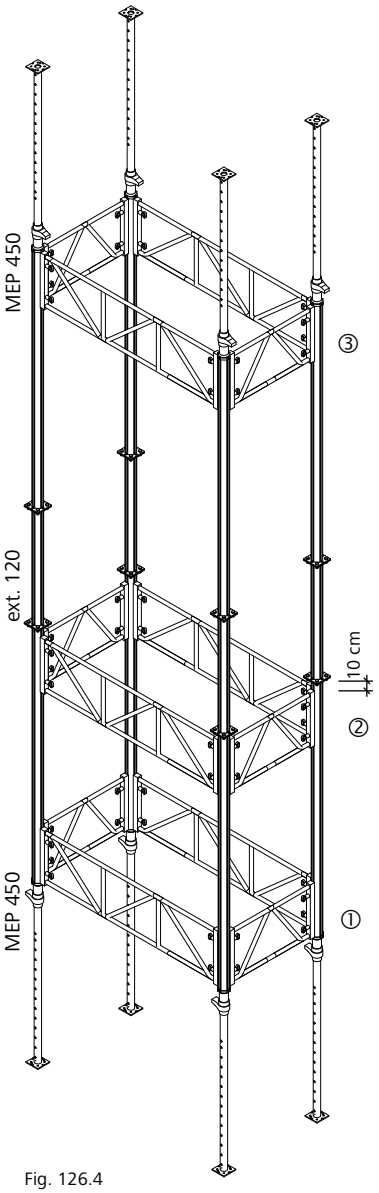

Fig. 126.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 170 x 170

- Props: 2 x MEP 450, ext. 120
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	19.88
895	425	350	21.73
870	400	350	27.22
845	400	325	28.94
820	375	325	36.36
795	375	300	38.10
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 127.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	19.37
945	425	400	23.35
920	425	375	26.38
895	425	350	30.32
870	400	350	34.38
845	400	325	38.25
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 127.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.95
995	425	450	25.18
970	425	425	26.54
945	425	400	32.23
920	425	375	32.82
895	425	350	40.00
870	400	350	40.00
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 127.3

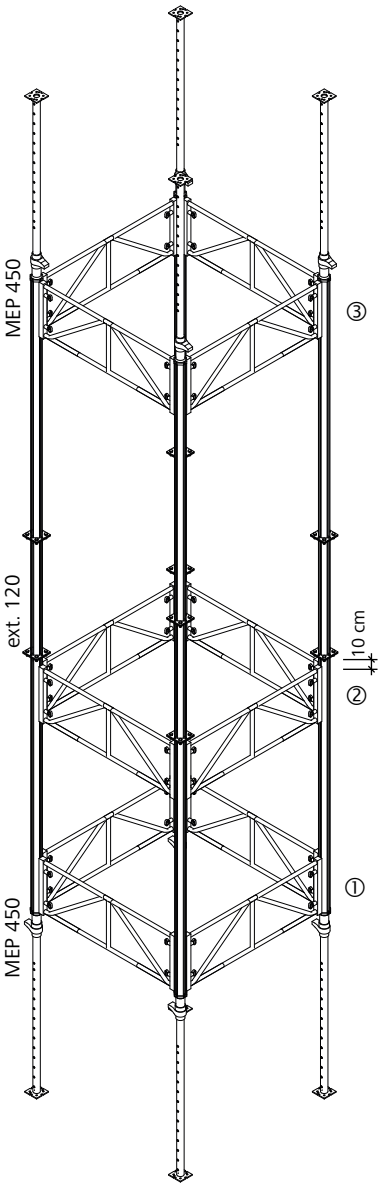

Fig. 127.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 170 x 220

- Props: 2 x MEP 450, ext. 120
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	16.72
895	425	350	18.61
870	400	350	23.48
845	400	325	25.24
820	375	325	32.99
795	375	300	34.92
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 128.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	17.99
945	425	400	21.09
920	425	375	25.48
895	425	350	28.39
870	400	350	33.57
845	400	325	36.20
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 128.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.95
995	425	450	25.17
970	425	425	26.54
945	425	400	32.23
920	425	375	32.82
895	425	350	40.00
870	400	350	40.00
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 128.3

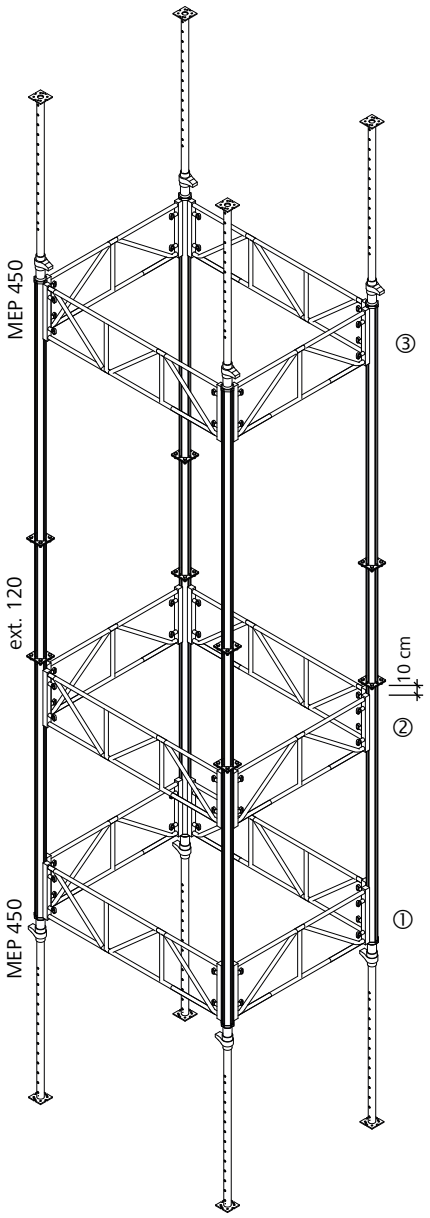

Fig. 128.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 450 + ext. 120 – Tower 220 x 220

- Props: 2 x MEP 450, ext. 120
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 720 to 1020 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	-
945	425	400	-
920	425	375	15.41
895	425	350	17.33
870	400	350	22.23
845	400	325	23.86
820	375	325	32.09
795	375	300	33.90
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 129.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	-
995	425	450	-
970	425	425	17.63
945	425	400	20.98
920	425	375	25.34
895	425	350	27.76
870	400	350	33.50
845	400	325	35.55
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 129.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1020	450	450	18.98
995	425	450	25.48
970	425	425	26.60
945	425	400	32.36
920	425	375	32.89
895	425	350	40.00
870	400	350	40.00
845	400	325	40.00
820	375	325	40.00
795	375	300	40.00
770	350	300	40.00
745	325	300	40.00
720	300	300	40.00

Table 129.3

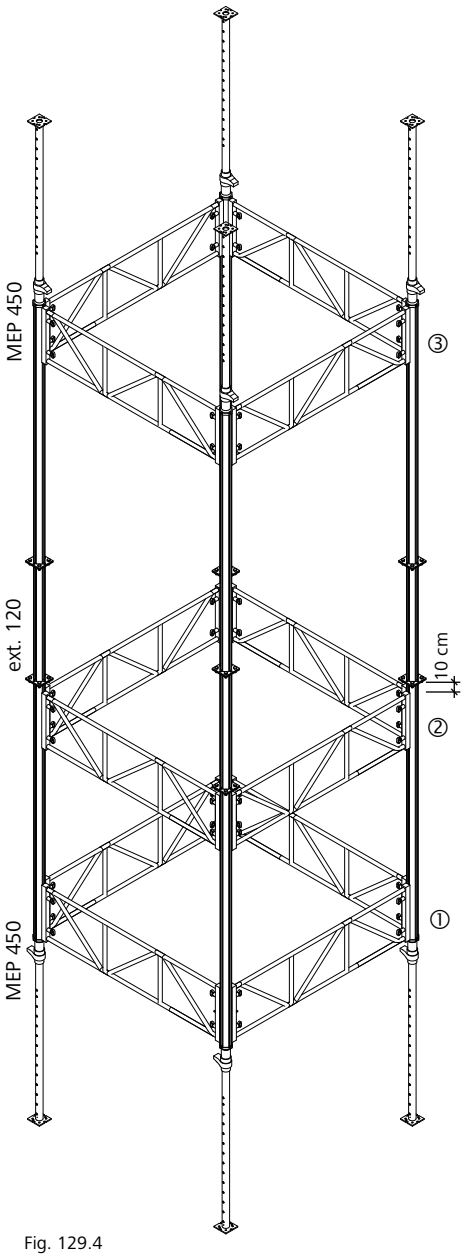

Fig. 129.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ As high as possible

2 x MEP 300 + ext. 360 – Tower 55 x 55

- Props: 2 x MEP 300, ext. 360
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	7.82
910	300	250	9.63
885	275	250	14.55
860	275	225	16.11
835	275	200	23.12
810	250	200	26.48
785	225	200	33.14
760	200	200	33.02
740	200	180	37.50
720	180	180	37.98

Table 130.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	11.96
935	300	275	15.76
910	300	250	20.03
885	275	250	22.28
860	275	225	29.49
835	275	200	30.59
810	250	200	37.76
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 130.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	21.00
935	300	275	26.39
910	300	250	33.26
885	275	250	32.78
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 130.3

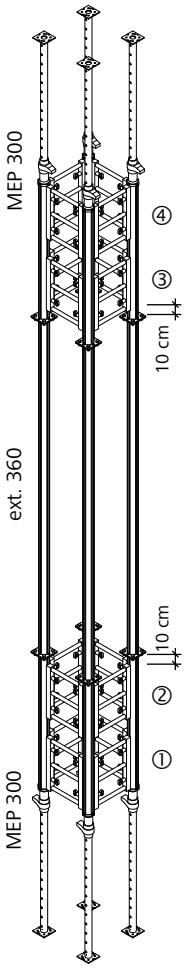

Fig. 130.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 55 x 110

- Props: 2 x MEP 300, ext. 360
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	11.32
860	275	225	13.00
835	275	200	21.19
810	250	200	23.50
785	225	200	30.00
760	200	200	31.14
740	200	180	34.55
720	180	180	35.38

Table 131.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	10.98
935	300	275	14.67
910	300	250	18.40
885	275	250	21.15
860	275	225	27.25
835	275	200	29.44
810	250	200	36.07
785	225	200	40.00
760	200	200	39.83
740	200	180	40.00
720	180	180	40.00

Table 131.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	20.99
935	300	275	26.37
910	300	250	33.24
885	275	250	32.75
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 131.3

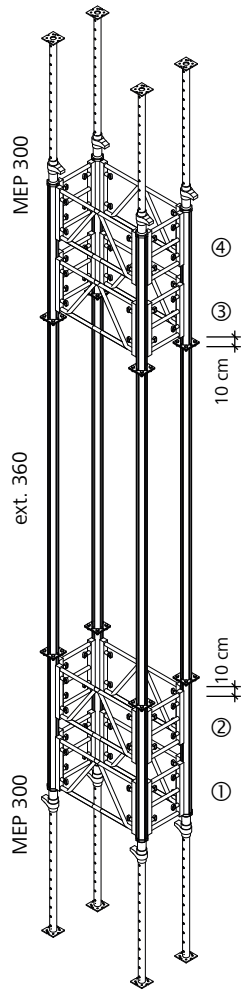

Fig. 131.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 55 x 170

- Props: 2 x MEP 300, ext. 360
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	4.13
860	275	225	6.31
835	275	200	14.03
810	250	200	15.60
785	225	200	23.53
760	200	200	26.84
740	200	180	28.17
720	180	180	28.69

Table 132.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	4.47
935	300	275	11.98
910	300	250	14.77
885	275	250	18.35
860	275	225	22.56
835	275	200	26.89
810	250	200	32.29
785	225	200	37.61
760	200	200	36.88
740	200	180	40.00
720	180	180	40.00

Table 132.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	20.97
935	300	275	26.35
910	300	250	33.22
885	275	250	32.72
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 132.3

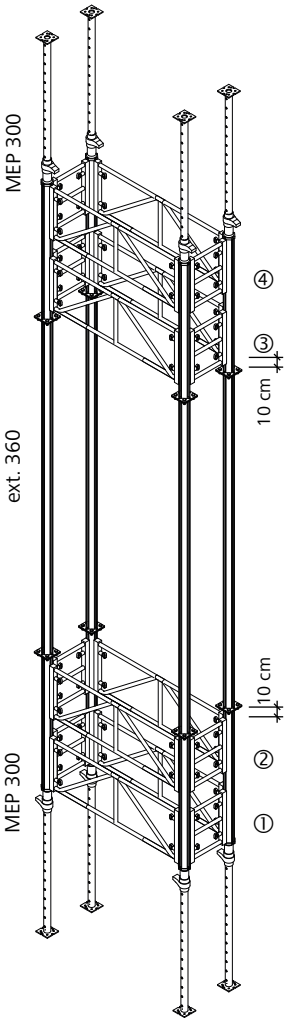

Fig. 132.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 55 x 220

- Props: 2 x MEP 300, ext. 360
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	-
860	275	225	-
835	275	200	5.78
810	250	200	7.98
785	225	200	17.13
760	200	200	20.92
740	200	180	21.75
720	180	180	21.99

Table 133.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	9.22
910	300	250	11.22
885	275	250	15.74
860	275	225	17.93
835	275	200	24.33
810	250	200	28.46
785	225	200	34.97
760	200	200	34.38
740	200	180	39.29
720	180	180	40.00

Table 133.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	20.95
935	300	275	26.33
910	300	250	33.19
885	275	250	32.70
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 133.3

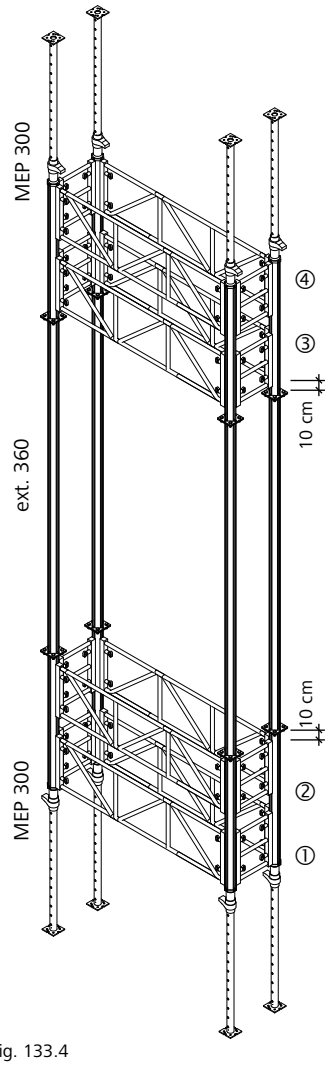

Fig. 133.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 110 x 110

- Props: 2 x MEP 300, ext. 360
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	9.95
885	275	250	26.70
860	275	225	34.24
835	275	200	38.13
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 134.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	10.41
935	300	275	23.41
910	300	250	26.97
885	275	250	31.33
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 134.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	21.63
935	300	275	29.48
910	300	250	38.39
885	275	250	37.85
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 134.3

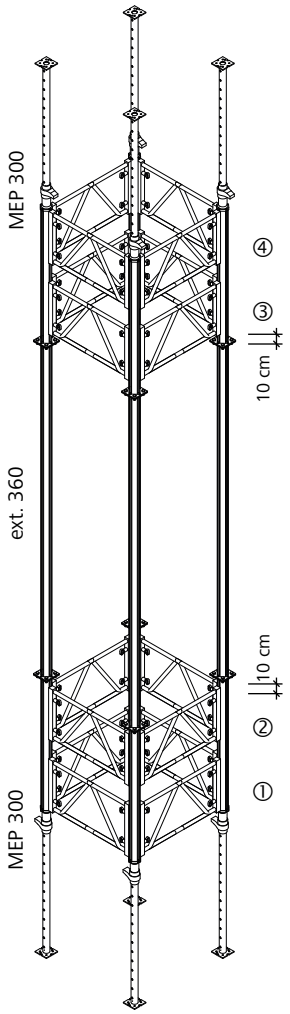

Fig. 134.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 110 x 170

- Props: 2 x MEP 300, ext. 360
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	23.90
860	275	225	30.33
835	275	200	35.10
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 135.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	21.56
910	300	250	23.39
885	275	250	30.20
860	275	225	38.80
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 135.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	21.63
935	300	275	29.48
910	300	250	38.38
885	275	250	37.85
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 135.3

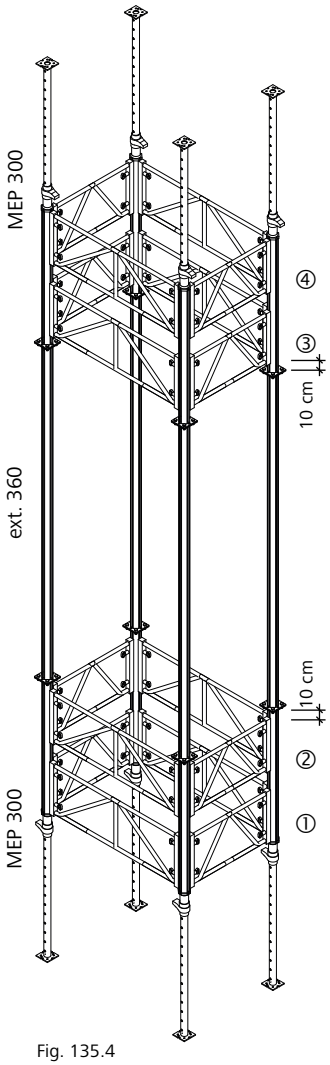

Fig. 135.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 110 x 220

- Props: 2 x MEP 300, ext. 360
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	21.01
860	275	225	26.42
835	275	200	32.44
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 136.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	19.48
910	300	250	19.60
885	275	250	28.69
860	275	225	36.78
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 136.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	21.63
935	300	275	29.48
910	300	250	38.38
885	275	250	37.85
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 136.3

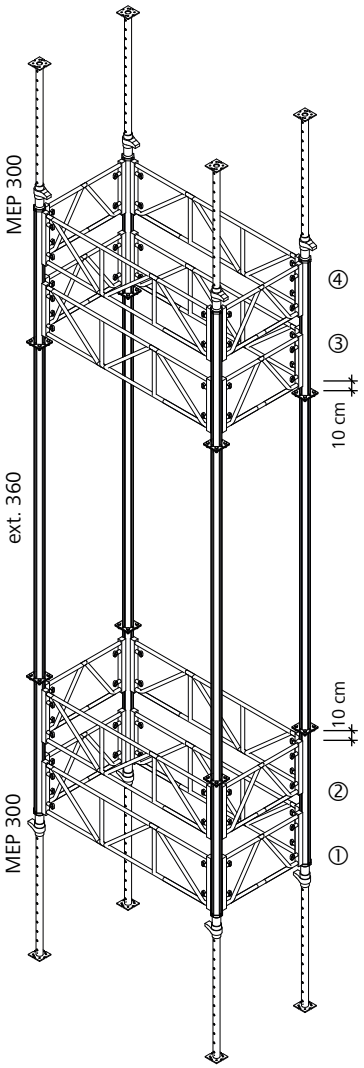

Fig. 136.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 170 x 170

- Props: 2 x MEP 300, ext. 360
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	26.70
860	275	225	32.93
835	275	200	39.97
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 137.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	22.67
910	300	250	24.70
885	275	250	31.29
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 137.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	22.38
935	300	275	30.61
910	300	250	40.00
885	275	250	39.42
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 137.3

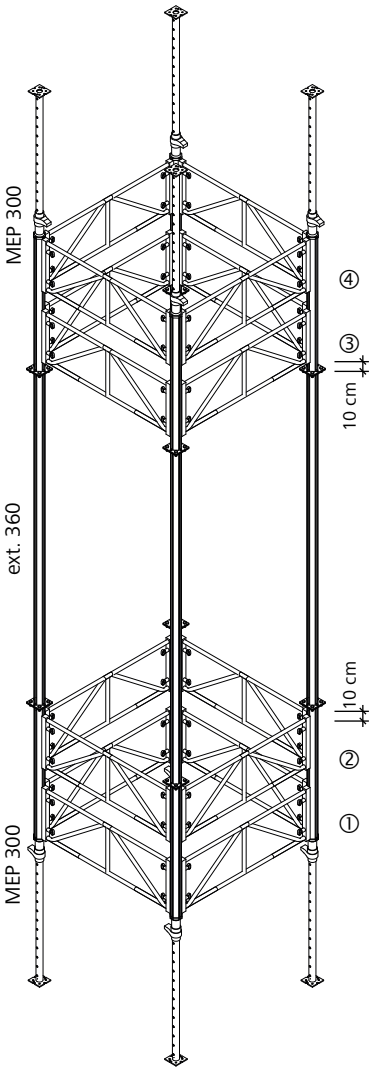

Fig. 137.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 170 x 220

- Props: 2 x MEP 300, ext. 360
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	24.70
860	275	225	30.10
835	275	200	38.20
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 138.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	20.68
910	300	250	20.76
885	275	250	30.16
860	275	225	38.68
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 138.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	22.38
935	300	275	30.61
910	300	250	40.00
885	275	250	39.42
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 138.3

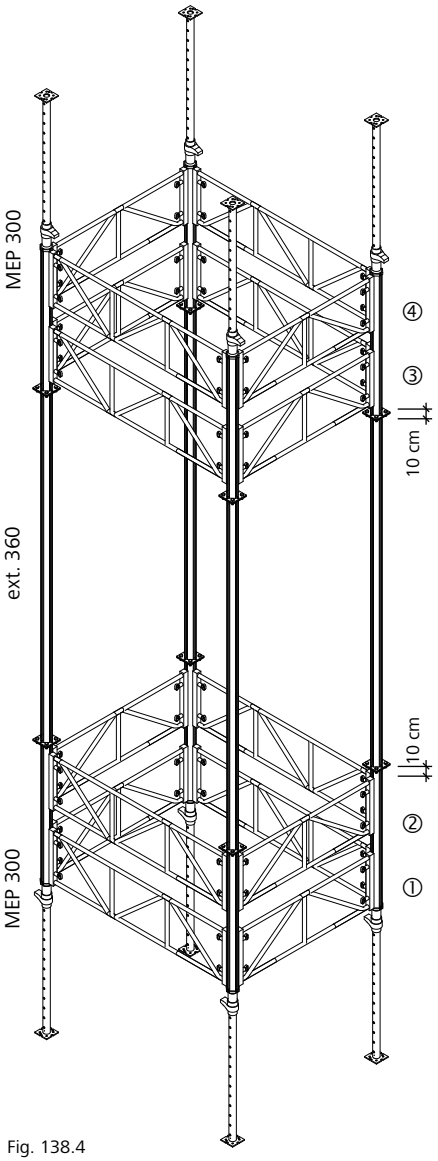

Fig. 138.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 300 + ext. 360 – Tower 220 x 220

- Props: 2 x MEP 300, ext. 360
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 720 to 960 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	-
910	300	250	-
885	275	250	24.25
860	275	225	29.59
835	275	200	38.07
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 139.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	-
935	300	275	20.33
910	300	250	20.12
885	275	250	30.11
860	275	225	38.43
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 139.2

Without wind			
Total length (cm)	MEP 300 bottom, extension length (cm)	MEP 300 top, extension length (cm)	Perm. load (kN)
960	300	300	22.51
935	300	275	30.80
910	300	250	40.00
885	275	250	39.74
860	275	225	40.00
835	275	200	40.00
810	250	200	40.00
785	225	200	40.00
760	200	200	40.00
740	200	180	40.00
720	180	180	40.00

Table 139.3

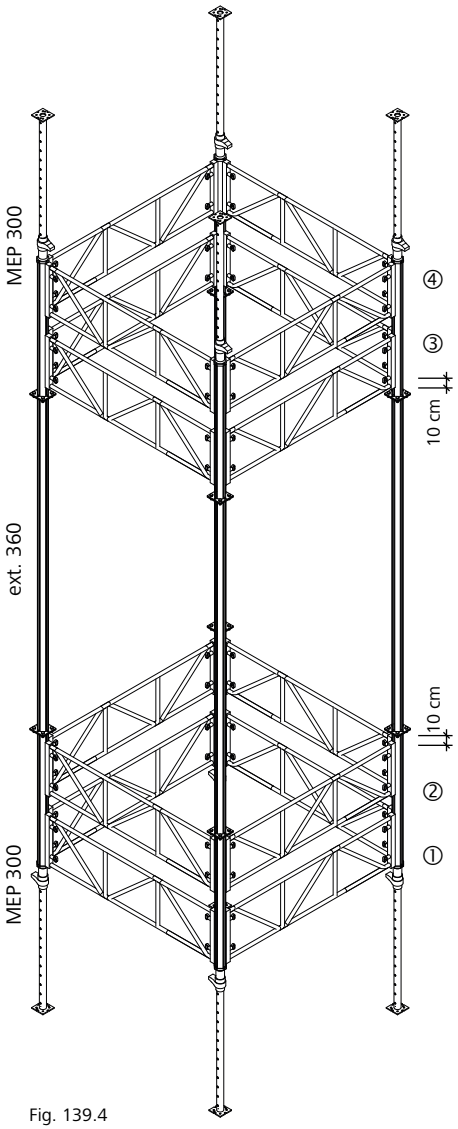

Fig. 139.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 55 x 55

- Props: 2 x MEP 450, ext. 360
- MEP frame: 55
- Basic dimension: 55 x 55 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	-
1060	375	325	0.45
1035	375	300	2.18
1010	350	300	3.59
985	325	300	5.51
960	300	300	7.71

Table 140.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	4.89
1160	425	375	6.24
1135	425	350	7.33
1110	400	350	10.10
1085	400	325	13.93
1060	375	325	14.39
1035	375	300	17.26
1010	350	300	17.70
985	325	300	19.52
960	300	300	19.60

Table 140.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.24
1235	425	450	18.22
1210	425	425	21.42
1185	425	400	21.26
1160	425	375	25.46
1135	425	350	30.43
1110	400	350	29.95
1085	400	325	29.55
1060	375	325	29.19
1035	375	300	34.77
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 140.3

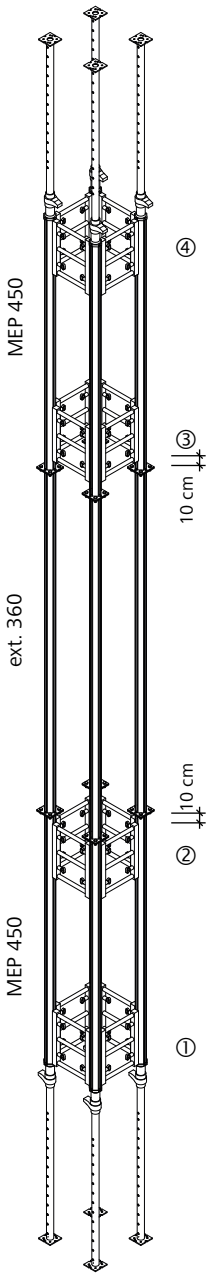

Fig. 140.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 55 x 110

- Props: 2 x MEP 450, ext. 360
- MEP frame: 55, 110
- Basic dimension: 55 x 110 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	-
1060	375	325	-
1035	375	300	-
1010	350	300	0.54
985	325	300	3.16
960	300	300	6.01

Table 141.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	3.04
1160	425	375	4.39
1135	425	350	5.56
1110	400	350	8.01
1085	400	325	11.79
1060	375	325	13.16
1035	375	300	15.35
1010	350	300	15.93
985	325	300	17.62
960	300	300	17.59

Table 141.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.01
1235	425	450	18.21
1210	425	425	21.40
1185	425	400	21.25
1160	425	375	25.44
1135	425	350	30.41
1110	400	350	29.93
1085	400	325	29.52
1060	375	325	29.16
1035	375	300	34.74
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 141.3

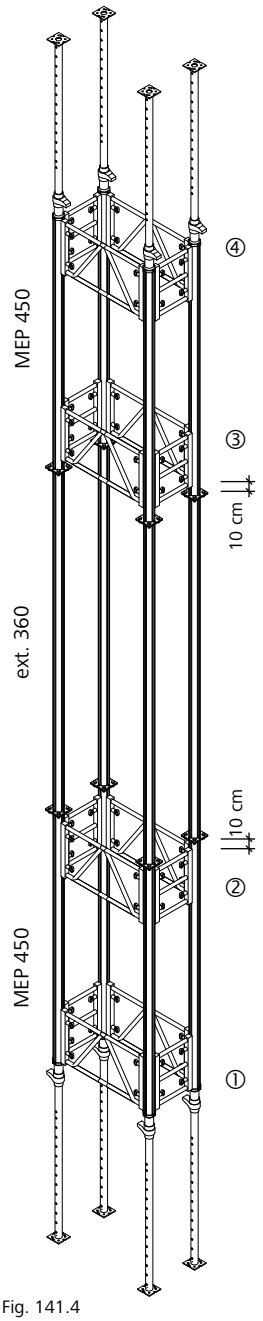

Fig. 141.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 55 x 170

- Props: 2 x MEP 450, ext. 360
- MEP frame: 55, 170
- Basic dimension: 55 x 170 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	-
1060	375	325	-
1035	375	300	-
1010	350	300	-
985	325	300	-
960	300	300	-

Table 142.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	3.48
1085	400	325	6.89
1060	375	325	9.84
1035	375	300	11.10
1010	350	300	11.99
985	325	300	13.52
960	300	300	13.76

Table 142.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.24
1235	425	450	18.19
1210	425	425	21.39
1185	425	400	21.23
1160	425	375	25.42
1135	425	350	30.39
1110	400	350	29.90
1085	400	325	29.50
1060	375	325	29.14
1035	375	300	34.71
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 142.3

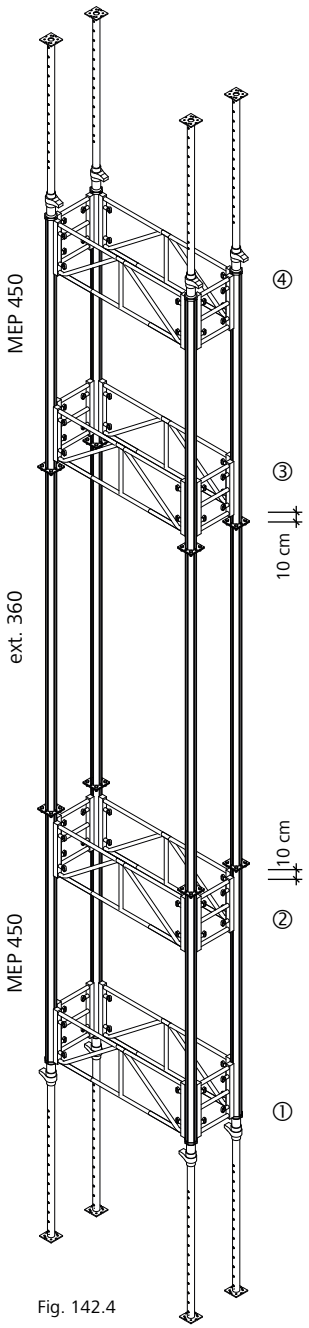

Fig. 142.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 55 x 220

- Props: 2 x MEP 450, ext. 360
- MEP frame: 55, 220
- Basic dimension: 55 x 220 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	-
1060	375	325	-
1035	375	300	-
1010	350	300	-
985	325	300	-
960	300	300	-

Table 143.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	1.97
1060	375	325	5.41
1035	375	300	6.97
1010	350	300	8.12
985	325	300	9.50
960	300	300	10.82

Table 143.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.23
1235	425	450	18.18
1210	425	425	21.37
1185	425	400	21.22
1160	425	375	25.40
1135	425	350	30.37
1110	400	350	29.88
1085	400	325	29.46
1060	375	325	29.11
1035	375	300	34.68
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 143.3

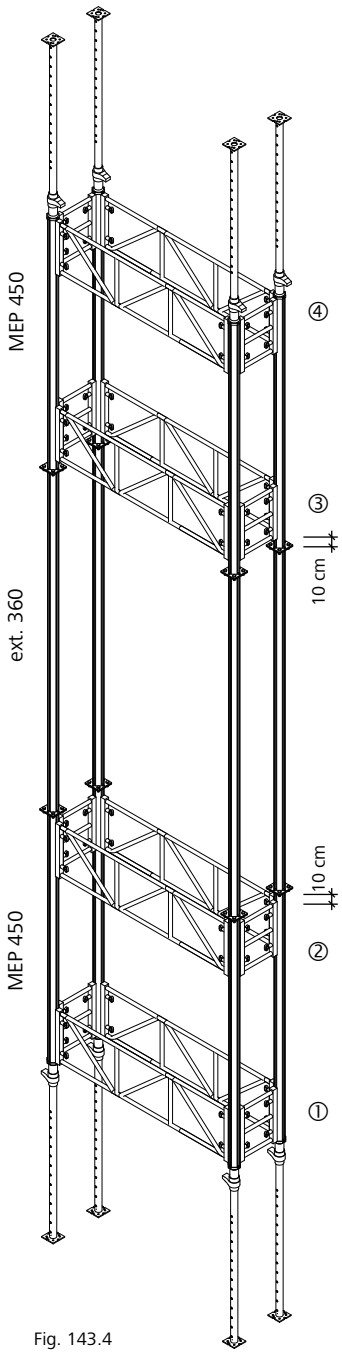

Fig. 143.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 110 x 110

- Props: 2 x MEP 450, ext. 360
- MEP frame: 110
- Basic dimension: 110 x 110 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	11.27
1110	400	350	15.02
1085	400	325	17.66
1060	375	325	17.81
1035	375	300	24.57
1010	350	300	29.77
985	325	300	32.42
960	300	300	31.91

Table 144.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	15.27
1160	425	375	19.66
1135	425	350	20.11
1110	400	350	25.75
1085	400	325	25.38
1060	375	325	25.26
1035	375	300	32.31
1010	350	300	40.00
985	325	300	40.00
960	300	300	39.96

Table 144.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.01
1235	425	450	20.89
1210	425	425	25.63
1185	425	400	25.33
1160	425	375	30.31
1135	425	350	33.76
1110	400	350	37.02
1085	400	325	36.49
1060	375	325	35.44
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 144.3

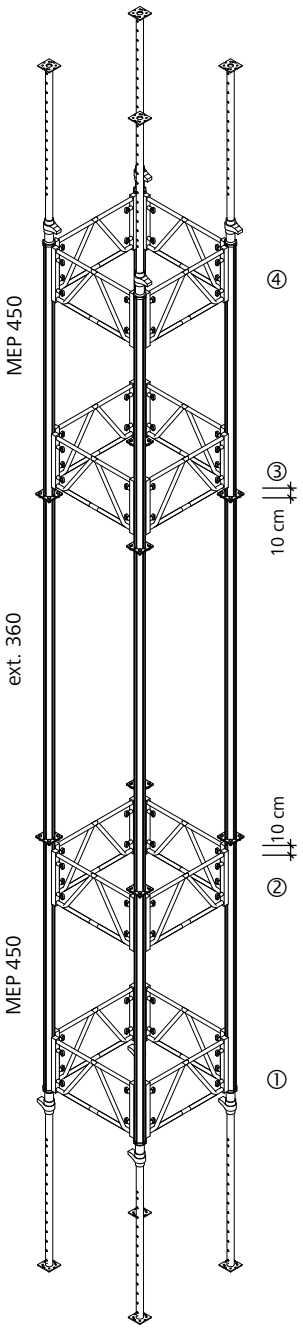

Fig. 144.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 110 x 170

- Props: 2 x MEP 450, ext. 360
- MEP frame: 110, 170
- Basic dimension: 110 x 170 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	10.62
1085	400	325	14.14
1060	375	325	14.63
1035	375	300	20.99
1010	350	300	24.46
985	325	300	29.03
960	300	300	28.69

Table 145.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	13.32
1160	425	375	17.49
1135	425	350	17.78
1110	400	350	23.33
1085	400	325	23.50
1060	375	325	23.50
1035	375	300	30.37
1010	350	300	39.26
985	325	300	38.72
960	300	300	38.03

Table 145.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.00
1235	425	450	20.89
1210	425	425	25.63
1185	425	400	25.32
1160	425	375	30.31
1135	425	350	34.65
1110	400	350	37.01
1085	400	325	36.49
1060	375	325	35.41
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 145.3

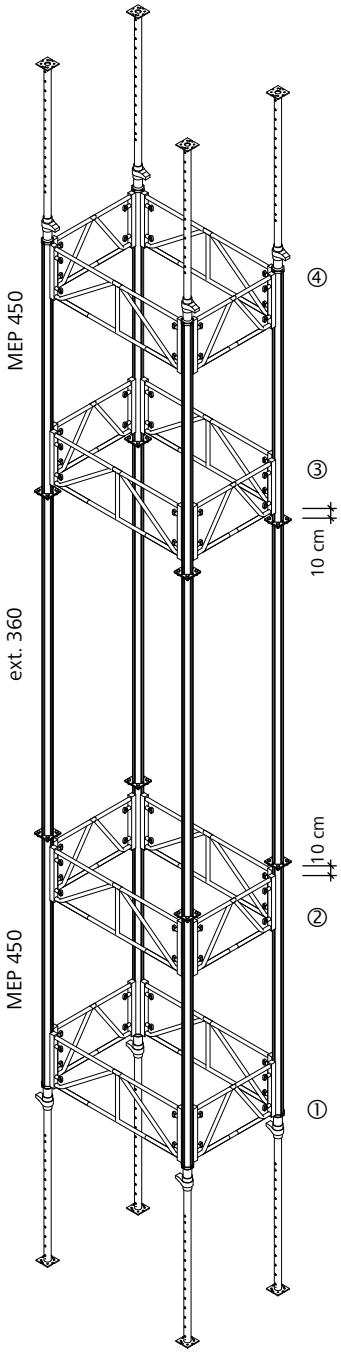

Fig. 145.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 110 x 220

- Props: 2 x MEP 450, ext. 360
- MEP frame: 110, 220
- Basic dimension: 110 x 220 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	-
1085	400	325	10.51
1060	375	325	11.30
1035	375	300	17.50
1010	350	300	19.19
985	325	300	25.62
960	300	300	25.44

Table 146.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	11.35
1160	425	375	14.94
1135	425	350	15.49
1110	400	350	20.30
1085	400	325	21.40
1060	375	325	21.28
1035	375	300	28.43
1010	350	300	36.19
985	325	300	36.43
960	300	300	35.81

Table 146.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.00
1235	425	450	20.88
1210	425	425	25.63
1185	425	400	25.31
1160	425	375	30.31
1135	425	350	35.00
1110	400	350	37.01
1085	400	325	36.48
1060	375	325	35.44
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 146.3

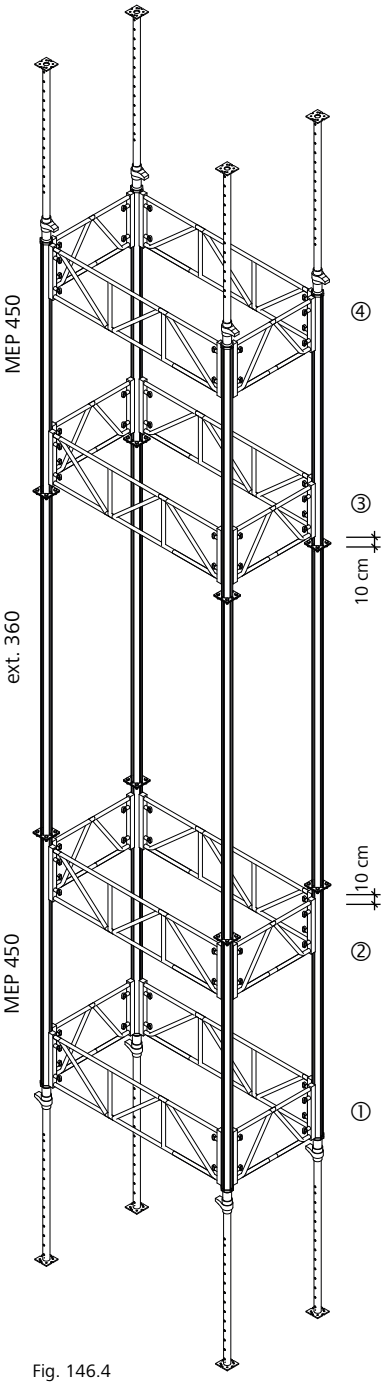

Fig. 146.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 170 x 170

- Props: 2 x MEP 450, ext. 360
- MEP frame: 170
- Basic dimension: 170 x 170 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	21.74
1085	400	325	23.44
1060	375	325	23.19
1035	375	300	33.69
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 147.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	18.48
1160	425	375	24.49
1135	425	350	23.49
1110	400	350	32.93
1085	400	325	31.26
1060	375	325	30.81
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 147.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.58
1235	425	450	22.04
1210	425	425	27.60
1185	425	400	27.32
1160	425	375	34.11
1135	425	350	37.62
1110	400	350	40.00
1085	400	325	40.00
1060	375	325	40.00
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 147.3

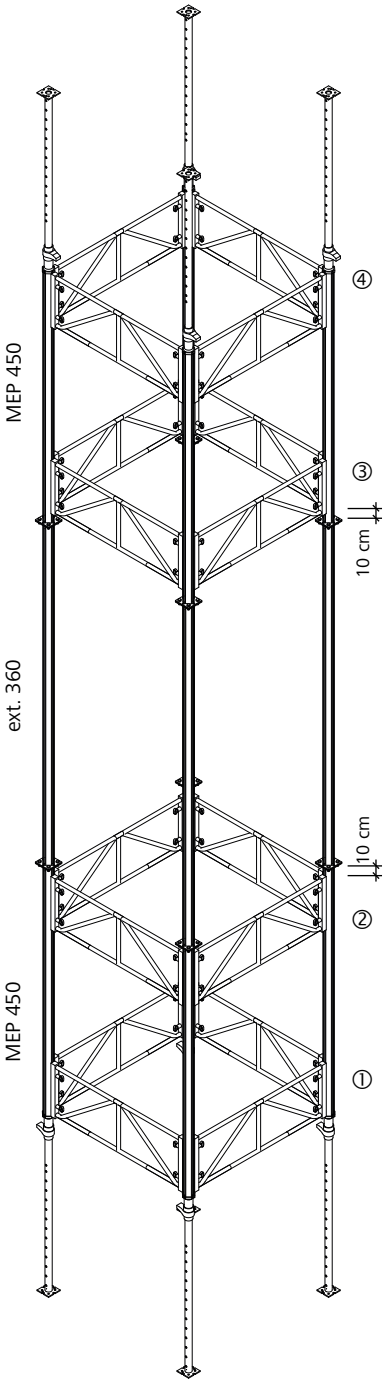

Fig. 147.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 170 x 220

- Props: 2 x MEP 450, ext. 360
- MEP frame: 170, 220
- Basic dimension: 170 x 220 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	17.55
1085	400	325	19.97
1060	375	325	19.96
1035	375	300	30.74
1010	350	300	37.31
985	325	300	40.00
960	300	300	40.00

Table 148.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	16.82
1160	425	375	21.31
1135	425	350	20.96
1110	400	350	30.97
1085	400	325	29.71
1060	375	325	29.24
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 148.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.58
1235	425	450	22.03
1210	425	425	27.60
1185	425	400	27.32
1160	425	375	34.11
1135	425	350	37.59
1110	400	350	40.00
1085	400	325	40.00
1060	375	325	40.00
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 148.3

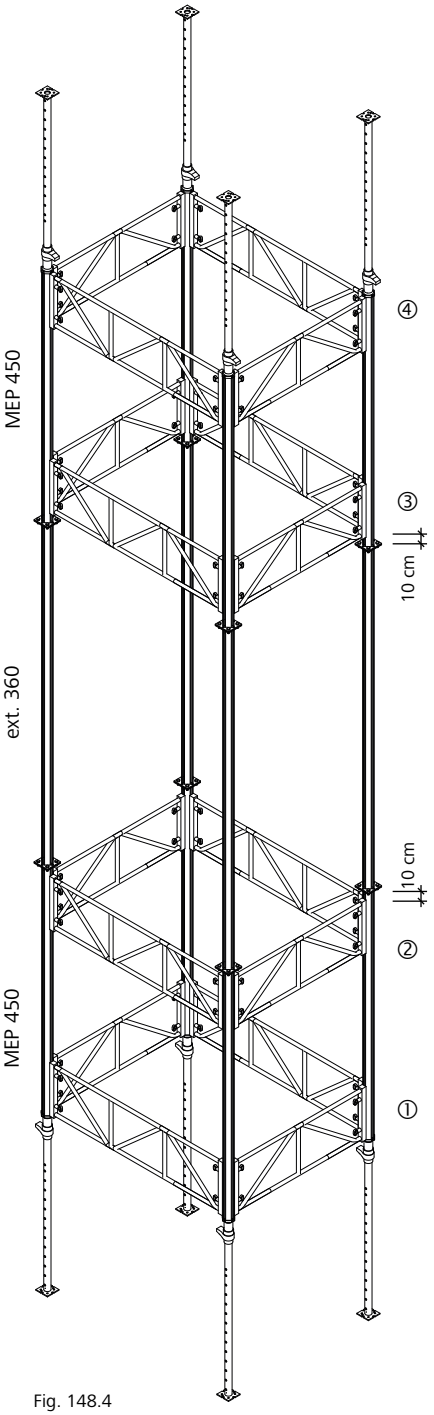

Fig. 148.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

2 x MEP 450 + ext. 360 – Tower 220 x 220

- Props: 2 x MEP 450, ext. 360
- MEP frame: 220
- Basic dimension: 220 x 220 cm
- Tower height: 960 to 1260 cm

Wind impact pressure q = 0.80 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	-
1160	425	375	-
1135	425	350	-
1110	400	350	15.72
1085	400	325	19.56
1060	375	325	19.53
1035	375	300	30.79
1010	350	300	35.28
985	325	300	40.00
960	300	300	40.00

Table 149.1

Wind impact pressure q = 0.50 kN/m²			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	-
1235	425	450	-
1210	425	425	-
1185	425	400	16.50
1160	425	375	20.97
1135	425	350	20.65
1110	400	350	29.98
1085	400	325	29.86
1060	375	325	29.32
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 149.2

Without wind			
Total length (cm)	MEP 450 bottom, extension length (cm)	MEP 450 top, extension length (cm)	Perm. load (kN)
1260	450	450	15.66
1235	425	450	22.26
1210	425	425	27.93
1185	425	400	27.60
1160	425	375	34.55
1135	425	350	37.74
1110	400	350	40.00
1085	400	325	40.00
1060	375	325	40.00
1035	375	300	40.00
1010	350	300	40.00
985	325	300	40.00
960	300	300	40.00

Table 149.3

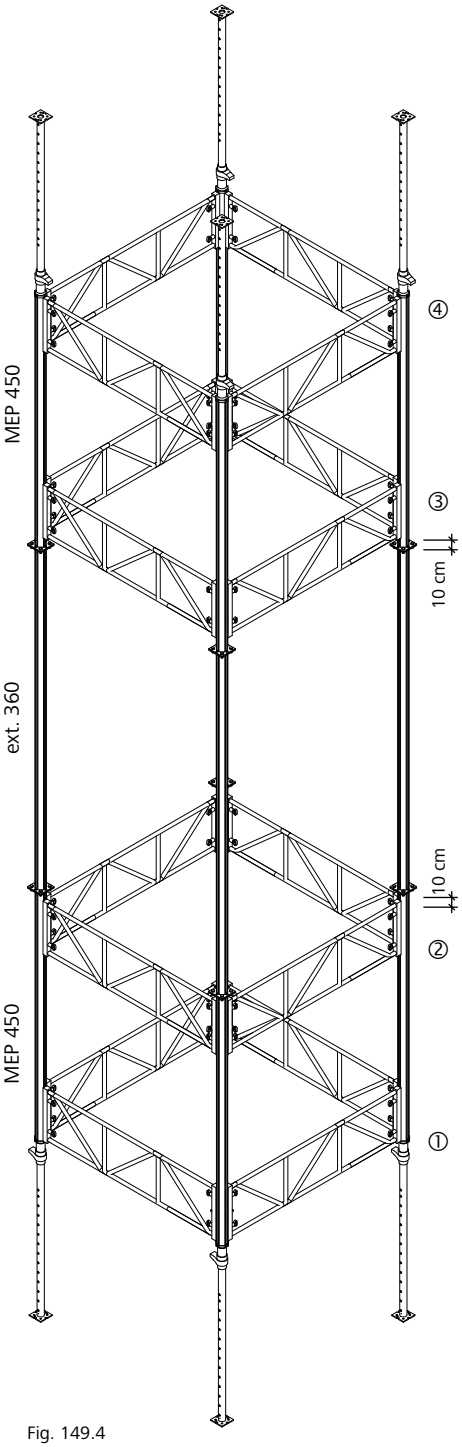

Fig. 149.4

Position of frame

① As low as possible

② 10 cm below the first prop connection

③ 10 cm above the second prop connection

④ As high as possible

Notes

Notes

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