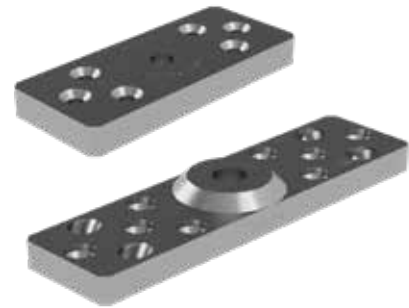


PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

PRODUCT DESCRIPTION

The Powerblock is a powerful lifting device that was specifically designed for handling and transporting CLT panels and glued laminated timber elements. With a load capacity of up to 6.3 tonnes per attachment point, the Powerblock delivers maximum safety and efficiency for a wide range of lifting operations. Thanks to its versatile installation configurations, the Powerblock can be flexibly adjusted to your requirements. It can, for example, be attached to the end faces of CLT walls, the wide surface of CLT panels or the top side of beams. This makes the Powerblock a reliable tool for the safe, cost-effective and fast assembly of wooden structures.



Powerblock

APPLICATIONS

- Wall or floor panels made of CLT, can also be used on end faces
- Solid wood and glued laminated timber beams
- Prefabricated walls with a timber frame construction
- Prefabricated modular structures



Sling swivels

IMPORTANT SPECIFICATIONS

- Load capacity: up to 6.3 t per fastening point
- Reusable: visually inspect before each use and conduct an annual inspection according to DGUV 109-017
- The sling swivels can rotate freely, allowing them to automatically adjust to the direction of pull.

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

PRODUCT TABLE

Art. no.	Designation	Dimensions [mm] ^{a)}	Material	Mounting thread	PU
110380	Powerblock M	190 x 80 x 20	Steel - S235JR	M14	1
110381	Powerblock L	300 x 80 x 30	Steel - S355JR	M24	1

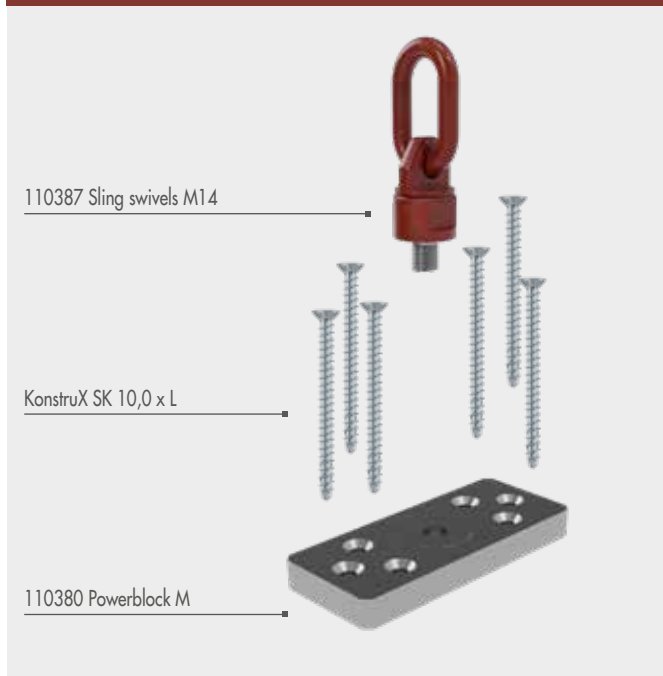
a) Length x width x height

SUITABLE SLING SWIVELS:

Art. no.	Designation	Max. load capacity [kg]	PU
110387	Sling swivels M14	1120/2240	1
110389	Sling swivels M24	3150/6300	1

SET VARIANT M

Consists of:



SET VARIANT L

Consists of:



PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

SUITABLE SCREWS:

ANGLE-BRACKET SCREW:

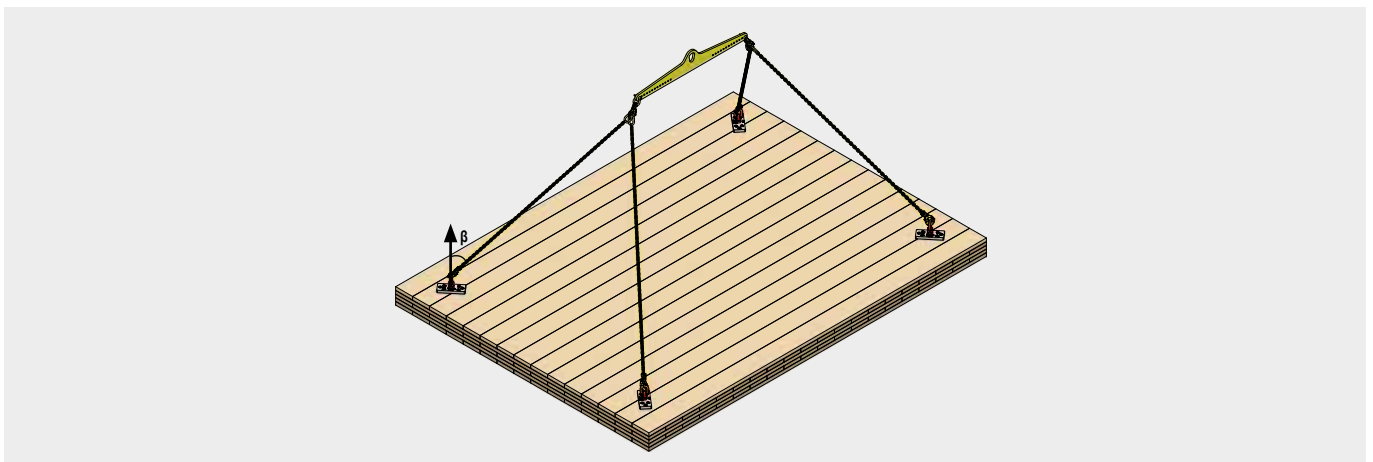
Art. no.	Dimensions [mm]	Drive	PU
945344	5,0 x 60	TX20 •	250

KONSTRUX:

Art. no.	Dimensions [mm]	Drive	PU
904771	10,0 x 155	TX50 •	25
904773	10,0 x 220	TX50 •	25
904776	10,0 x 300	TX50 •	25

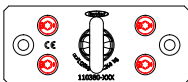
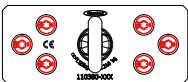
TECHNICAL INFORMATION

POWERBLOCK M MAXIMUM LOAD CAPACITY (CLT FLOOR):



PRODUCT DATA SHEET

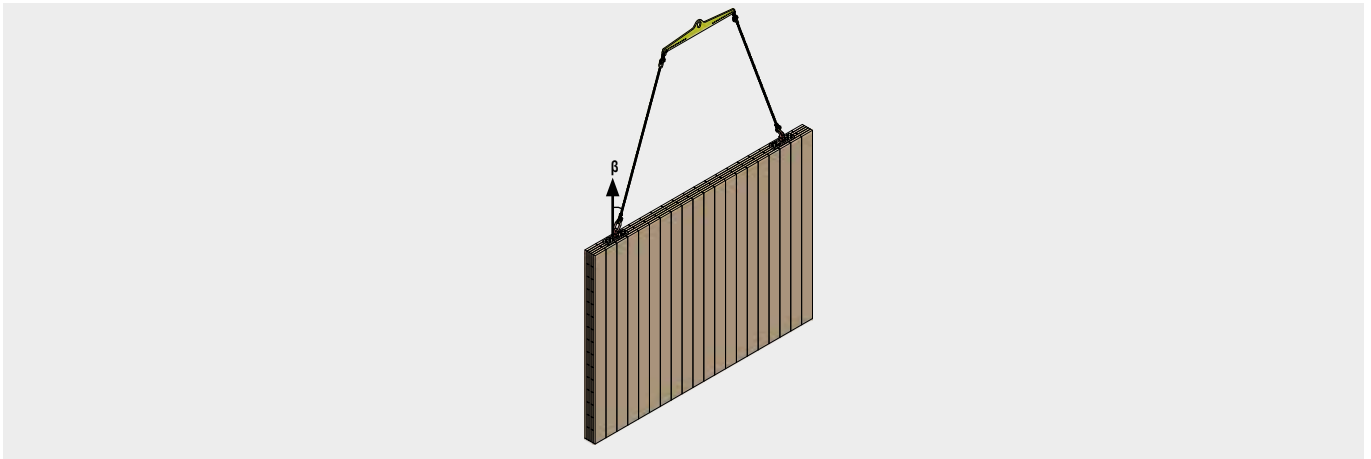
POWERBLOCK TRANSPORT ANCHOR

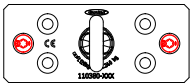
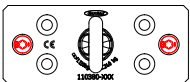
KonstruX		CLT thickness [mm]	Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]				$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	140-190	2	1,2	1403	773	500	301
				1,9	886	488	315	190
			4	1,2	2240	1120	994	602
				1,9	1710	965	628	380
			6	1,2	2240	1120	1120	903
				1,9	2240	1120	942	570
10	220	210-280	2	1,2	2079	846	518	305
				1,9	1313	534	327	193
			4	1,2	2240	1120	1033	610
				1,9	2240	1062	652	385
			6	1,2	2240	1120	1120	915
				1,9	2240	1120	979	578

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

CLT WALL:

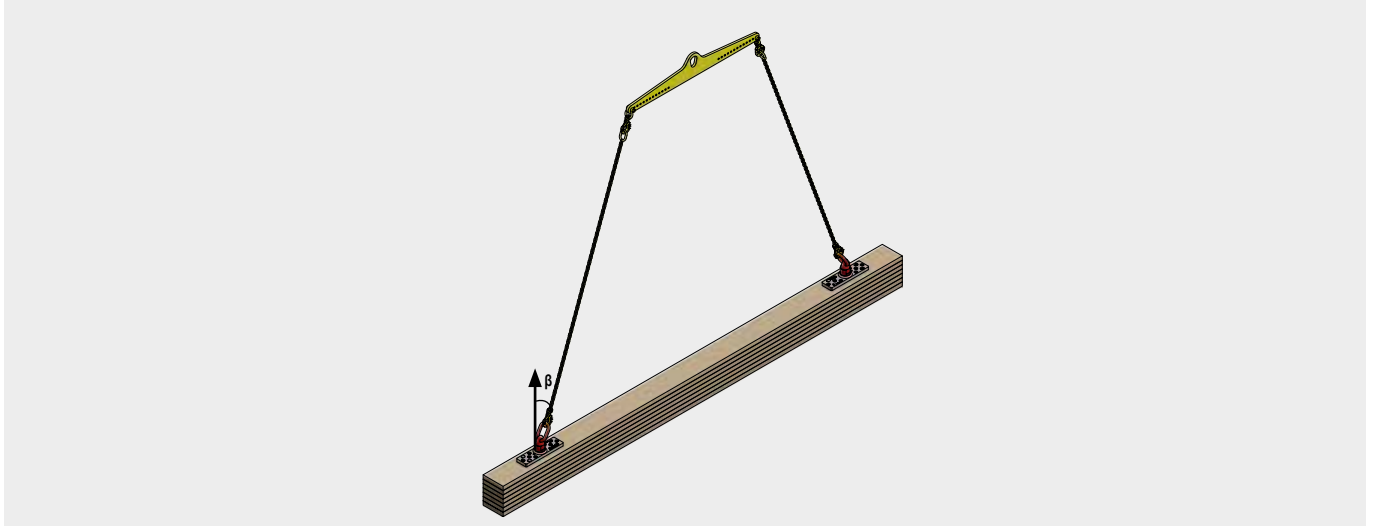


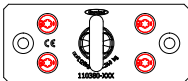
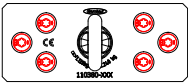
KonstruX		Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]			$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	2	1,2	943	515	332	200
			1,9	595	325	210	126
			1,2	1819	1018	661	399
		4	1,9	1149	643	417	252
10	220	2	1,2	1343	558	343	202
			1,9	848	353	216	128
			1,2	2240	1110	684	404
		4	1,9	1636	707	432	255
10	270	2	1,2	1642	575	347	203
			1,037	363	219	128	193
			1,2	2240	1120	692	406
		4	1,9	2000	723	437	256

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

BEAM:



KonstruX		Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]			$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	2	1,2	1514	817	526	316
			1,9	^956	516	332	200
		4	1,2	2240	1120	1047	632
			1,9	1845	1021	661	399
		6	1,2	2240	1120	1570	948
			1,9	2240	1120	9920	599
10	220	2	1,2	2240	891	544	320
			1,9	1417	563	343	202
		4	1,2	2240	1120	1085	640
			1,9	2240	1120	685	404
		6	1,2	2240	1120	1120	960
			1,9	2240	1120	1028	606

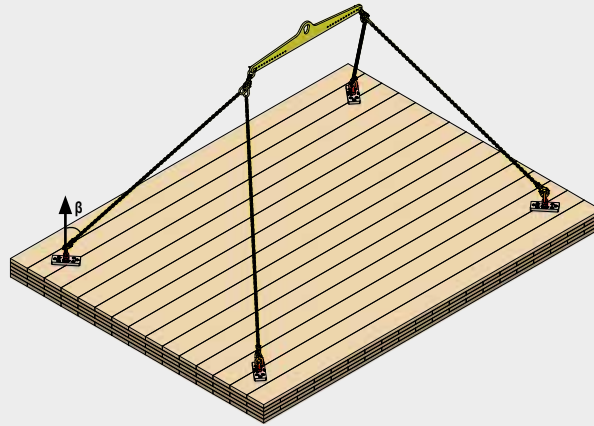
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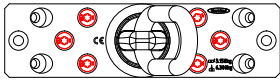
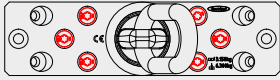
Page 6 of 14

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

POWERBLOCK L MAXIMUM LOAD CAPACITY (CLT FLOOR):

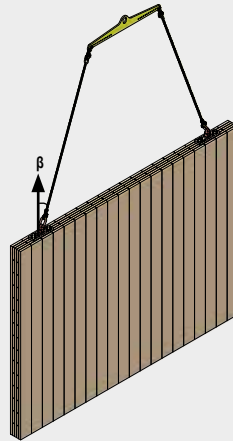


KonstruX		CLT thickness [mm]	Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]				$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	140-190	6	1,2	4060	2293	1492	903
				1,9	2564	1448	942	570
	904771 KonstruX SK 10 x 155 mm		12	1,2	6300	3150	2983	1805
					1,9	5129	2896	1884
10	220	210-280	6	1,2	6015	2522	1550	915
				1,9	3799	1593	979	578
	904773 KonstruX SK 10 x 220 mm		12	1,2	6300	3150	3099	1830
					1,9	6300	3150	1957

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

CLT WALL:



KonstruX		Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]			$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	4	1,2	1819	1018	661	399
			1,9	1149	643	417	252
		8	1,2	3638	2036	1321	799
			1,9	2297	1286	834	504
10	220	4	1,2	2591	1110	684	404
			1,9	1636	701	432	255
		8	1,2	5181	2219	1368	809
			1,9	3272	1402	864	511
10	270	4	1,2	3167	1145	692	406
			1,9	2000	723	437	256
		8	1,2	6300	2290	1384	812
			1,9	4000	1446	874	513

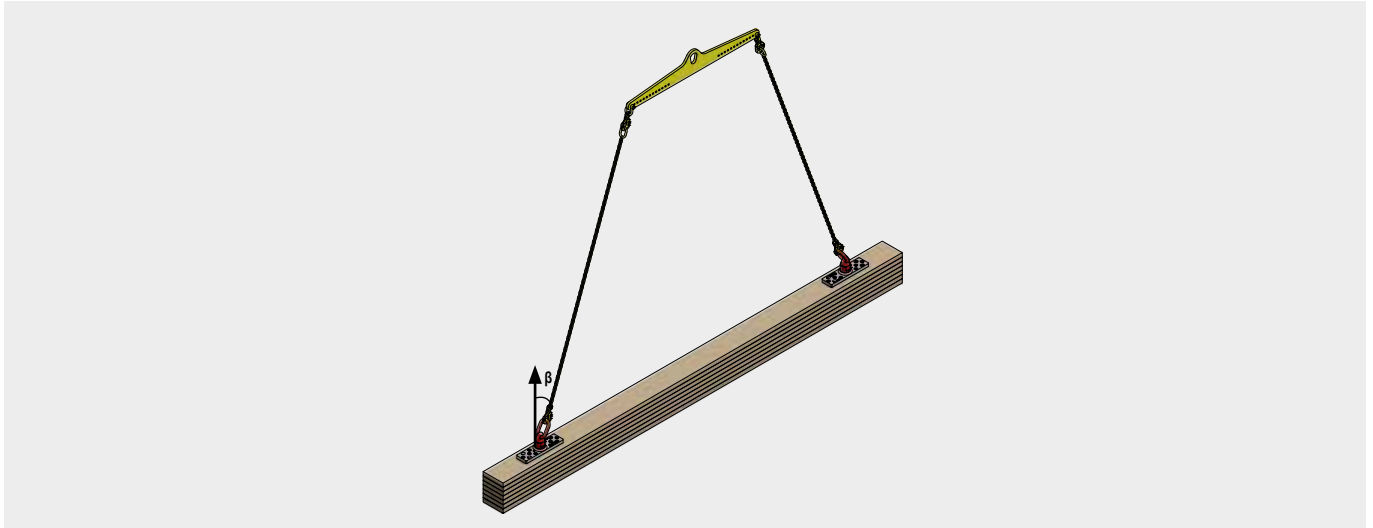
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PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

BEAM:



KonstruX		Screw layout	Dynamic factor	Load capacity [kg]			
D [mm]	L [mm]			$\beta = 0^\circ$	$0^\circ < \beta < 30^\circ$	$30^\circ < \beta < 45^\circ$	$45^\circ < \beta < 60^\circ$
10	155	6	1,2	4382	2426	1570	948
			1,9	2768	1532	992	599
			1,2	6300	3150	3140	1896
		12	1,9	5535	3064	1983	1197
10	220	6	1,2	6300	2657	1628	960
			1,9	4100	1678	1028	606
			1,2	6300	3150	3150	1920
		12	1,9	6300	3150	2056	1213

904771
KonstruX SK
10 x 155 mm

904773
KonstruX SK
10 x 220 mm

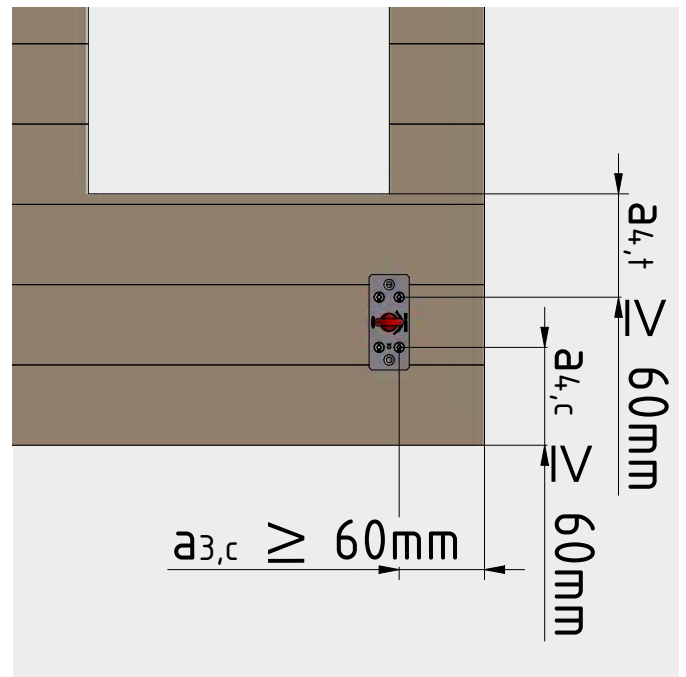
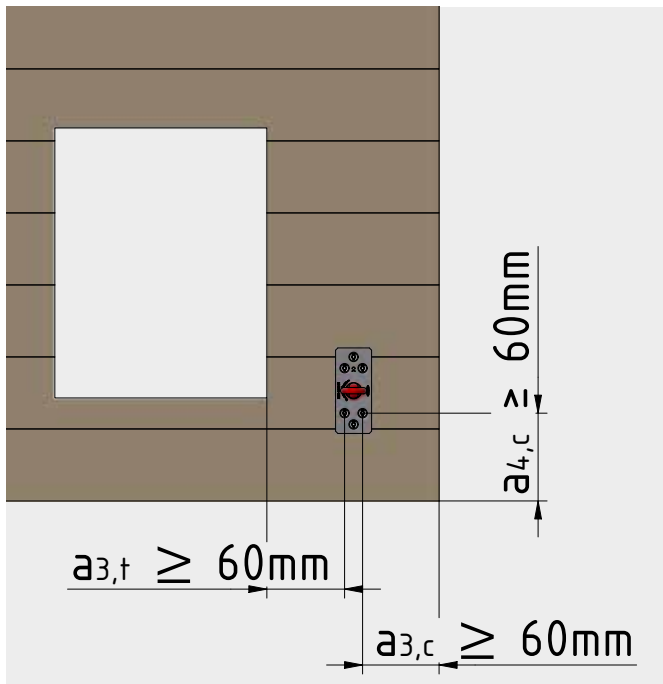
PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

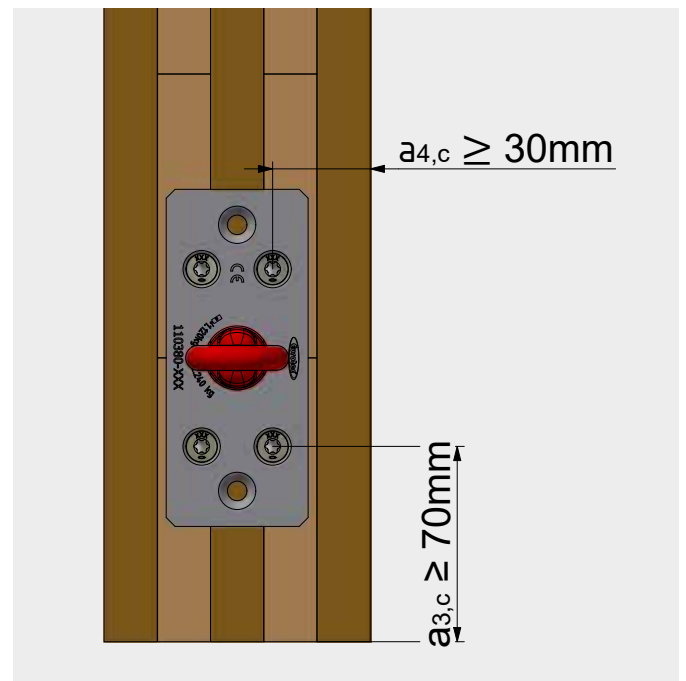
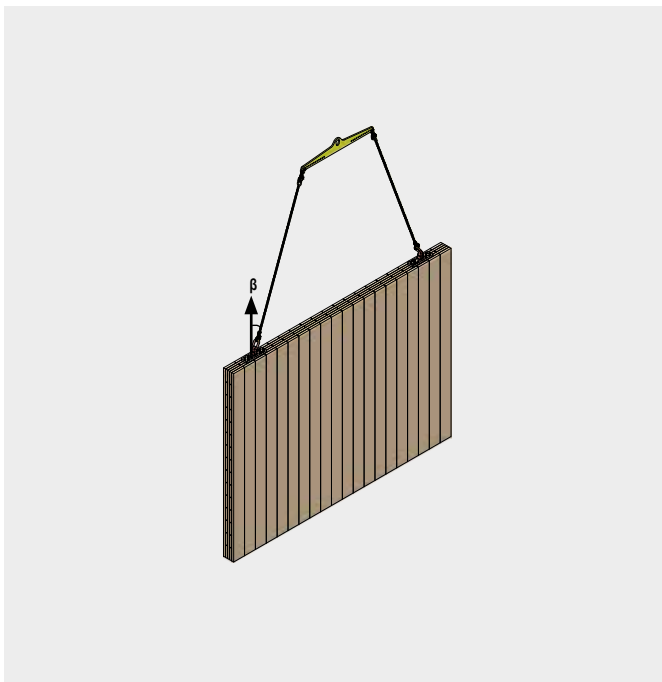
MINIMUM DISTANCES FOR THE INSTALLATION:

POWERBLOCK M

CLT FLOOR:



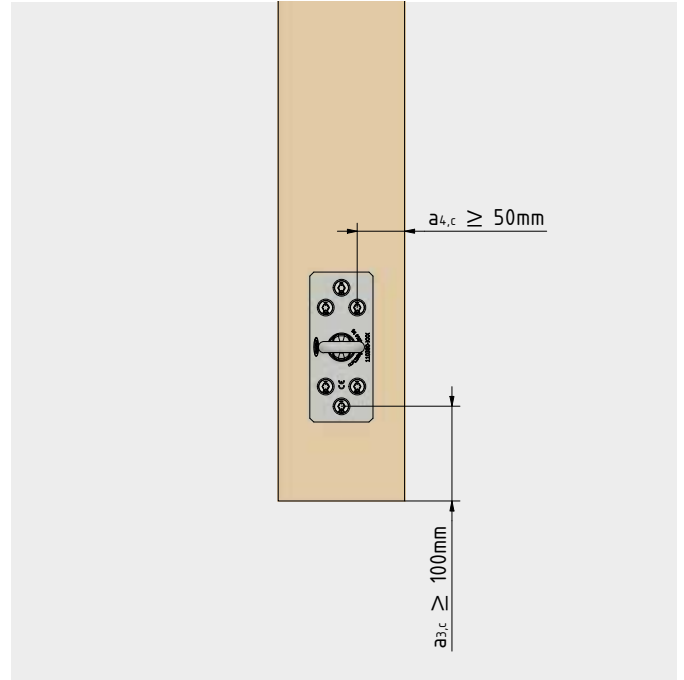
CLT WALL:



PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

BEAM:



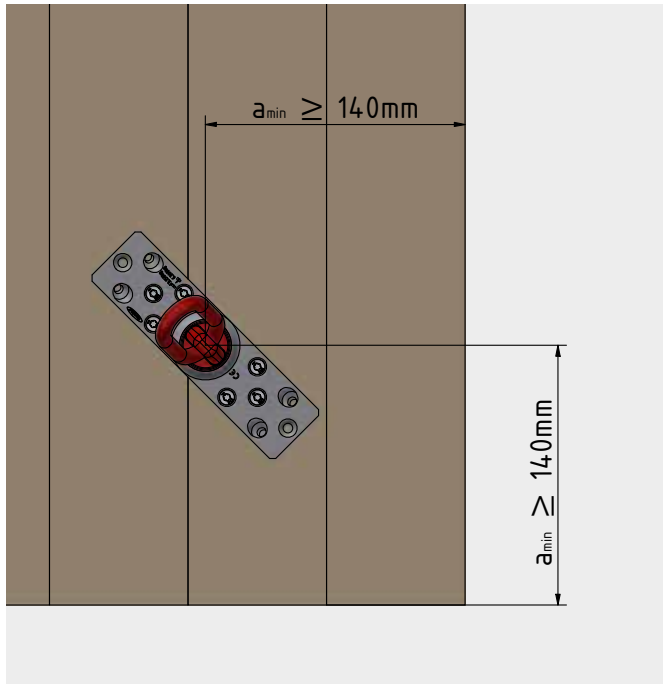
PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

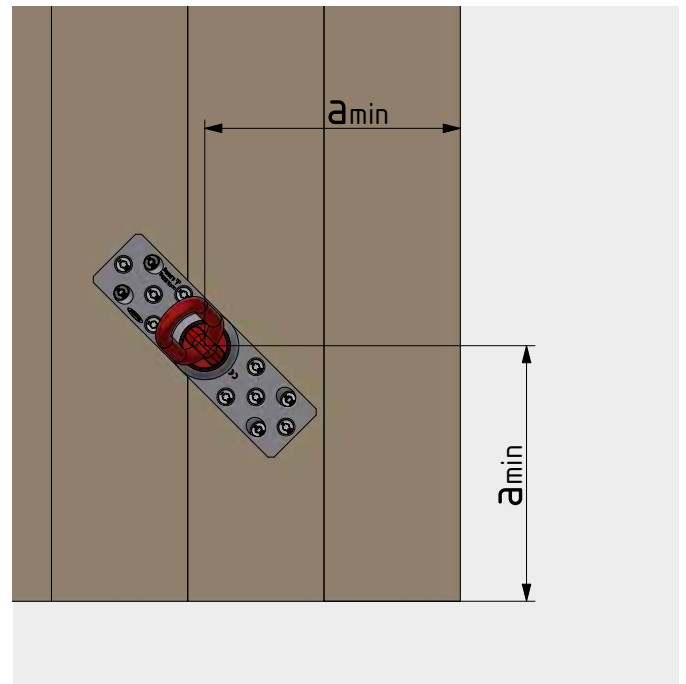
POWERBLOCK L

CLT WALL:

PARTIAL UTILISATION



FULL UTILISATION



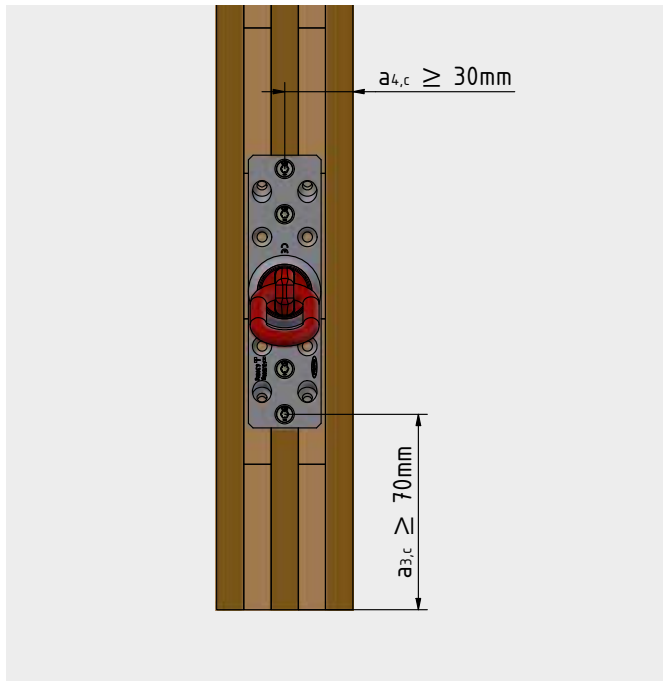
	a min [mm]	
KonstruX screw d x L [mm x mm]		
904771 KonstruX SK 10 x 155 mm	140	220
904773 KonstruX SK 10 x 220 mm		240
904775 KonstruX SK 10 x 270 mm		260

PRODUCT DATA SHEET

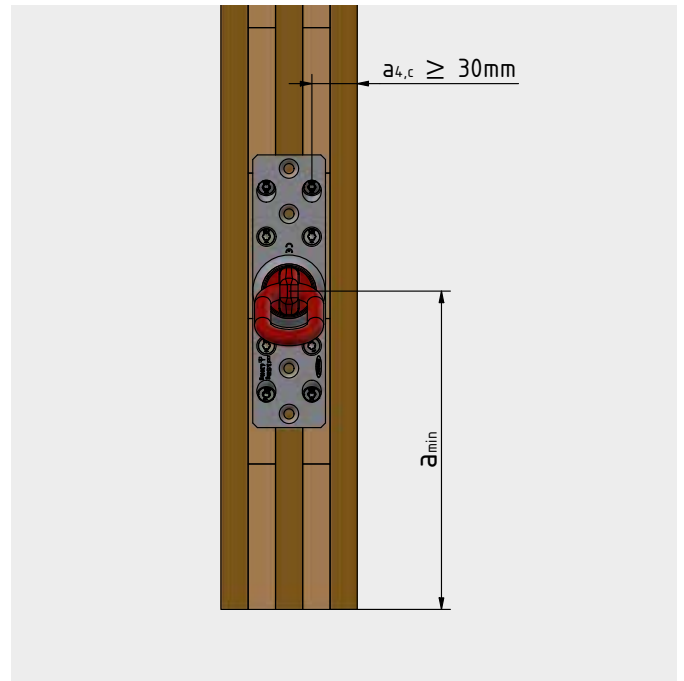
POWERBLOCK TRANSPORT ANCHOR

CLT WALL:

4 SCREWS



8 SCREWS



KonstruX screw
d x L [mm x mm]

a min [mm]



904771
KonstruX SK
10 x 155 mm

220

904773
KonstruX SK
10 x 220 mm

240

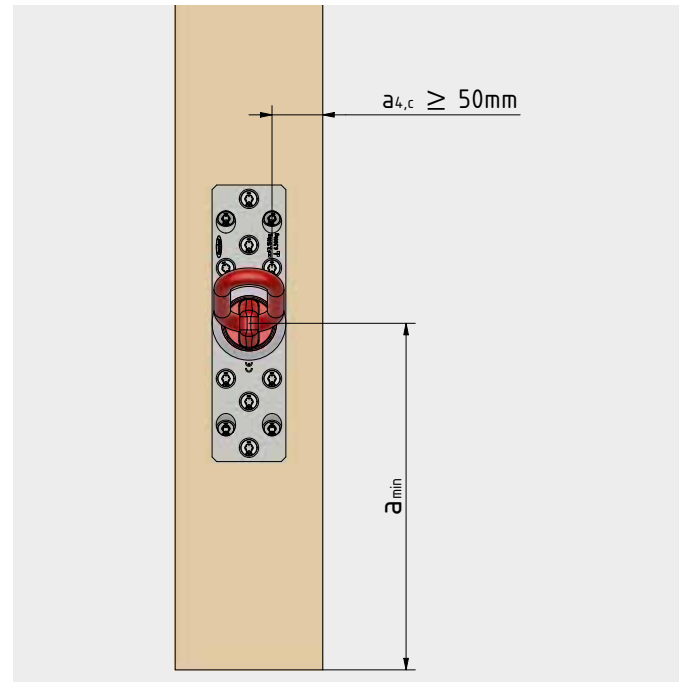
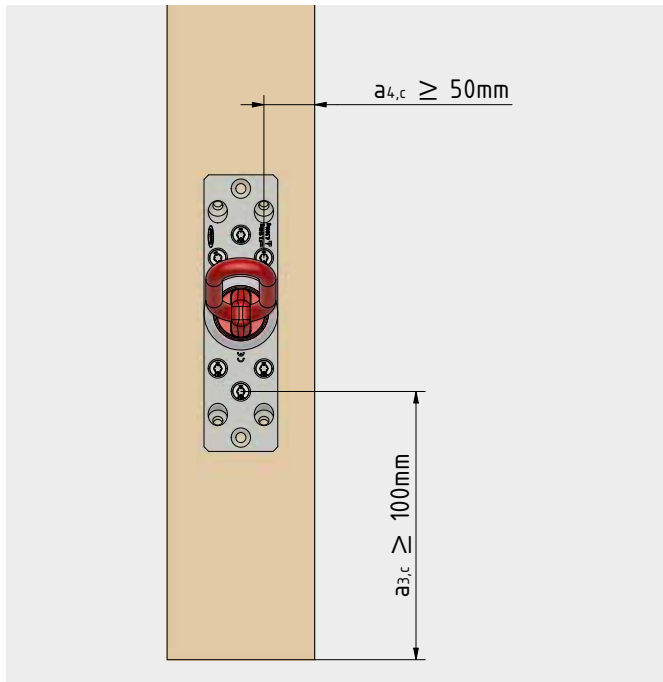
904775
KonstruX SK
10 x 270 mm

260

PRODUCT DATA SHEET

POWERBLOCK TRANSPORT ANCHOR

BEAM:



KonstruX screw
d x L [mm x mm]

a min [mm]



904771
KonstruX SK
10 x 155 mm

220

904773
KonstruX SK
10 x 220 mm

240

904775
KonstruX SK
10 x 270 mm

260

If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (Technik@eurotec.team).