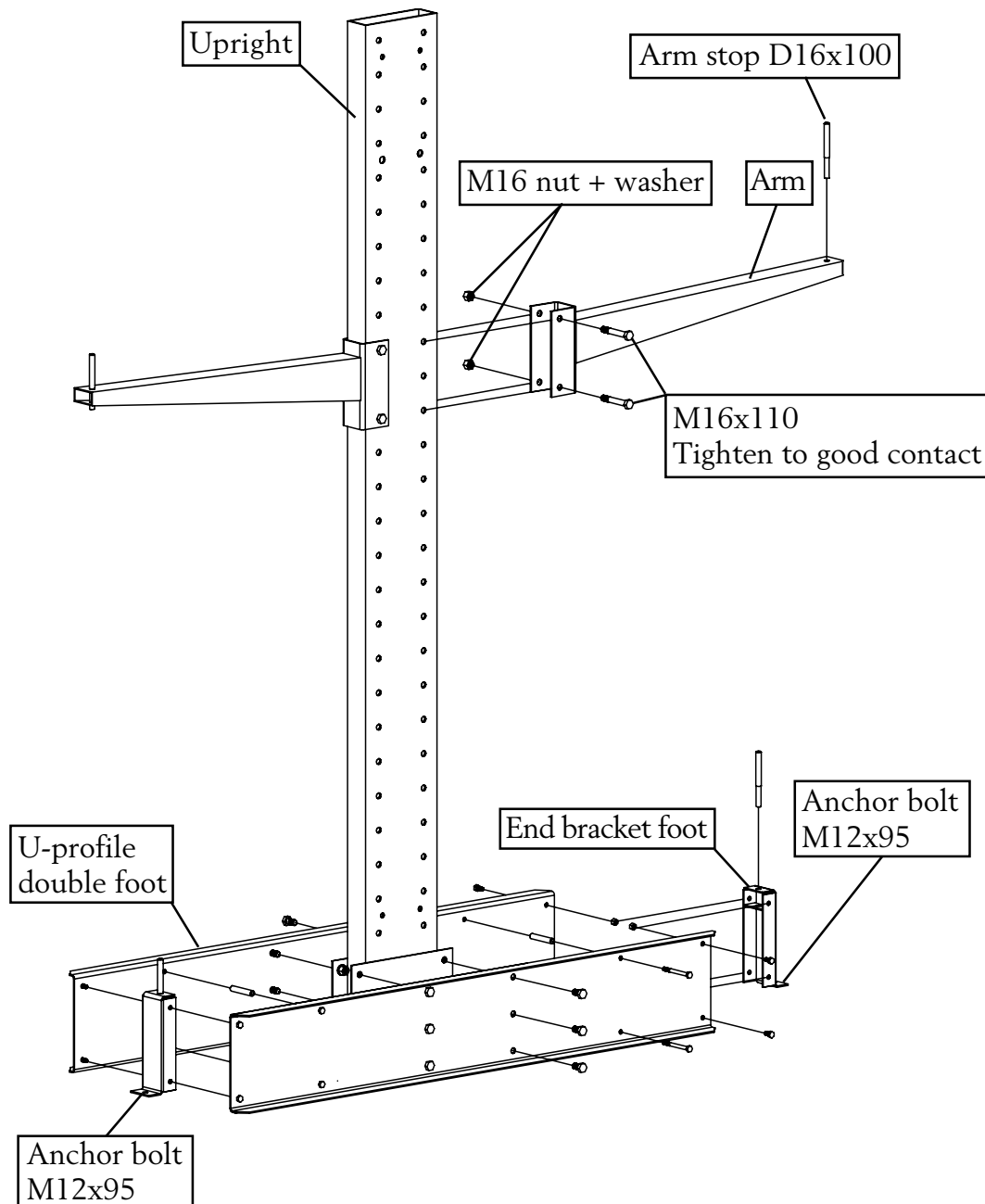
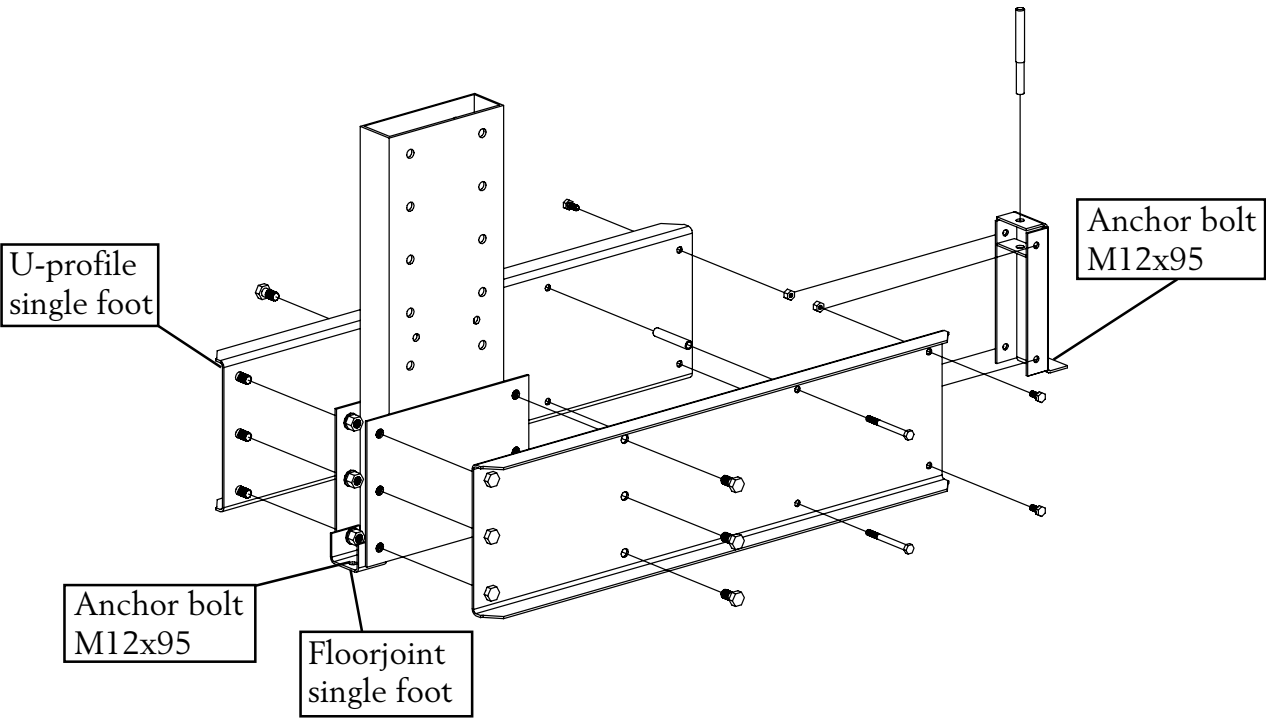


Assembly and users manual

Cantilever racking Heavy-duty model



SINGLE FOOT

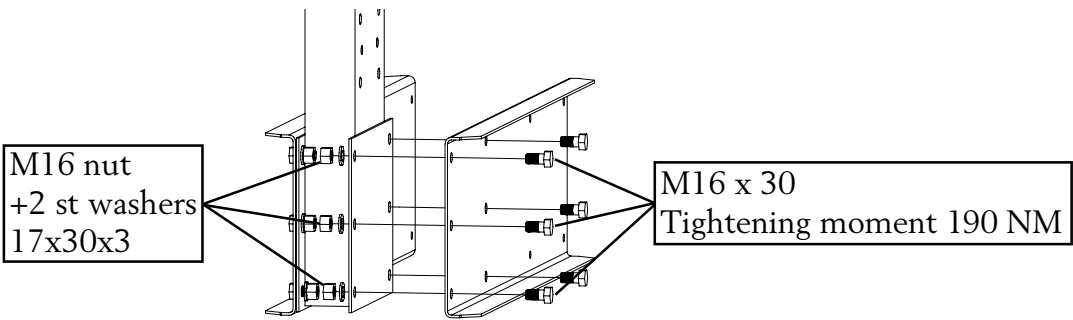


DETAILS

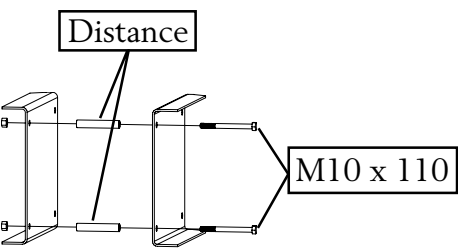
Contact EAB for advice if the racking is to be erected on other surface than concrete floor.

Min quality for all fasteners shall be 8.8

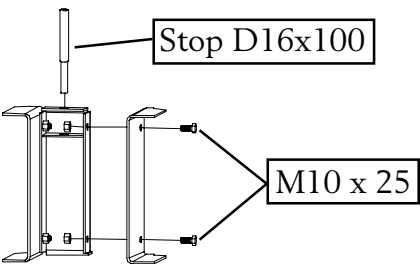
FOOT



DISTANCE



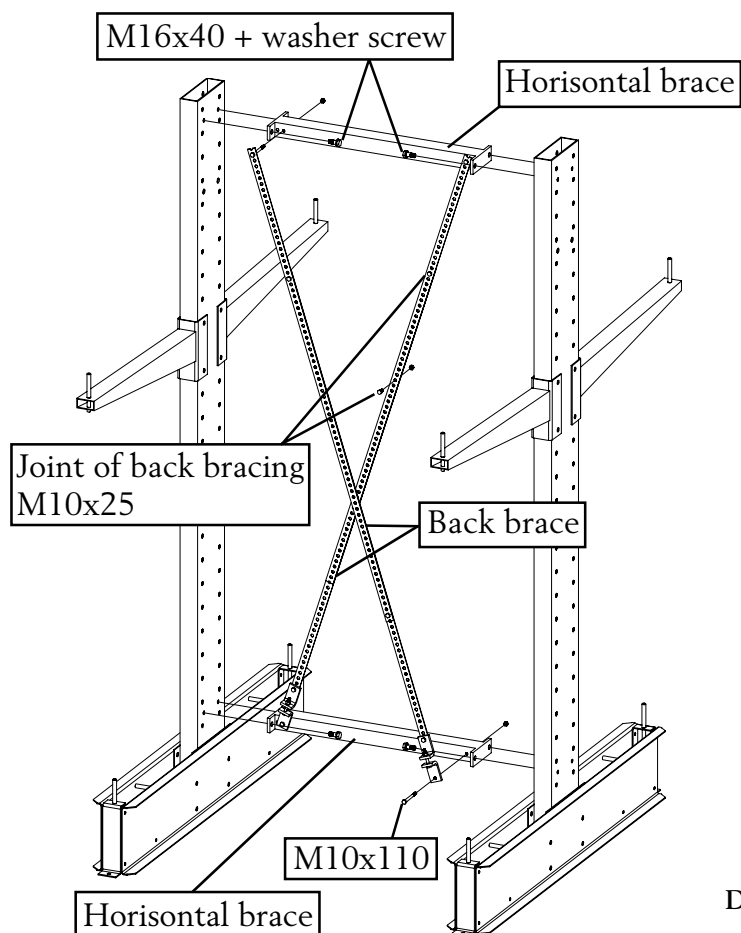
END BRACKET FOOT



BRACING

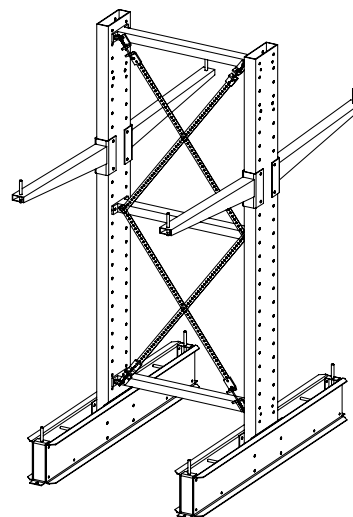
Single bracing

Upright height 3000 and 4000



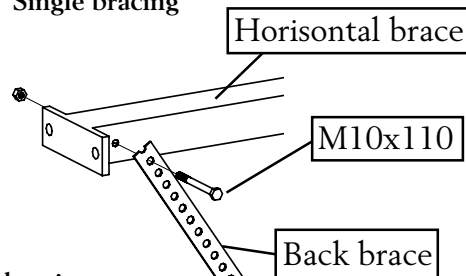
Double bracing

Upright height 5000 and 6000

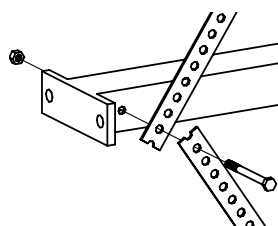


BACK BRACING

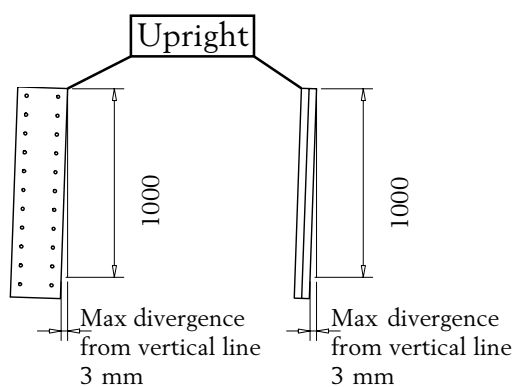
Single bracing



Double bracing

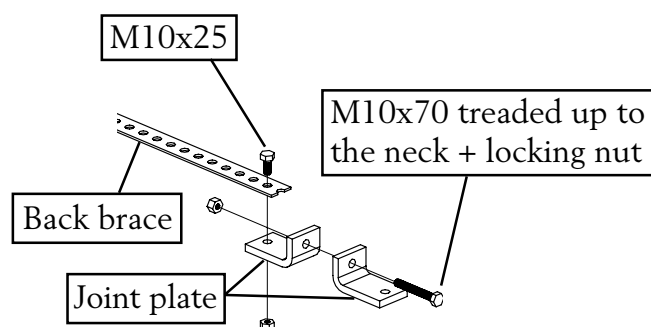


TOLERANCES



Max gradient of an unloaded pillar 3 mm/m

JOINT PLATE



BRACING

The number of sections with cross braces = $\frac{\text{number of uprights}}{2}$ round up

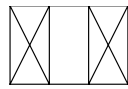
Ex



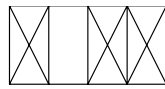
2 uprights



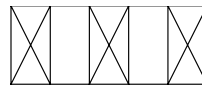
3 uprights



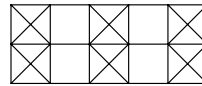
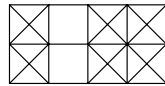
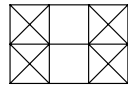
4 uprights



5 uprights



6 uprights

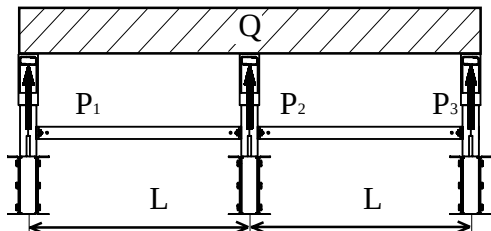


The number of back braces at each section (Counts all upright dimensions)

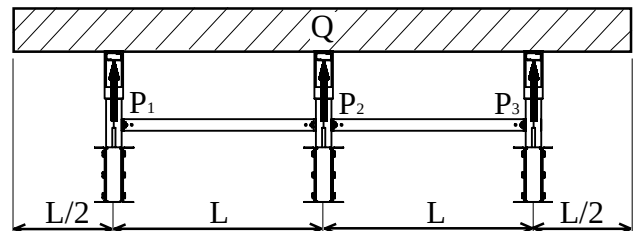
C/C Upright	Upright height 3000			Upright height 4000			Upright height 5000			Upright height 6000		
	Brace length			Brace length			Brace length			Brace length		
	1000	1500	3000	1000	1500	3000	1000	1500	3000	1000	1500	3000
1000		4		2		2	4	4			8	
1250		4		2		2	4	4			8	
1500		4		2		2		8		4		4
2000	2		2	2		2		8		4		4
2500	2		2		2	2	4		4	4		4

PLACEMENT OF GOODS

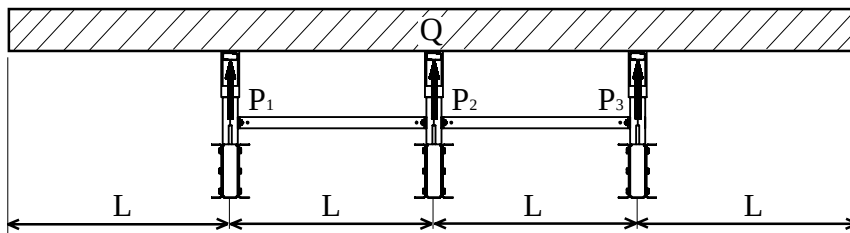
Different load cases



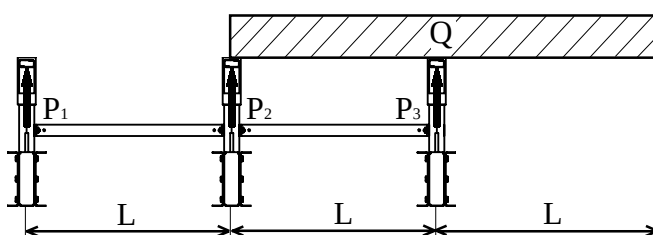
$$P_1 = 0,2 Q, P_2 = 0,6 Q, P_3 = 0,2 Q$$



$$P_1 = 0,35 Q, P_2 = 0,3 Q, P_3 = 0,35 Q$$



$$P_1 = 0,5 Q, P_2 = 0, P_3 = 0,5 Q$$



$$P_1 = 0, P_2 = 0, P_3 = Q$$

Q = Equal distributed load
P = Load at each arm

Permitted load see table
at the upright.

LOAD TABLE

Figures belows shows maximum permitted load per column and side excluded load on the feets. Maximum arm load is evenly distributed load.

Upright 265x4 mm

Upright height	Maximum permitted load, kg				
	Arm length 500 mm	Arm length 750 mm	Arm length 1000 mm	Arm length 1250 mm	Arm length 1500 mm
3000 mm	6420	4840	3880	3240	2780
3500 mm	5610	4220	3390	2830	2430
4000 mm	4980	3750	3010	2510	2160

Upright 350x4 mm

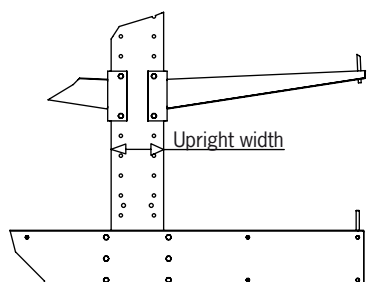
Upright height	Maximum permitted load, kg				
	Arm length 500 mm	Arm length 750 mm	Arm length 1000 mm	Arm length 1250 mm	Arm length 1500 mm
3000 mm	9300	7750	6650	5740	4970
3500 mm	9300	7370	6000	5070	4380
4000 mm	8530	6600	5370	4530	3920
4500 mm	7730	5970	4860	4100	3550
5000 mm	7060	5450	4440	3750	3240
5500 mm	6500	5020	4090	3450	2990
6000 mm	6020	4650	3790	3200	2770

Upright 350x4 mm reinforced

Upright height	Maximum permitted load, kg				
	Arm length 500 mm	Arm length 750 mm	Arm length 1000 mm	Arm length 1250 mm	Arm length 1500 mm
3000 mm	9300	7750	6650	5820	5170
3500 mm	9300	7750	6650	5820	5170
4000 mm	9300	7750	6650	5660	4900
4500 mm	9300	7500	6110	5150	4460
5000 mm	8900	6880	5610	4730	4090
5500 mm	8230	6360	5180	4370	3780
6000 mm	7650	5910	4820	4060	3510

Upright 400x5 mm

Upright height	Maximum permitted load, kg				
	Arm length 500 mm	Arm length 750 mm	Arm length 1000 mm	Arm length 1250 mm	Arm length 1500 mm
5000 mm	11200	8760	7200	6110	5300
5500 mm	10300	8060	6620	5620	4880
6000 mm	9540	7470	6130	5200	4520



Upright, type	Width
265x4 mm	265 mm
350x4 mm	350 mm
350x4 mm reinforced	362 mm
400x5 mm	400 mm

SAFETY IN WAREHOUSES

EABs Cantilever racking employ a proven design, with maximum emphasis on safety and performance. The Cantilever racking fulfill all safety requirements in Nordic standard INSTA 253 (Swedish standard SS 2643) which includes rules for static design, testing, assembly and marking.

Assembly / modification

To ensure safety, it is important that cantilever racking are always assembled in accordance with the instructions given here.

Marking

After assembly, a surely visible sign showing maximum allowed load shall be placed on the upright. The management shall supervise that the load limits are not exceeded.

Inspection

Erections inspection

Before starting to use the cantilever racking, it must be inspected in accordance with these instructions and in any special erection drawings.

Regular inspection

Cantilever racking must be regularly inspected in respect of locking devices, bracing, damage by vehicles etc. and anything else that could affect their strength.

Periodic inspection

Cantilever racking must be inspected at least every twelve months to ensure that they continue to comply with these instructions and with any special erection drawings.

Re-inspection

Must always be performed if the positions of the arms and uprights are moved. The purchaser or user is responsible for ensuring that the above inspections are performed.

