

safe · timeless · beautiful



markilux 1000 stretch

Remarkably round, narrow widths with large extensions.



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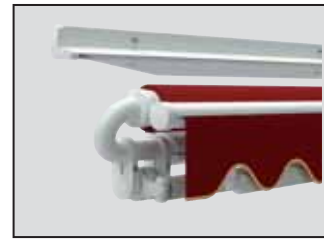
- design features**
- Created by renowned designers.
 - Round, homogeneous transition from the round torque bar to the round roller tube.
 - Conspicuously elegant - a stylish attribute for patio or balcony.
 - Novel curved connecting piece with a colourful decorative stripe creating an attractive visual effect.
 - for long-lasting attractiveness the awning has been powder coated.

- technical highlights**
- The reliable awning with a large number of configuration options.
 - Thanks to this innovative technical solution - tiered arms - large extensions can still be achieved in narrow awnings.
 - The 85 mm roller tube ensures the highest rigidity and the best possible cover winding characteristics even at the largest widths.
 - Folding arms with perfected power transmittance by means of a round, steel-link chain.
 - Folding arms with drop-forged aluminium moving components and Teflon-coated bronze bushes, which provide superior stability and longevity.

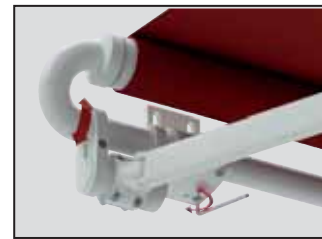
- optional accessories**
- In the case of manual operation ease of use is ensured with the spring-assisted gearbox.
 - Available with the new system coverboard.
 - Hard-wired motor drive (optionally with automatic controls) for simple, relaxed operation.
 - Radio-controlled motor with handheld transmitter for ease of operation - and ergonomically crafted for ease of use.
 - The shadeplus creates an additional room on the patio. Protection from sun, wind and inquisitive glances in one.

· Awning covers made from acrylic fabric or sunsilk snc with self-cleaning effect · The panel joints of the awning cover are ultrasonically bonded to give a better appearance without bothersome stitching · Manual operation includes a markilux stainless steel winding handle - quality to get to grips with · The greater upper to lower arm length ratio gives high lateral awning stability · Fixture brackets are made of extruded aluminium · An easily installed sun and wind sensor provides intelligent control options and necessary protection · The awning is available in non-standard RAL colours · markilux infra-red heating in a compact, aluminium housing. Caressing warmth with no heating-up phase within an area of approx. 9-12 m²

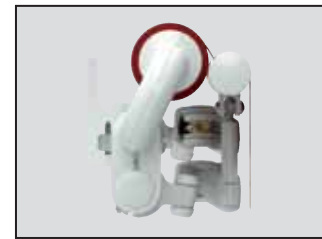
Folding-arm awning markilux 1000 stretch



with system coverboard (optional)



Pitch adjustment via the fixture brackets



Face fixture



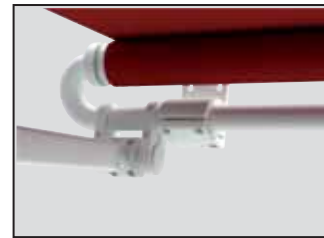
side view at a pitch of 25°



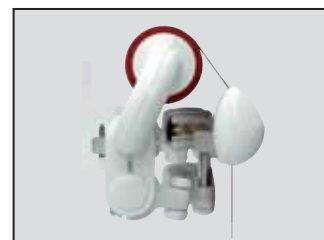
side view showing gearbox eye for manual operation (standard)



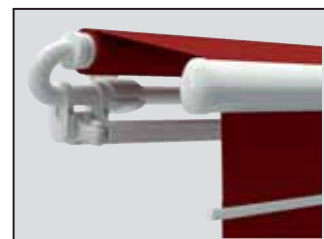
arm fixture to the torque bar



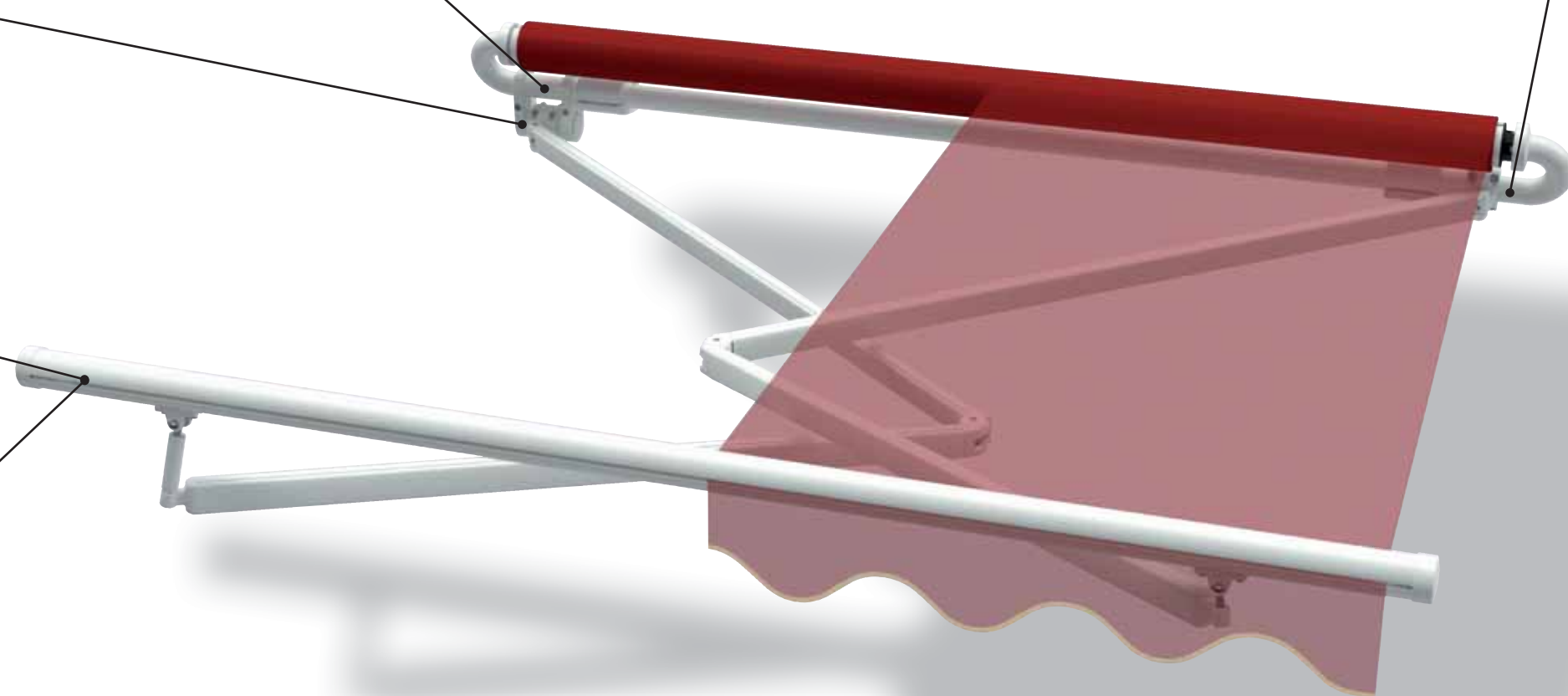
folding arm fixture to second section of torque bar



shadeplus (optional) integrated into the front profile



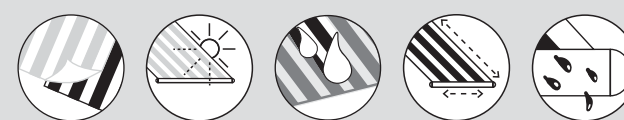
shadeplus (optional) during extension



Standard RAL colours:



standard:



optional accessories:



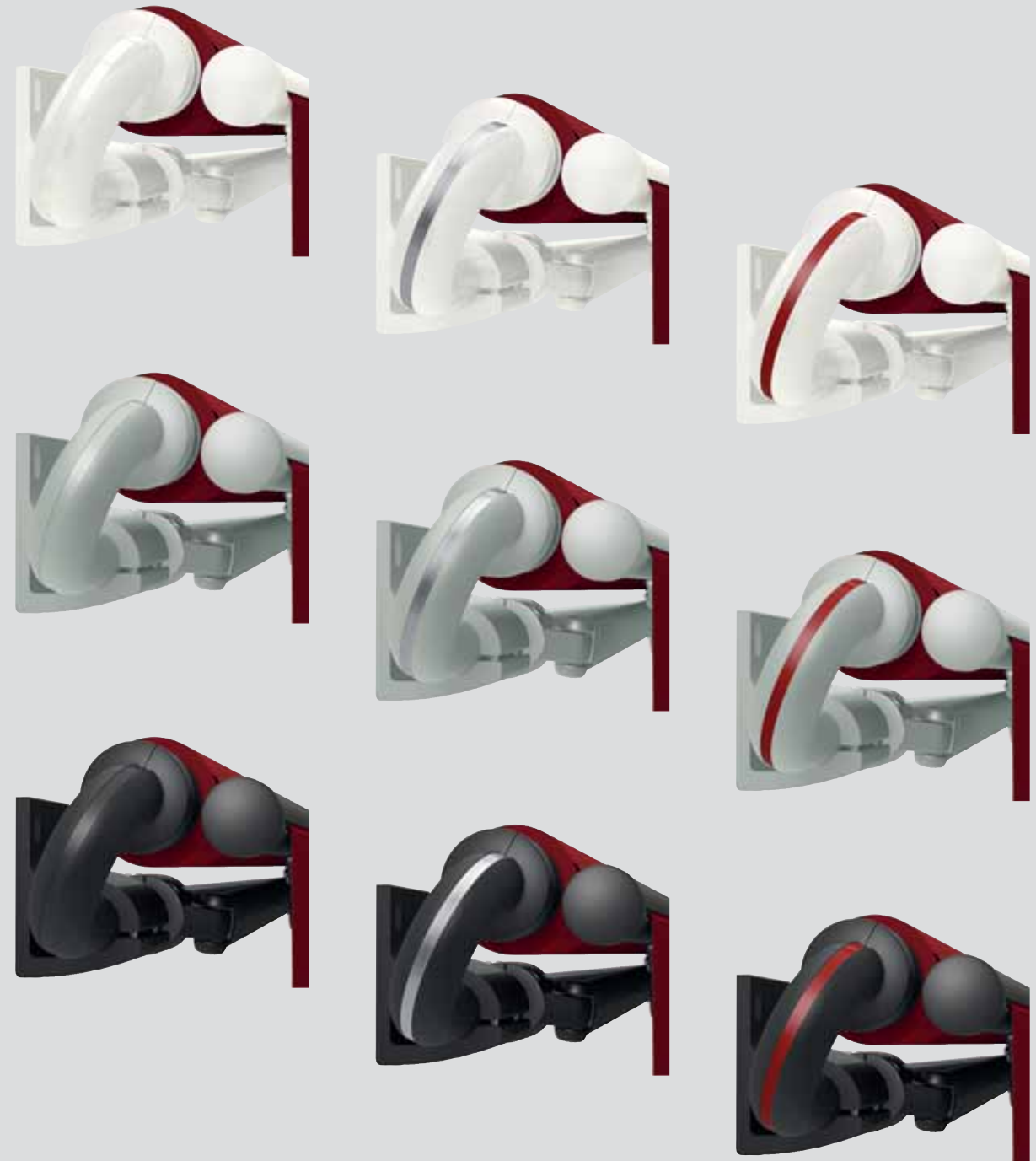
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Choice of colours

frame colours	decorative stripes
traffic white RAL 9016	traffic white RAL 9016
metallic aluminium RAL 9006	metallic aluminium RAL 9006
Nano anthracite metallic 5204	Nano anthracite metallic 5204
	stainless steel
	ruby red



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dimensions and configuration options

extension	Overall blind width								minimum width motor ¹⁰⁾		minimum width manual operation ¹⁰⁾	
	150 125-150	175 151-175	200 176-200	225 201-225	250 226-250	300 251-300	350 301-350	400 351-400	Standard	Bespoke arms	Standard	Bespoke arms
150	28)		13)						138	125	143	130
200		28)			13)				163	150	168	155
250			28)			13)			188	175	193	180
300				28)			13)		213	200	218	205
350					28)			13)	238	225	243	230
400									163	250	268	255

10) the dimensions are only valid for fixture without spreader plates (2 folding arms).

dimensions in cm

13) intermediate widths on request

28) Please note the minimum widths!

 = available, 2 folding arms

operation type	
manual operation with st. steel winding handle	●
Servo-assisted operation	○
radio-controlled motor	○
motor	○
Shadeplus	
manual operation	○
radio-controlled motor	–
motor	○
Lighting	
Halogen Spotlights	–
Fluorescent lighting	–
covers	
acrylic 34 (fabric series 341xx-347xx)	●
sunsilk SNC (fabric series 324xx/329xx)	●
signature (fabric series 369xx)	●
transilk FR (fabric series 319xx)	–
transolair (fabric series 339xx)	–
widely woven acrylic (fabric series 349xx)	○ ¹
perla FR (fabric series 374xx/379xx)	○
Soltis 92	○ ²
PVC fabric	○ ²
miscellaneous	
Coverboard	–
Sytem coverboard	○
wall sealing profile	–
Pitch adjustment gear	–
Insertable side blind	○
sun and wind sensor	○
Valance	● ²
Infrared heater	○
Vibrabox / Sunis sun sensor	○
Coupled units (please refer to fixture)	
coupled unit 2 fields	–
coupled unit 3 fields	–
junction roller	–
one-piece cover (on request)	–

● = fitted as standard

○ = optional accessory

– = not available

○² = PVC/Soltis 92 covers up to a max. extension of 250 cm.

○¹ = widely woven fabric up to a max. extension of 300 cm.

●² = valance shape 2 (please refer to the section "Fabric Collection")

Definition of extension: The extension is measured with the awning extended at a pitch of approx. 15° from the wall over the cover to the leading edge of the front profile. The extension tolerance is - 40mm / + 40mm

In the case of manual operation, assume approx. 16 winding handle revolutions per metre of awning extension.

Extension when using a motor takes approximately 12 seconds per metre.







Definition of shadeplus drop: The shadeplus drop is measured from the bottom edge of the shadeplus profile to the bottom edge of the valance profile. Because of tolerances in fabric thicknesses the drop may be shorter by up to 5 cm.

A manual shadeplus is available in the standard drops of 150 cm and 210 cm (210 cm only in transilk (319xx), transolair (339xx), widely woven fabrics (349xx) seamless or Soltis 92. Shadeplus covers with a drop greater than 170 cm in Soltis 92 will be made with a horizontal seam).

A motorised shadeplus is available in the standard drops of 100 cm (only in transolair (339xx) and seamless plain sunsilk or acrylic fabrics) and 120 cm (only in seamless Soltis 92).

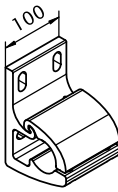
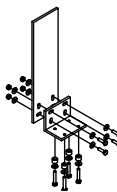
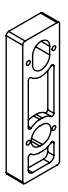
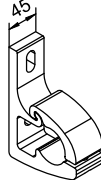
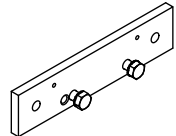
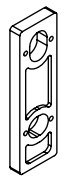
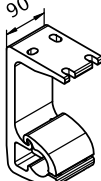
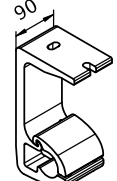
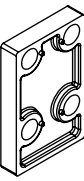
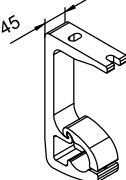
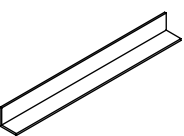

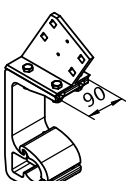
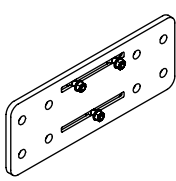
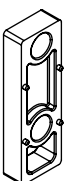
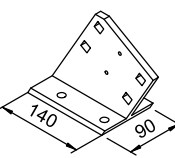
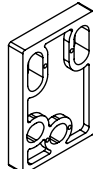

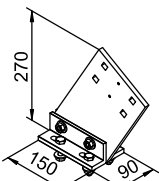
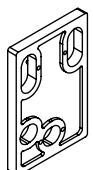
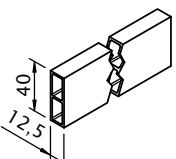
A shadeplus is not possible with PVC covers.

Coupled folding-arm awnings are not available.

frame colours		
	RAL 9016 traffic white	●
	RAL 9006 metallic aluminium	●
	5204 nano-anthracite metallic	●
	RAL 8019 grey brown	○
	RAL 1015 light ivory	○
	non-standard RAL colour	○

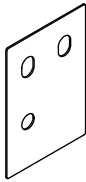
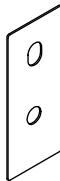
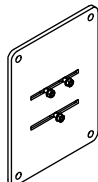
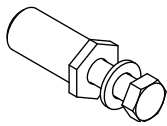
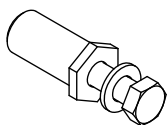
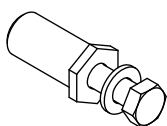
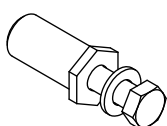
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fixings and accessories

 70867.	Face fixture bracket assembly 100mm	 716620	Angle and fixture plate for eaves fixture machine finish	 718251	Spacer plate for face fixture 45x150x20mm N.B! stack to a max. of 200 mm
 71813.	Face fixture bracket assembly 45mm	 75383.	Additional eaves fixture plate 60x260x12mm	 71826.	Spacer plate for face fixture 45x150x12mm
 70868.	Top fixture bracket assembly 90mm	 70869.	Top fixture bracket assembly assembly for central fixture	 716311	Spacer plate for top fixture 90x140x20mm N.B! stack to a max. of 200 mm
 71818.	Top fixture bracket assembly 45mm	 79380.	Angled profile for eaves fixtures 100x100mm available by the metre, undrilled	 716411	Spacer plate for top fixture 90x140x12mm
 70871.	Eaves fixture bracket assembly 90mm complete set	 75326.	Component assembly spreader plate A 160x430x12mm	 716261	Spacer plate for top fixture 45x140x20mm N.B! stack to a max. of 200 mm
 71612.	Eaves fixture bracket 140mm	 718231	Spacer plate for face fixture 100x150x20mm N.B! stack to a max. of 200 mm	 716371	Spacer plate for top fixture 45x140x12mm
 71659.	Eaves fixture bracket assembly 270mm	 718241	Spacer plate for face fixture 100x150x12mm	 751971	stand-off strip for wall sealing profile available by the metre Fixture example, see face fixture with wall sealing profile

. = Please insert the RAL No. (please refer to the section on "Coatings")

fixings and accessories

 71833.	Cover plate for external insulation 140x200x2mm
 71834.	Cover plate for external insulation 85x200x2mm
 75325.	Component assembly spreader plate B 300x400x12mm
 753891	Reduction assembly M 16 - M 12 / SW 27 50mm length (please refer to "Technical Information")
 754901	Reduction assembly M 10 - M 10 / SW 27 50mm length (please refer to "Technical Information")
 754911	Reduction assembly M 12 - M 10 / SW 27 50mm length (please refer to "Technical Information")
 754921	reducing bolt assembly M 16 - M 10 / SW 27 50mm length (please refer to "Technical Information")

. = Please insert the RAL No.
(please refer to the section on "Coatings")

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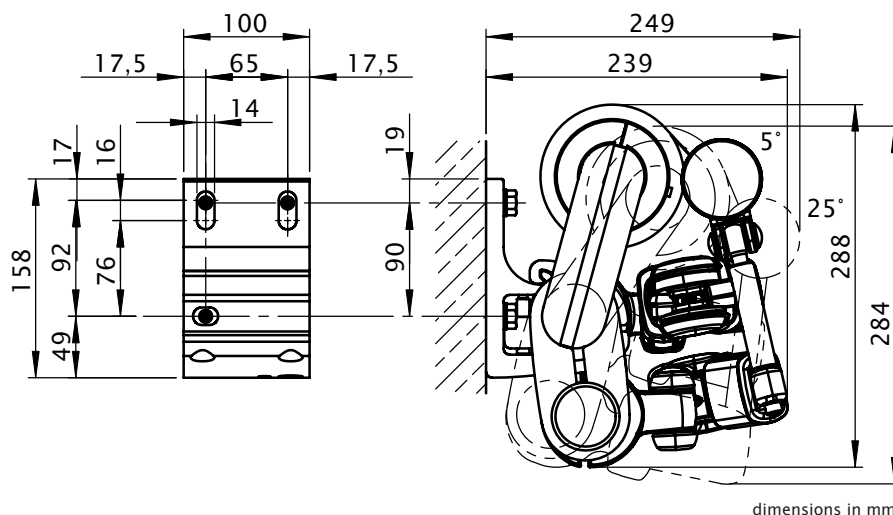
Face fixture

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
	FB [N]								FB [N]							
150	257	284	---	---	---	---	---	---	369	407	---	---	---	---	---	---
200	---	480	523	567	---	---	---	---	---	688	750	812	---	---	---	---
250	---	---	746	809	873	---	---	---	---	---	1069	1160	1251	---	---	---
300	---	---	---	1093	1180	1355	---	---	---	---	---	1566	1691	1942	---	---
350	---	---	---	---	1607	1837	2068	---	---	---	---	---	2304	2634	2963	---
400	---	---	---	---	2255	2602	2949	3296	---	---	---	---	3232	3730	4227	4725
HT BHT	2 100 mm								2 100 mm							
BM	6								6							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 90 mm. If this measurement is reduced, the pull-out force increases by 14% in the case of **compression-proof** substrates and by 19% in the case of **non-compression-proof** substrates.

M = overall awning width
H = extension
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points



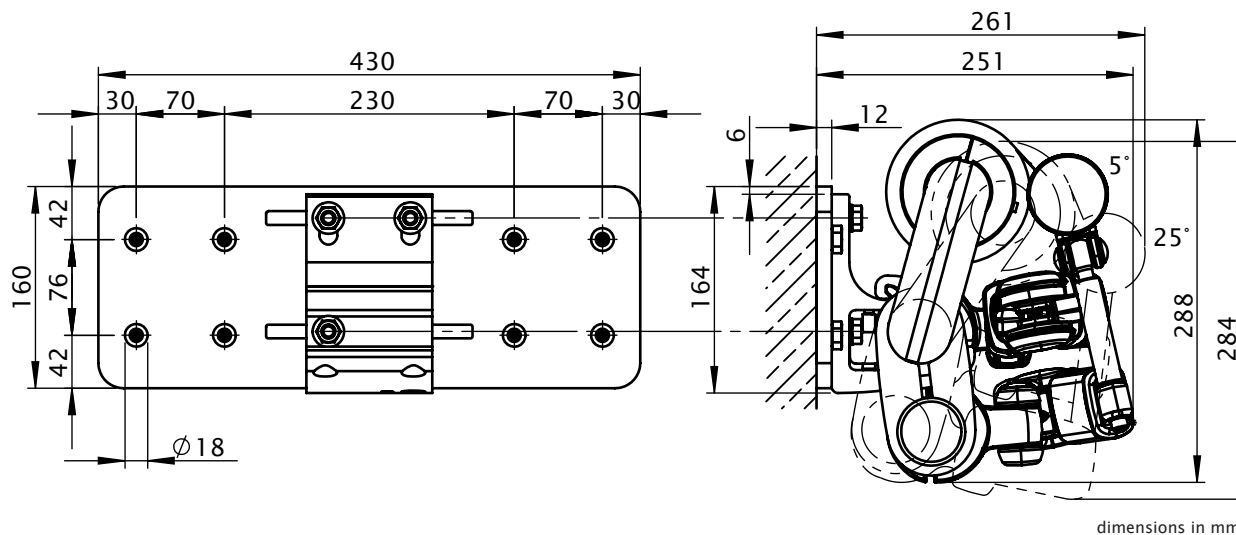
Face fixture with spreader plate A

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

		compression-proof substrate								non compression-proof substrate							
		M [cm]								M [cm]							
		150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
H [cm]		FB [N]								FB [N]							
150		150	166	---	---	---	---	---	---	214	236	---	---	---	---	---	---
200		---	282	307	332	---	---	---	---	---	400	436	471	---	---	---	---
250		---	---	438	474	511	---	---	---	---	---	622	674	727	---	---	---
300		---	---	---	642	693	794	---	---	---	---	---	912	984	1129	---	---
350		---	---	---	---	946	1080	1214	---	---	---	---	---	1344	1535	1726	---
400		---	---	---	---	1331	1535	1739	1943	---	---	---	---	1892	2182	2471	2761
HT BHT		2 100 mm								2 100 mm							
BP		2								2							
BM		16								16							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 76 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = overall awning width
- H = extension
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = no. of spreader plates
- BM = no. of fixing points



dimensions in mm

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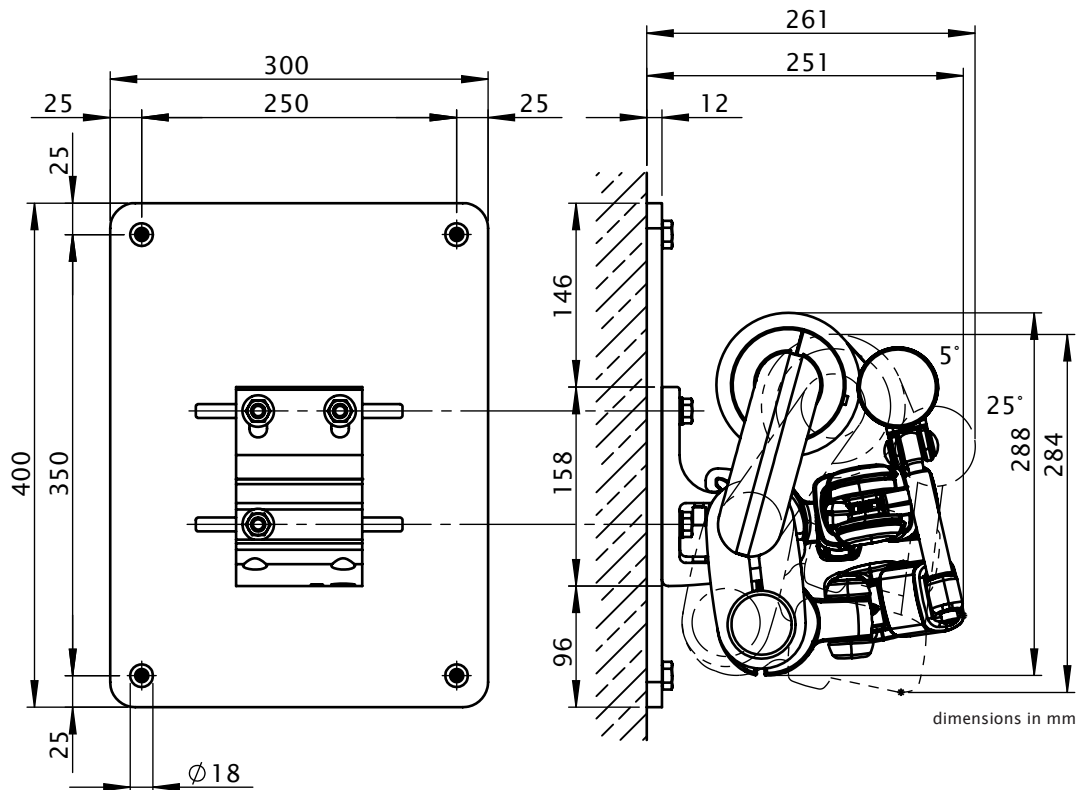
Face fixture with spreader plate B

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
FB [N]																
150	89	98	---	---	---	---	---	---	93	102	---	---	---	---	---	---
200	---	167	181	196	---	---	---	---	---	174	189	205	---	---	---	---
250	---	---	259	281	303	---	---	---	---	---	270	293	316	---	---	---
300	---	---	---	380	410	470	---	---	---	---	---	396	427	490	---	---
350	---	---	---	---	560	639	719	---	---	---	---	---	584	667	750	---
400	---	---	---	---	788	909	1029	1150	---	---	---	---	822	947	1073	1199
HT BHT	2 100 mm								2 100 mm							
BP	2								2							
BM	8								8							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 350 mm.
In the case of spreader plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = extension
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BP = no. of spreader plates
BM = no. of fixing points



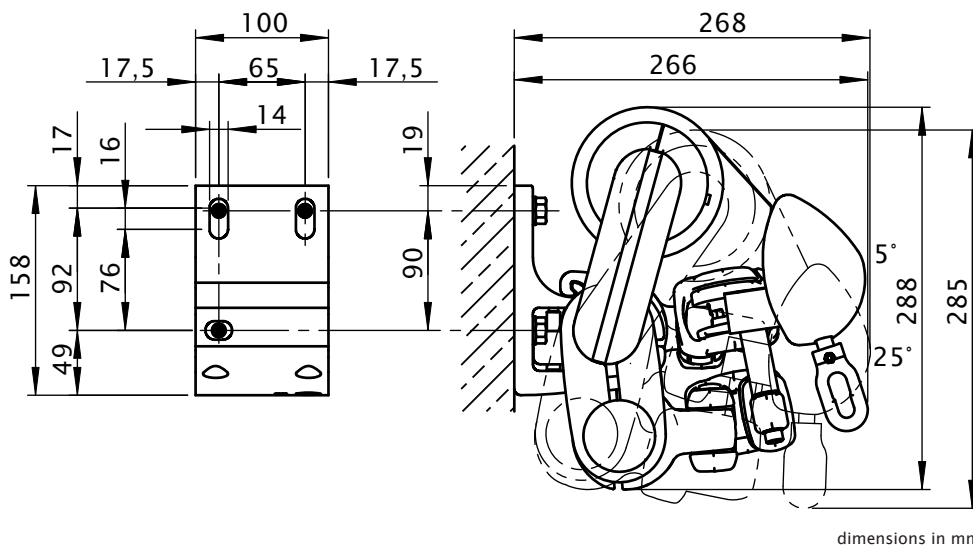
Face fixture with shadeplus

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
FB [N]																
150	340	380	---	---	---	---	---	---	488	544	---	---	---	---	---	---
200	---	608	668	729	---	---	---	---	---	871	958	1044	---	---	---	---
250	---	---	927	1012	1096	---	---	---	---	---	1328	1450	1571	---	---	---
300	---	---	---	1335	1448	1675	---	---	---	---	---	1914	2076	2400	---	---
350	---	---	---	---	1921	2210	2500	---	---	---	---	---	2753	3168	3584	---
400	---	---	---	---	2597	3013	3428	3844	---	---	---	---	3722	4318	4914	5510
HT BHT	2 100 mm								2 100 mm							
BM	6								6							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 90 mm. If this measurement is reduced, the pull-out force increases by 14% in the case of compression-proof substrates and by 19% in the case of non-compression-proof substrates.

- M = overall awning width
- H = extension
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points



dimensions in mm

markilux 1000 stretch

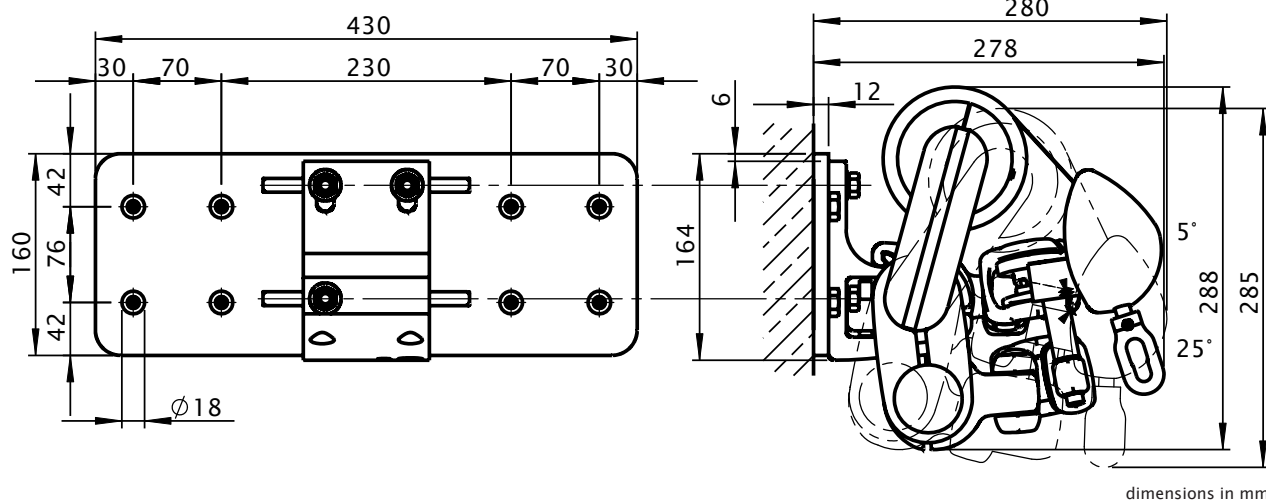
Face fixture with shadeplus and spreader plate A

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
	FB [N]								FB [N]							
150	206	230	---	---	---	---	---	---	292	326	---	---	---	---	---	---
200	---	367	403	439	---	---	---	---	---	521	572	624	---	---	---	---
250	---	---	558	609	660	---	---	---	---	---	793	865	938	---	---	---
300	---	---	---	803	871	1007	---	---	---	---	---	1141	1237	1430	---	---
350	---	---	---	---	1154	1328	1502	---	---	---	---	---	1639	1887	2134	---
400	---	---	---	---	1559	1809	2058	2307	---	---	---	---	2216	2570	2925	3279
HT BHT	2 100 mm								2 100 mm							
BP	2								2							
BM	16								16							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 76 mm.
In the case of spreader plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = extension
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BP = no. of spreader plates
BM = no. of fixing points



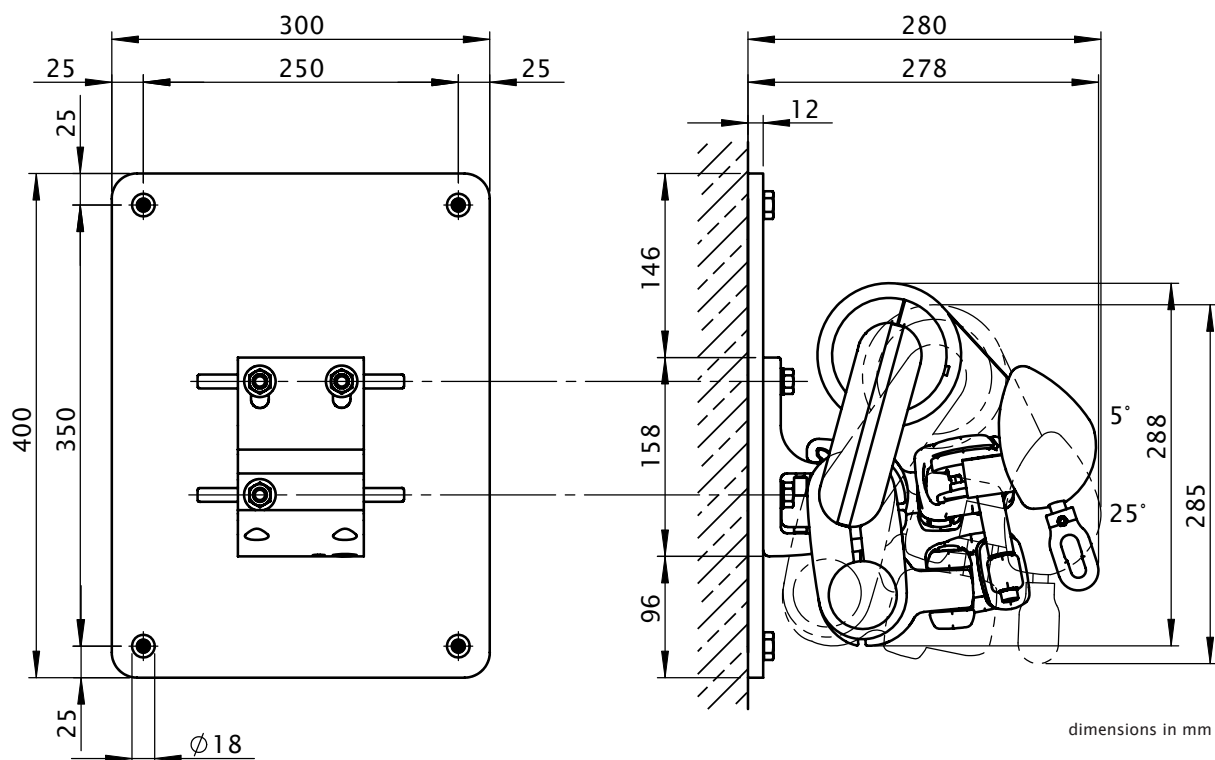
Face fixture with shadeplus and spreader plate B

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
150	122	136	---	---	---	---	---	---	127	142	---	---	---	---	---	---
200	---	217	238	260	---	---	---	---	---	226	249	271	---	---	---	---
250	---	---	330	360	390	---	---	---	---	---	344	376	407	---	---	---
300	---	---	---	475	515	596	---	---	---	---	---	495	537	621	---	---
350	---	---	---	---	683	786	889	---	---	---	---	---	712	819	927	---
400	---	---	---	---	923	1070	1218	1366	---	---	---	---	962	1116	1270	1424
HT BHT	2 100 mm								2 100 mm							
BP	2								2							
BM	8								8							

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 350 mm.
In the case of spreader plates a washer conforming to DIN 9021 must be used.

M = overall awning width
H = extension
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BP = no. of spreader plates
BM = no. of fixing points



dimensions in mm

markilux 1000 stretch

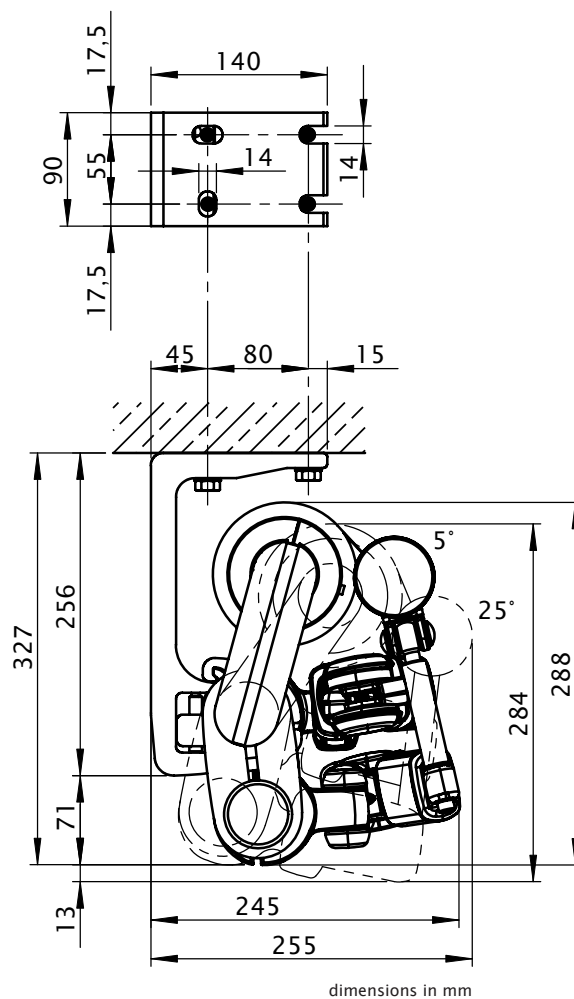
Top fixture

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
FB [N]																
150	321	356	---	---	---	---	---	---	438	485	---	---	---	---	---	---
200	---	577	630	684	---	---	---	---	---	797	869	942	---	---	---	---
250	---	---	880	956	1032	---	---	---	---	---	1222	1327	1431	---	---	---
300	---	---	---	1274	1377	1582	---	---	---	---	---	1777	1919	2204	---	---
350	---	---	---	---	1859	2127	2395	---	---	---	---	---	2601	2974	3346	---
400	---	---	---	---	2593	2993	3394	3794	---	---	---	---	3637	4197	4757	5317
HT BHT	2 90 mm								2 90 mm							
BM	8								8							

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of 80 mm.

M = overall awning width
H = extension
FB = pull-out force per fixing point
HT | BHT = bracket quantity | width
BM = no. of fixing points



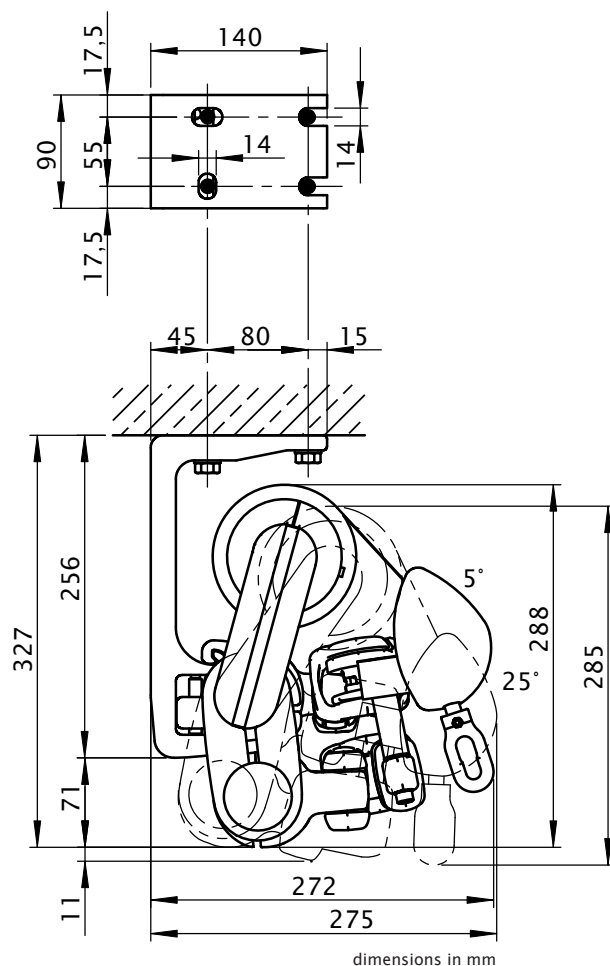
Top fixture with shadeplus

Pull-out force [N=Newton] per fixture point according to EN 13561, wind resistance class 2

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
FB [N]																
150	321	356	---	---	---	---	---	---	438	485	---	---	---	---	---	---
200	---	577	630	684	---	---	---	---	---	797	869	942	---	---	---	---
250	---	---	880	956	1032	---	---	---	---	---	1222	1327	1431	---	---	---
300	---	---	---	1274	1377	1582	---	---	---	---	---	1777	1919	2204	---	---
350	---	---	---	---	1859	2127	2395	---	---	---	---	---	2601	2974	3346	---
400	---	---	---	---	2593	2993	3394	3794	---	---	---	---	3637	4197	4757	5317
HT BHT	2 90 mm								2 90 mm							
BM	8								8							

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of 80 mm.

M = overall awning width
 H = extension
 FB = pull-out force per fixing point
 HT | BHT = bracket quantity | width
 BM = no. of fixing points



markilux 1000 stretch

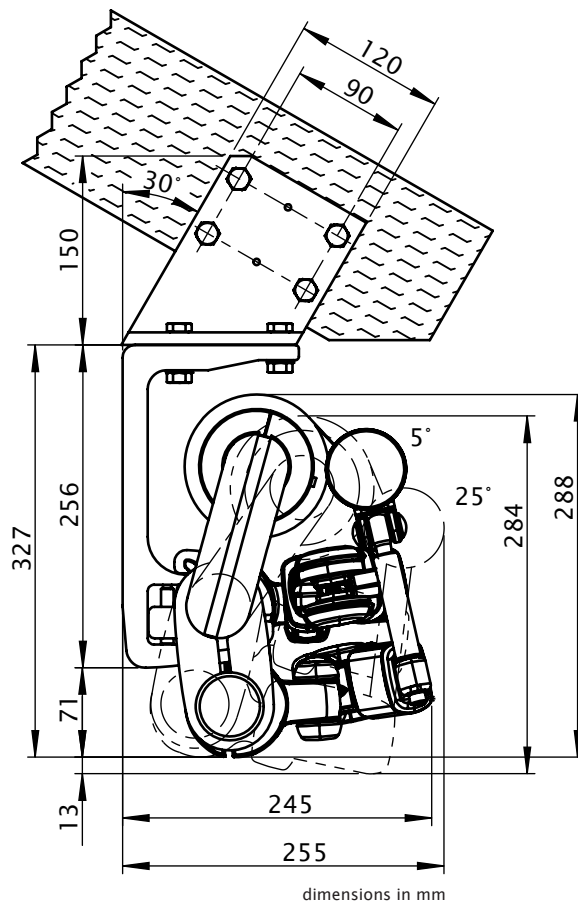
Eaves/Roof timber fixture

Pull-out force [N=Newton] for the fixture bracket next to the arm according to EN 13561, wind resistance class 2

H [cm]	Torque								shear force							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
	Md [Nm]								FS [N]							
150	64	71	---	---	---	---	---	---	788	873	---	---	---	---	---	---
200	---	120	131	142	---	---	---	---	---	1426	1557	1688	---	---	---	---
250	---	---	188	203	219	---	---	---	---	---	2183	2371	2558	---	---	---
300	---	---	---	275	297	341	---	---	---	---	---	3171	3426	3935	---	---
350	---	---	---	---	406	464	521	---	---	---	---	---	4637	5303	5968	---
400	---	---	---	---	572	660	747	835	---	---	---	---	6480	7478	8477	9475
HT	2								2							
BM	8								8							

The shear force are calculated from 2 fixture points per bracket, because depending on the roof pitch it cannot be guaranteed that 4 fixture points per bracket can be used.

M = overall awning width
H = extension
Md = torque value for the bracket next to the arm
FS = shear force
HT = bracket
BM = no. of fixing points



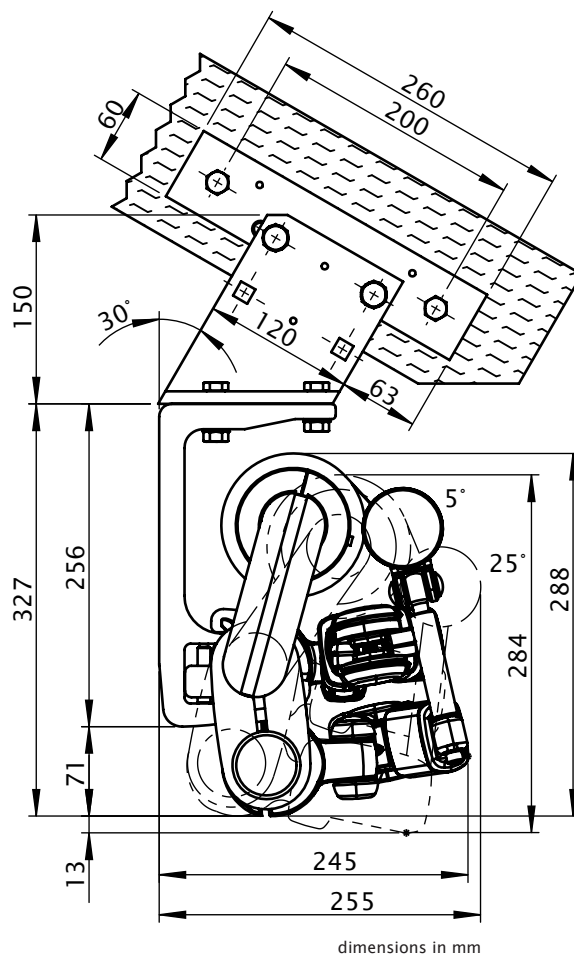
Eaves fixture with additional plate

Pull-out force [N=Newton] for the fixture bracket next to the arm according to EN 13561, wind resistance class 2

H [cm]	Torque								shear force							
	M [cm]								M [cm]							
	150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400
	Md [Nm]								FS [N]							
150	64	71	---	---	---	---	---	---	396	441	---	---	---	---	---	---
200	---	120	131	142	---	---	---	---	---	690	756	821	---	---	---	---
250	---	---	188	203	219	---	---	---	---	---	1038	1129	1220	---	---	---
300	---	---	---	275	297	341	---	---	---	---	---	1489	1610	1853	---	---
350	---	---	---	---	406	464	521	---	---	---	---	---	2156	2469	2782	---
400	---	---	---	---	572	660	747	835	---	---	---	---	2985	3448	3911	4374
HT	2								2							
BM	4								4							

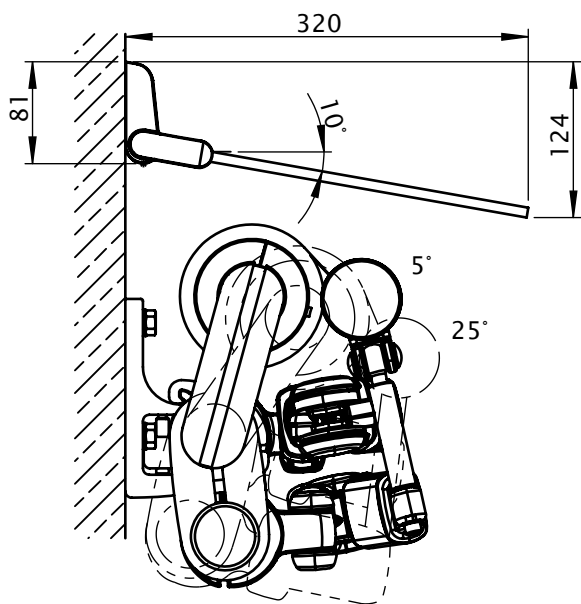
By using the additional flat plate, the shear force is reduced in comparison with conventional eaves fixture.

M = overall awning width
H = extension
Md = torque value for the bracket next to the arm
FS = shear force
HT = bracket
BM = no. of fixing points

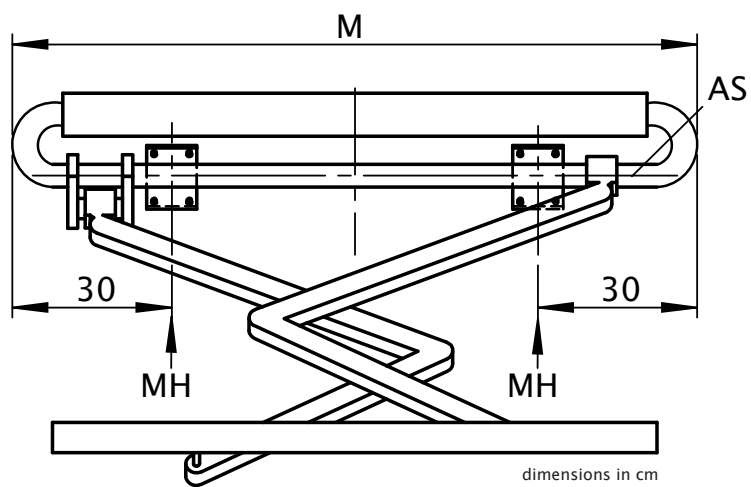


markilux 1000 stretch

Face fixture with coverboard



dimensions in cm

*markilux 1000 stretch***Bracket range for awnings with 2 folding arms**

M = overall awning width
 MH = bracket centre
 AS = operation side