

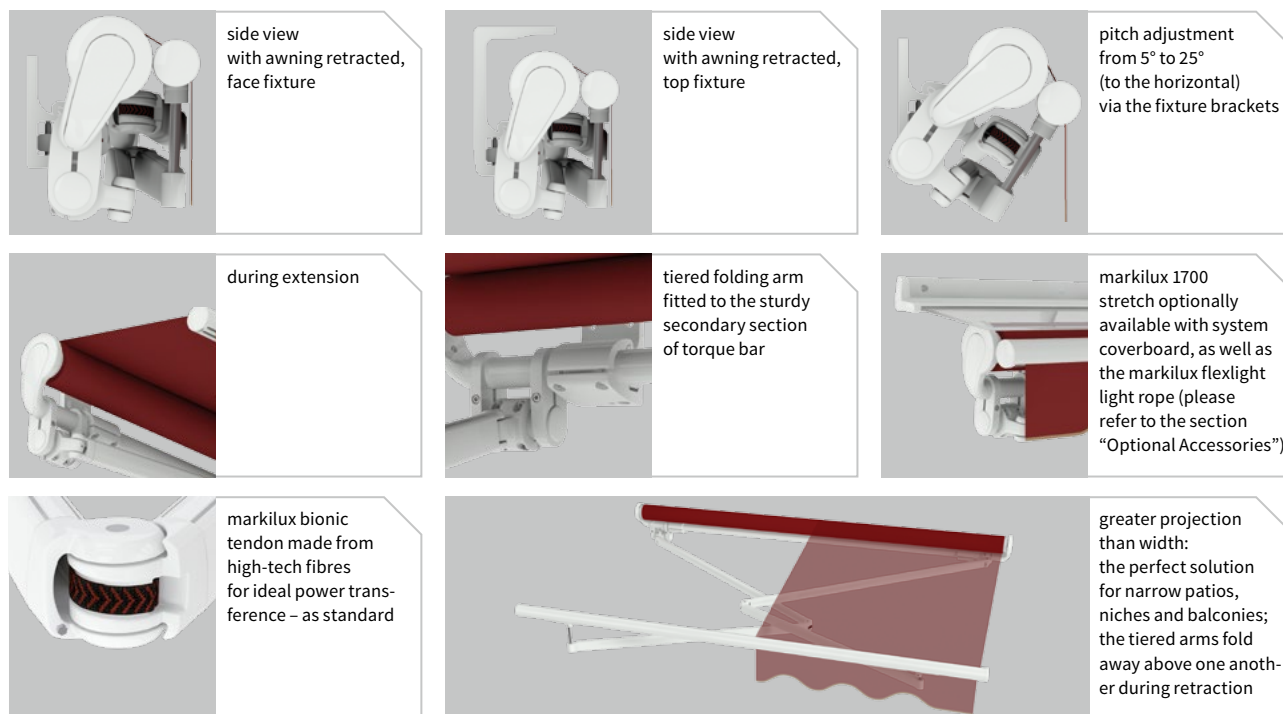


markilux 1700 stretch

Striking design, proven technology – the elegant open awning
The perfect solution for narrow patios, niches and balconies

**rated to wind resistance class 2
(corresponds to Beaufort 5)**





Design Features

the classic shape of an open patio awning with a stylish new look

the transition from torque bar to roller tube is curved and homogeneous

side caps available in polished chrome offer an optional designer touch

Technical Specification

thanks to this innovative technical solution – tiered arms – large projections can still be achieved in narrow awnings

attractive front profile made of extruded aluminium with integrated gutter and water drainage spouts

sturdy, round steel torque bar, 50 mm Ø, to prevent twist and deflection

the 85 mm roller tube ensures the highest rigidity and the best possible cover winding characteristics even at the largest widths

unique arm technology with power transference by way of the highly tear-resistant bionic tendon made of high-tech fibres, achieving at least 50,000 cycles in tests by the Fraunhofer Institute

Optional Accessories

hard-wired motor operation (optionally with automatic weather controls) for straightforward and easy operation

radio-controlled motor with hand-held remote control for ease of use

in the case of manual operation, ease of use is ensured with the spring-assisted gearbox

available with the transparent system coverboard

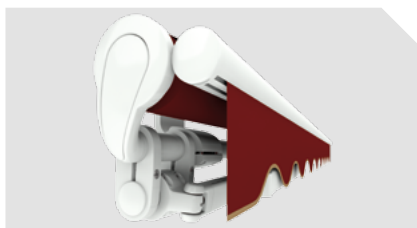
awning available in non-standard RAL colours

Lounge colours / Combinations

markilux 1700 stretch

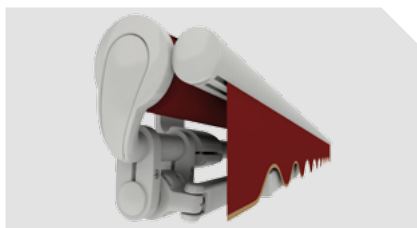
traffic white

RAL 9016

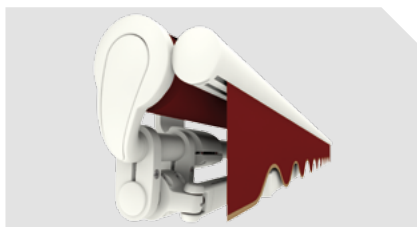


metallic aluminium

RAL 9006

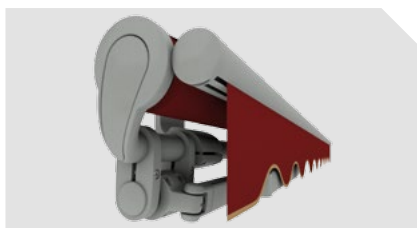


off-white textured finish 5233



stone grey metallic

5215

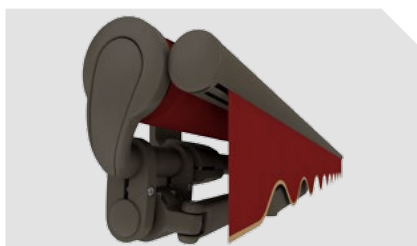


anthracite metallic

5204



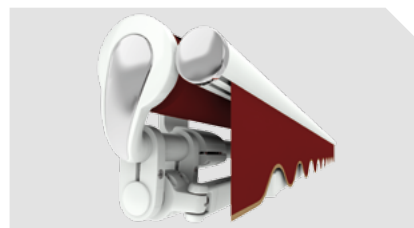
Havanna brown textured finish* 5229



End caps in polished chrome

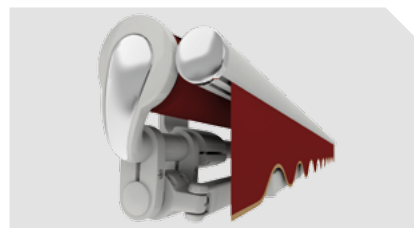
traffic white

RAL 9016

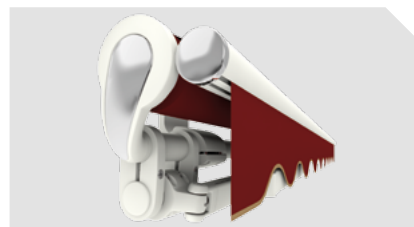


metallic aluminium

RAL 9006

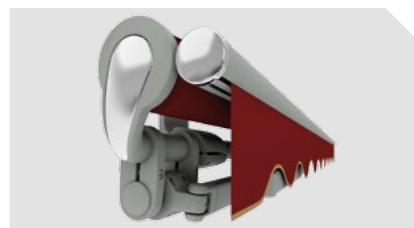


off-white textured finish 5233



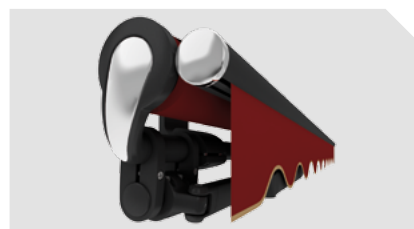
stone grey metallic

5215

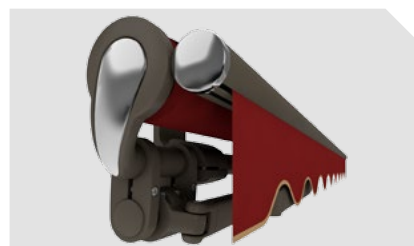


anthracite metallic

5204




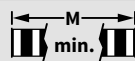






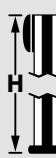
Havanna brown textured finish* 5229

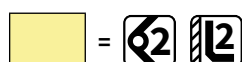


* optional at a surcharge

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

Dimensions and configuration options

												
	150	175	200	225	250	300	350	400				
	123 150	151 175	176 200	201 225	226 250	251 300	301 350	351 400				
	150	2)	1)	—	—	—	—	—	130	123	132	125
	200	—	2)	—	1)	—	—	—	155	148	157	150
	250	—	—	2)	—	1)	—	—	180	173	182	175
	300	—	—	2)	—	—	1)	—	205	198	207	200
	350	—	—	—	2)	—	1)	1)	230	223	232	225
	400	—	—	—	2)	—	—	3)	255	248	257	250



dimensions in cm

1) intermediate widths on request

3) awnings with 4 m extension are only available with motor (surcharge)

2) please note the minimum widths!



Operation / Drive

	standard	optional
manual operation	<input checked="" type="checkbox"/>	—
servo-assisted operation	—	<input checked="" type="checkbox"/>
hard-wired motor	—	<input checked="" type="checkbox"/>
io radio controls	—	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>

Covers

	fabric range no.	standard	optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/>	—
sunsilk perla FR	374 ..	—	<input checked="" type="checkbox"/>
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/>	—
sunvas perla	370 ..	—	<input checked="" type="checkbox"/>


Dimensions and tolerances


	width		projection
			
housing tolerances	+5 / -5 mm		±40 mm
awning cover width = awning width	- 100 mm	- 135 mm	
awning cover length = awning projection			+150 mm

Miscellaneous


	standard	optional
bionic tendon	<input checked="" type="checkbox"/>	—
system coverboard	—	<input checked="" type="checkbox"/>
light and wind sensor	—	<input checked="" type="checkbox"/>
insertable side blind	—	<input checked="" type="checkbox"/>
valance	<input checked="" type="checkbox"/> ⁴⁾	—
infrared heater	—	<input checked="" type="checkbox"/>
vibrabox / radio control light sensor Sunis WireFree	—	<input checked="" type="checkbox"/>


4) valance shape 2 (please refer to the section “markilux Collection”)

 = motor


 = manual operation

M = awning width

 = no. of folding arms

 = no. of bespoke arms

M min. = minimum widths


 = no. of brackets

H = projection

Frame colours

		standard	optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown, similar to	RAL 8019		
light ivory	RAL 1015		
anthracite metallic	5204		
stone grey metallic	5215		
off-white textured finish	5233		
Havanna brown textured finish	5229		
non-standard powder-coated finish			

Other end cap colour options

	standard	optional
polished chrome		

Additional information

The width of the awning cover is always **less** than that of the awning.

Definition of operation side:

The operation side is given looking at the awning from the outside (right or left).

Pitch adjustment range:

from 5° to 25° (to the horizontal).

Definition of projection:

please refer to the section “Technical Information”.

In the case of manual operation approximately **16 winding handle revolutions can be assumed per metre of awning projection.**

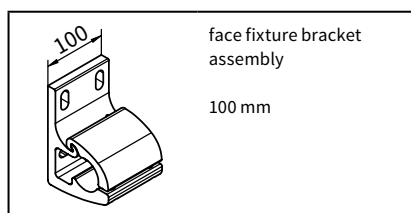
It takes approximately **12 seconds per metre** to extend a **motor-driven awning.**

This model is only available as a single unit.

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

Fixtures, fittings and accessories

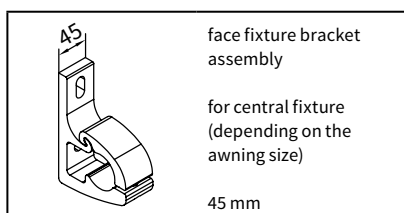
Fixture brackets



70867.

face fixture bracket
assembly

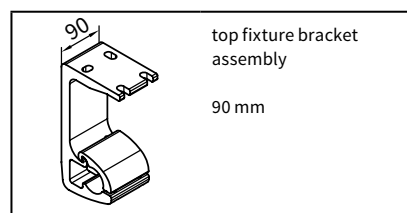
100 mm



71813.

face fixture bracket
assemblyfor central fixture
(depending on the
awning size)

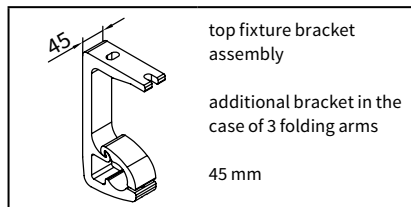
45 mm



70868.

top fixture bracket
assembly

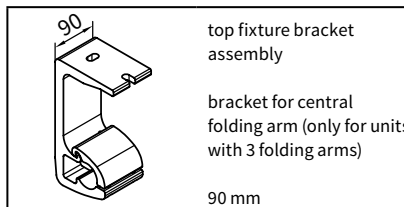
90 mm



71818.

top fixture bracket
assemblyadditional bracket in the
case of 3 folding arms

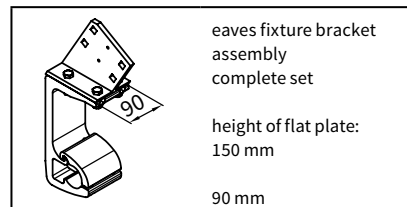
45 mm



70869.

top fixture bracket
assemblybracket for central
folding arm (only for units
with 3 folding arms)

90 mm

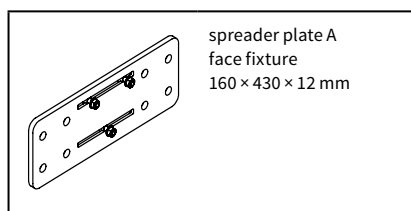


70871.

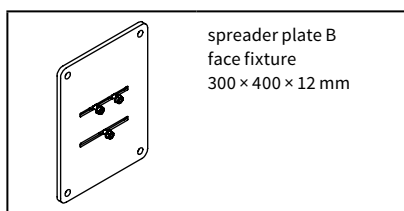
eaves fixture bracket
assembly
complete setheight of flat plate:
150 mm

90 mm

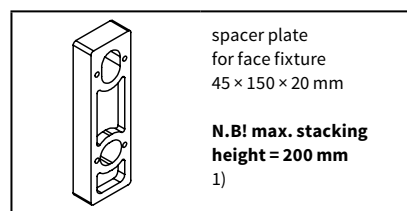
Spreader and spacer plates



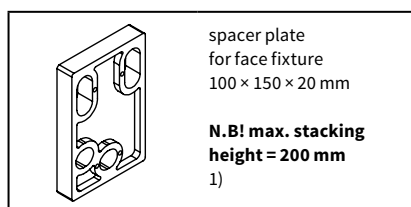
75326.

spreader plate A
face fixture
160 × 430 × 12 mm

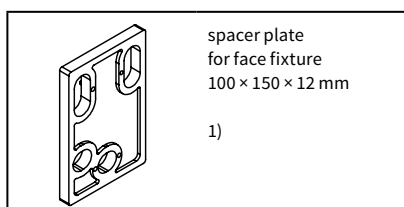
75325.

spreader plate B
face fixture
300 × 400 × 12 mm

718251

spacer plate
for face fixture
45 × 150 × 20 mm**N.B! max. stacking
height = 200 mm**
1)

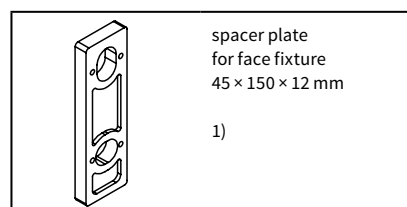
718231

spacer plate
for face fixture
100 × 150 × 20 mm**N.B! max. stacking
height = 200 mm**
1)

718241

spacer plate
for face fixture
100 × 150 × 12 mm

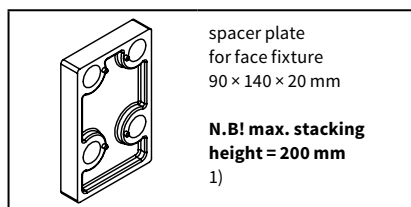
1)



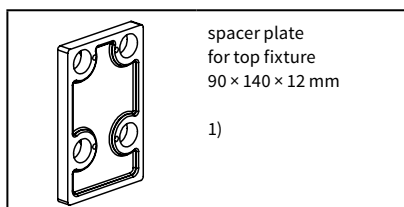
71826.

spacer plate
for face fixture
45 × 150 × 12 mm

1)



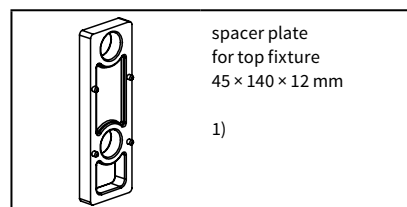
716311

spacer plate
for face fixture
90 × 140 × 20 mm**N.B! max. stacking
height = 200 mm**
1)

716411

spacer plate
for top fixture
90 × 140 × 12 mm

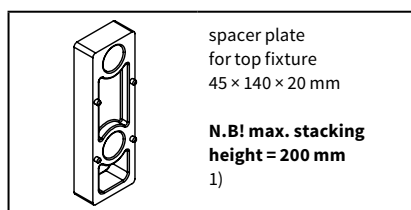
1)



716371

spacer plate
for top fixture
45 × 140 × 12 mm

1)



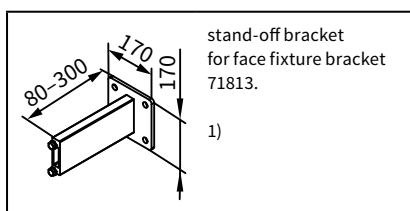
716261

spacer plate
for top fixture
45 × 140 × 20 mm**N.B! max. stacking
height = 200 mm**
1)

1) please refer to the section "Technical Information"

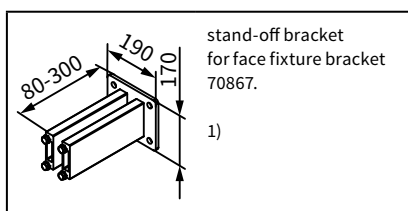
. = insert RAL colour code no

Stand-off brackets



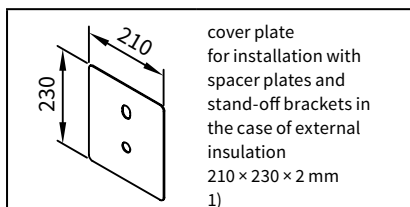
stand-off bracket
for face fixture bracket
71813.

1)

77967.

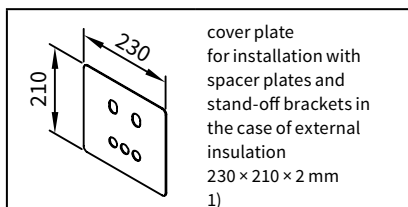
stand-off bracket
for face fixture bracket
70867.

1)

77968.

cover plate
for installation with
spacer plates and
stand-off brackets in
the case of external
insulation
210 × 230 × 2 mm

1)

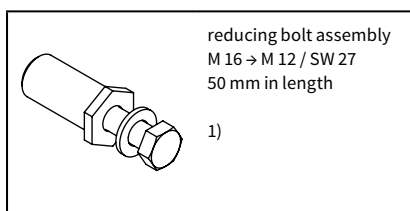
71844.

cover plate
for installation with
spacer plates and
stand-off brackets in
the case of external
insulation
230 × 210 × 2 mm

1)

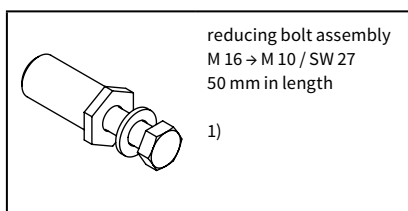
71843.

Accessories



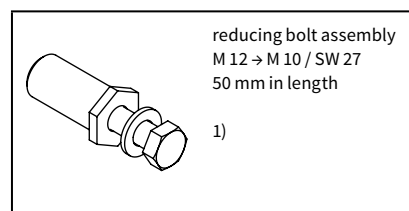
reducing bolt assembly
M 16 → M 12 / SW 27
50 mm in length

1)

753891

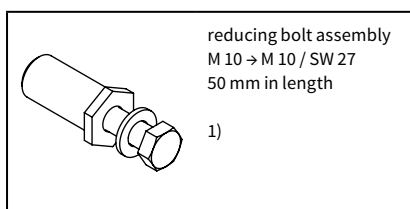
reducing bolt assembly
M 16 → M 10 / SW 27
50 mm in length

1)

754921

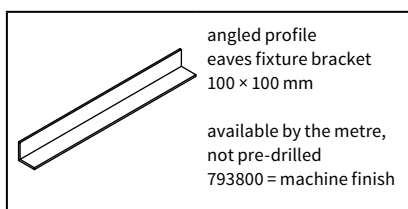
reducing bolt assembly
M 12 → M 10 / SW 27
50 mm in length

1)

754911

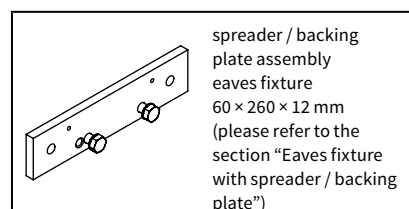
reducing bolt assembly
M 10 → M 10 / SW 27
50 mm in length

1)

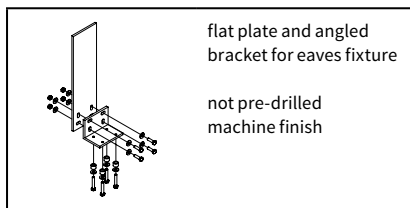
754901

angled profile
eaves fixture bracket
100 × 100 mm

available by the metre,
not pre-drilled
793800 = machine finish

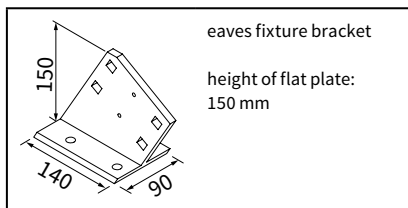
79380.

spreader / backing
plate assembly
eaves fixture
60 × 260 × 12 mm
(please refer to the
section "Eaves fixture
with spreader / backing
plate")

75383.

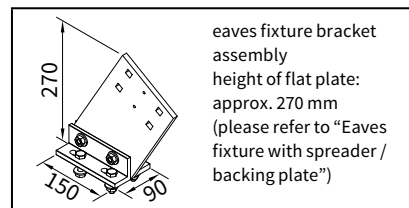
flat plate and angled
bracket for eaves fixture

not pre-drilled
machine finish

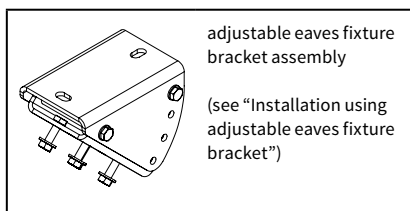
716620

eaves fixture bracket

height of flat plate:
150 mm

71612.

eaves fixture bracket
assembly
height of flat plate:
approx. 270 mm
(please refer to "Eaves
fixture with spreader /
backing plate")

71659.

adjustable eaves fixture
bracket assembly

(see "Installation using
adjustable eaves fixture
bracket")

71198.

1) please refer to the section "Technical Information"

. = insert RAL colour code no

Face fixture

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

Compression-proof substrate

M [cm]

150	175	200	225	250	300	350	400
-----	-----	-----	-----	-----	-----	-----	-----

H [cm]

FB [N]

150	270	297	-	-	-	-	-
200	-	504	548	592	-	-	-
250	-	-	783	848	912	-	-
300	-	-	-	1147	1236	1413	-
350	-	-	-	-	1669	1902	2135
400	-	-	-	-	2356	2707	3057

Non compression-proof substrate

M [cm]

150	175	200	225	250	300	350	400
-----	-----	-----	-----	-----	-----	-----	-----

FB [N]

150	387	426	-	-	-	-	-
200	-	722	785	849	-	-	-
250	-	-	1123	1215	1308	-	-
300	-	-	-	1644	1771	2025	-
350	-	-	-	-	2392	2726	3061
400	-	-	-	-	3377	3879	4382

HT | BHT

2 | 100 mm

2 | 100 mm

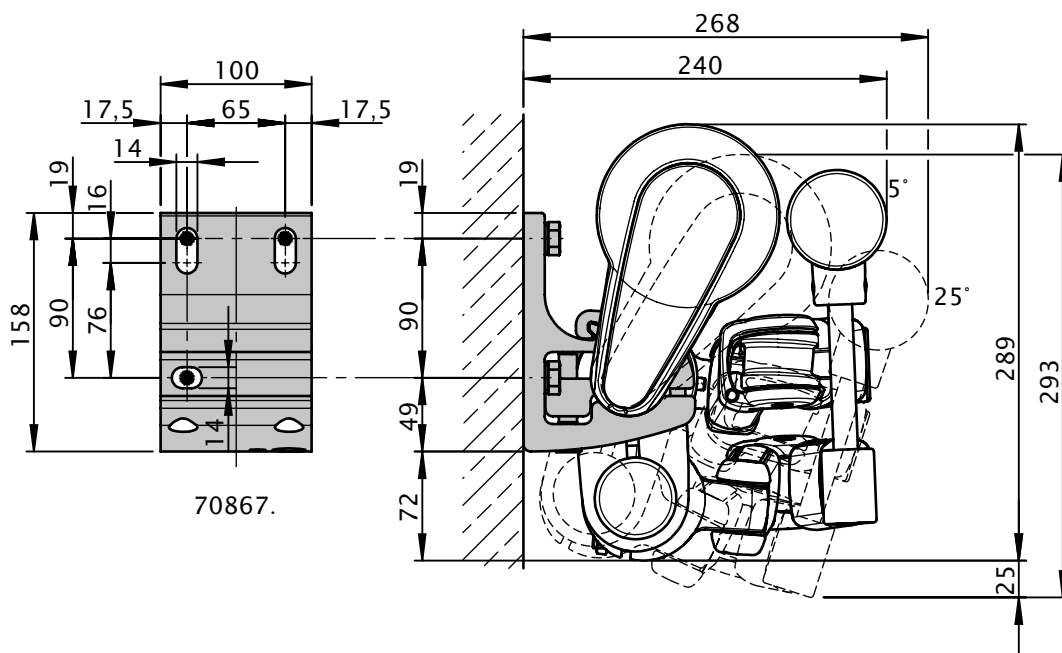
BM

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 to the minimum, 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 = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- 70867. = face fixture bracket assembly 100 mm



dimensions in mm

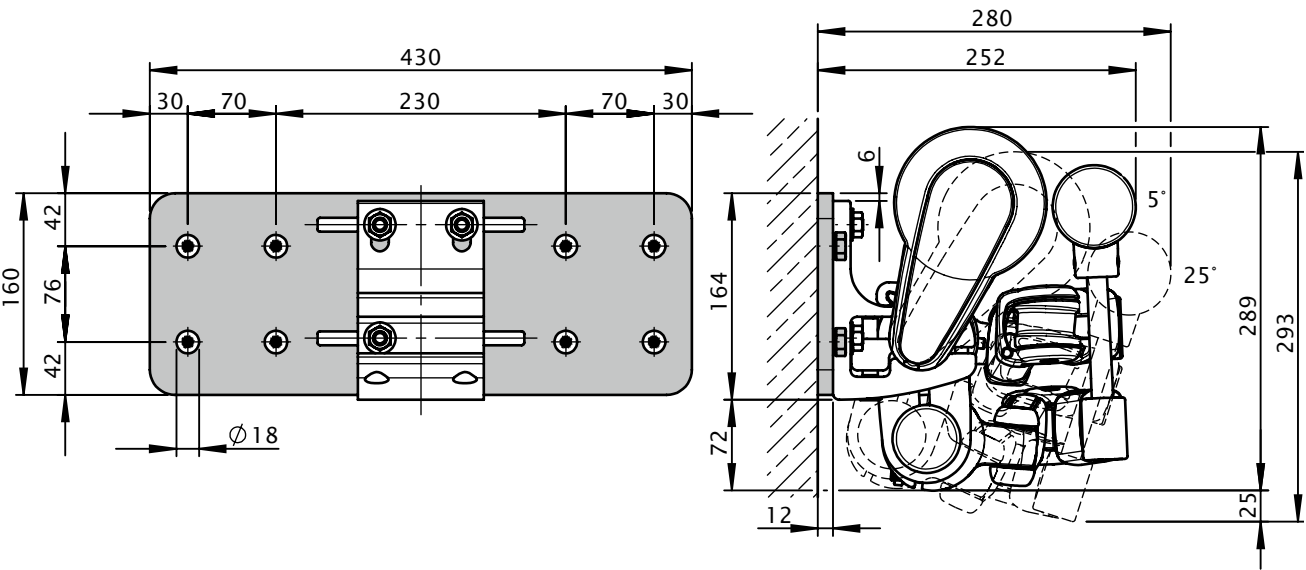
Face fixture with spreader plate A

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

Compression-proof substrate									Non compression-proof substrate								
M [cm]									M [cm]								
H [cm]									H [cm]								
FB [N]									FB [N]								
150	179	198	-	-	-	-	-	-	255	281	-	-	-	-	-	-	-
200	-	328	357	386	-	-	-	-	-	466	508	549	-	-	-	-	-
250	-	-	504	546	588	-	-	-	-	-	716	775	835	-	-	-	-
300	-	-	-	731	788	902	-	-	-	-	-	1039	1120	1282	-	-	-
350	-	-	-	-	1056	1204	1353	-	-	-	-	-	1500	1711	1923	-	-
400	-	-	-	-	1485	1707	1930	2153	-	-	-	-	2110	2426	2743	3059	-
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 = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = no. of spreader plates
- BM = no. of fixing points
- 751971 = stand-off strip for wall sealing profile



dimensions in mm

Face fixture with spreader plate B

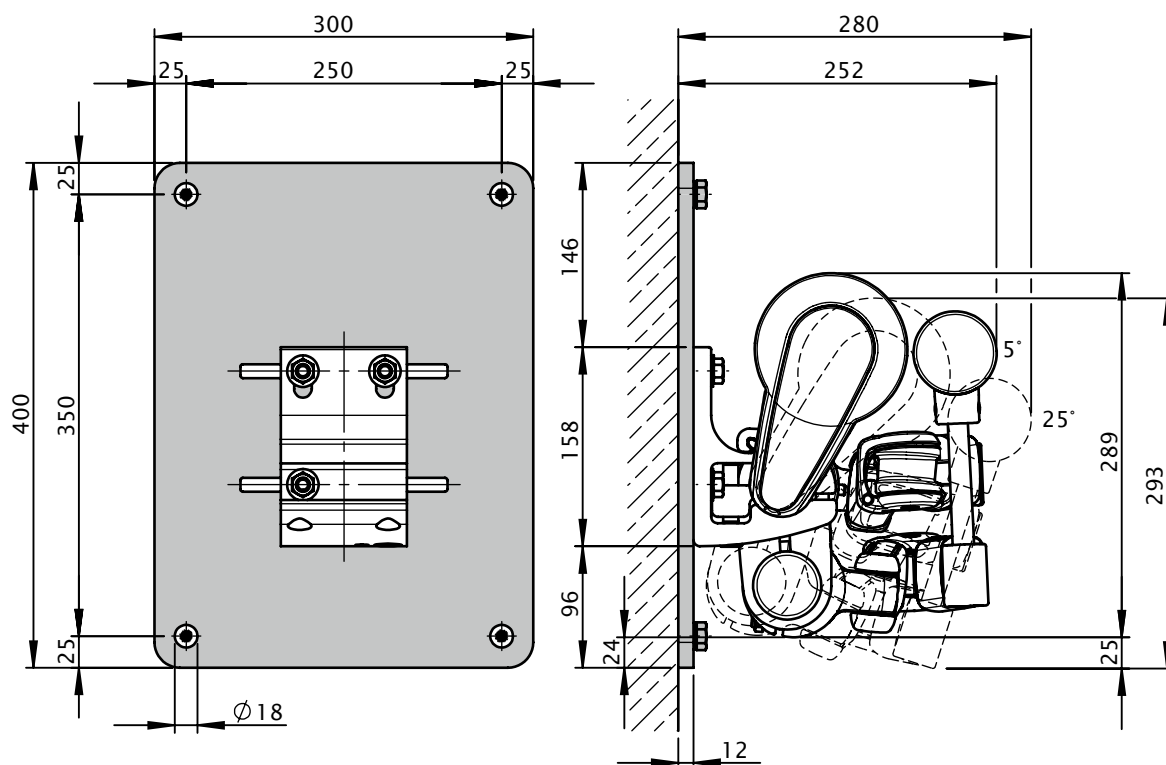
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

Compression-proof substrate									Non compression-proof substrate							
M [cm]									M [cm]							
H [cm]									H [cm]							
FB [N]									FB [N]							
150	175	200	225	250	300	350	400		150	175	200	225	250	300	350	400
150	97	106	-	-	-	-	-	-	101	111	-	-	-	-	-	-
200	-	180	196	211	-	-	-	-	-	188	204	220	-	-	-	-
250	-	-	279	302	325	-	-	-	-	-	291	315	339	-	-	-
300	-	-	-	408	440	503	-	-	-	-	-	426	459	524	-	-
350	-	-	-	-	593	676	759	-	-	-	-	-	619	705	792	-
400	-	-	-	-	837	962	1086	1211	-	-	-	-	873	1003	1133	1263
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 = awning width
H = projection
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

Face fixture with stand-off brackets

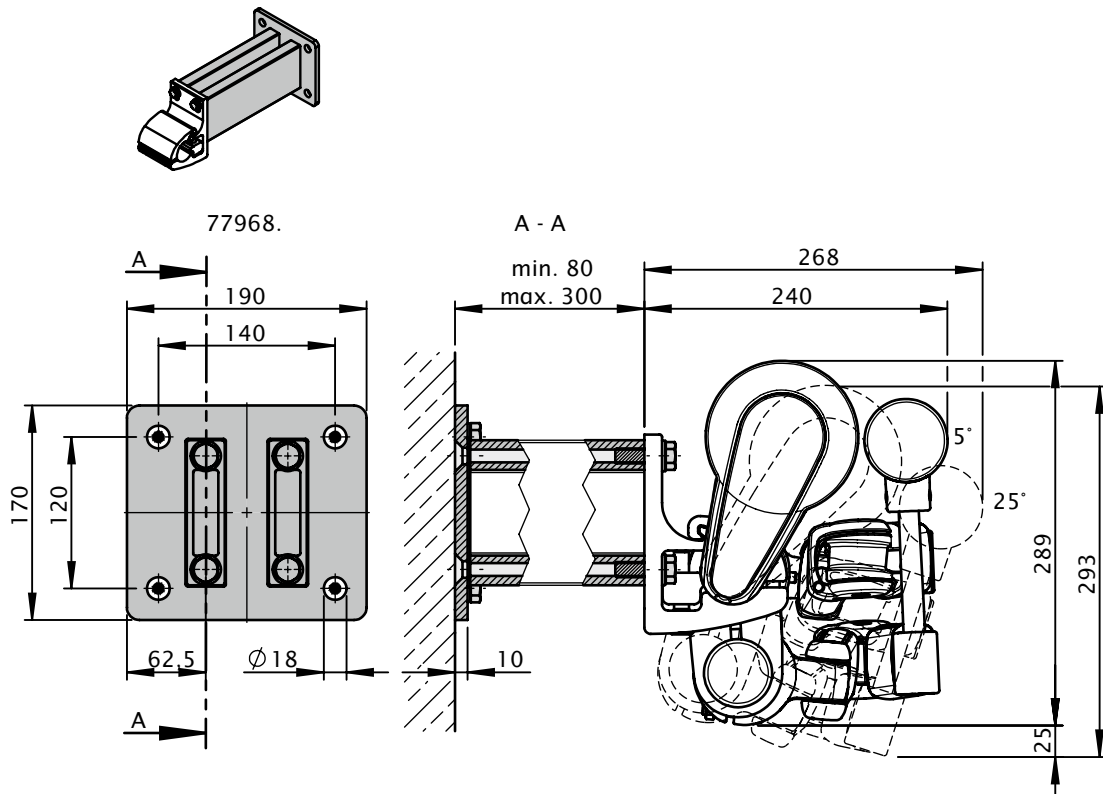
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

Compression-proof substrate									Non compression-proof substrate								
M [cm]									M [cm]								
H [cm]									H [cm]								
FB [N]									FB [N]								
150	342	376	-	-	-	-	-	-	385	423	-	-	-	-	-	-	-
200	-	604	656	709	-	-	-	-	-	680	738	797	-	-	-	-	-
250	-	-	904	978	1052	-	-	-	-	-	1017	1100	1183	-	-	-	-
300	-	-	-	1289	1388	1586	-	-	-	-	-	1450	1562	1785	-	-	-
350	-	-	-	-	1839	2095	2351	-	-	-	-	-	2069	2357	2645	-	-
400	-	-	-	-	2559	2939	3319	3699	-	-	-	-	2878	3306	3734	4161	-
HT BHT	2 100 mm								2 100 mm								
DH 77968.	2								2								
BM	8								8								

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **120 mm**.

In the case of stand-off brackets washers conforming to DIN 9021 must be used.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- DH = no. of stand-off brackets
- 77968. = stand-off bracket for face fixture bracket assembly 70867.



dimensions in mm

Top fixture

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

Compression-proof substrate

M [cm]

H [cm]	150	175	200	225	250	300	350	400
150	345	383	-	-	-	-	-	-
200	-	619	675	732	-	-	-	-
250	-	-	944	1024	1104	-	-	-
300	-	-	-	1366	1473	1688	-	-
350	-	-	-	-	1968	2246	2525	-
400	-	-	-	-	2752	3165	3578	3991

Non compression-proof substrate

M [cm]

H [cm]	150	175	200	225	250	300	350	400
150	472	523	-	-	-	-	-	-
200	-	856	934	1011	-	-	-	-
250	-	-	1313	1423	1533	-	-	-
300	-	-	-	1906	2055	2354	-	-
350	-	-	-	-	2753	3142	3531	-
400	-	-	-	-	3861	4439	5018	5596

HT BHT	2 90 mm
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HT BHT	2 90 mm
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BM	8
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BM	8
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The pull-out force refers to the vertical centre to centre measurement between the fixture points of **80 mm**. If the awning is fitted with two brackets per folding arm the pull-out force may be halved.

Place the brackets immediately to the left and right of the arm bearer.

M = awning width

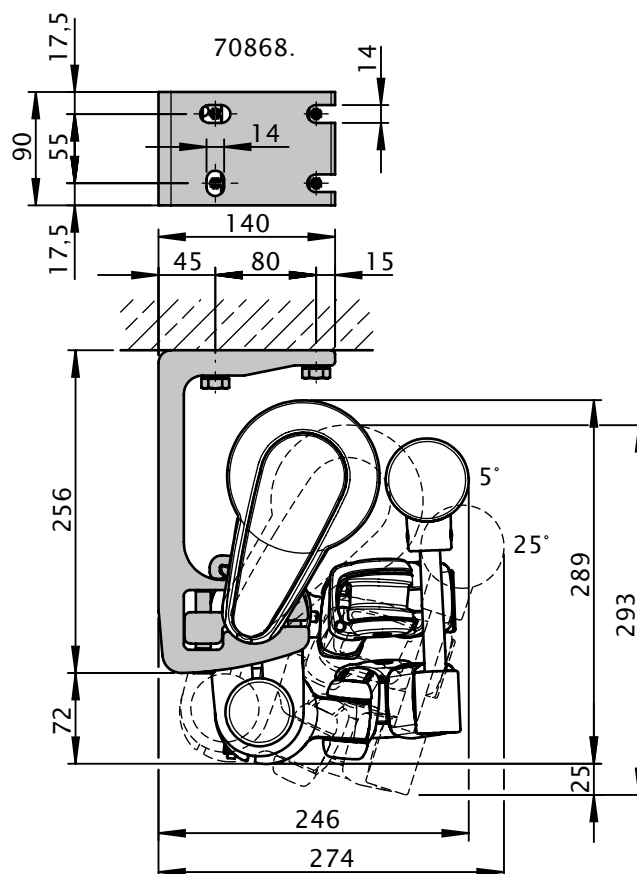
BM = no. of fixing points

H = projection

70868. = top fixture bracket assembly 90 mm

FB = pull-out force per fixing point

HT | BHT = bracket quantity | width



dimensions in mm

Eaves fixture

Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

		Torque M [cm]										Shear force M [cm]							
		150	175	200	225	250	300	350	400			150	175	200	225	250	300	350	400
H [cm]	Md [Nm]											FS [N]							
150	70	77	-	-	-	-	-	-	-	848	939	-	-	-	-	-	-	-	-
200	-	130	141	153	-	-	-	-	-	-	1532	1671	1810	-	-	-	-	-	-
250	-	-	202	219	235	-	-	-	-	-	-	2345	2543	2740	-	-	-	-	-
300	-	-	-	296	319	365	-	-	-	-	-	-	3401	3667	4201	-	-	-	-
350	-	-	-	-	431	491	551	-	-	-	-	-	-	4909	5603	6296	-	-	-
400	-	-	-	-	608	698	789	879	-	-	-	-	-	6878	7909	8940	9970	-	-
HT	2								2										
BM	8								8										

The shear force is calculated on the basis of 2 fixing points per bracket, because – depending on the roof pitch – it cannot be guaranteed that 4 fixing points per bracket can be used.

M = awning width

H = projection

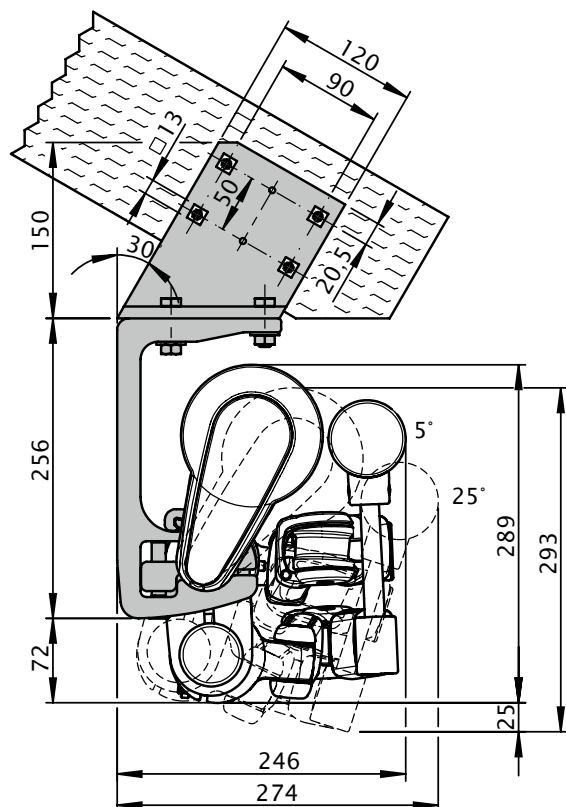
Md = torque value for the bracket in the immediate vicinity of the arm

HT = no. of brackets

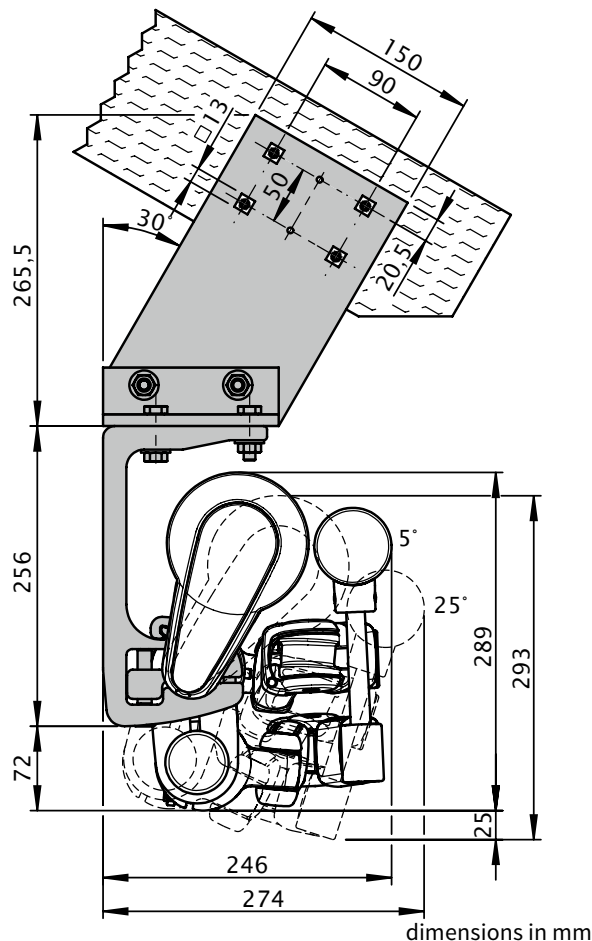
FS = shear force

BM = no. of fixing points

with eaves fixture bracket 150 mm



with eaves fixture bracket 270 mm



dimensions in mm

Eaves fixture with additional plate

Torque [Nm = Newton metres] for the fixture bracket in the immediate vicinity of the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

		Torque M [cm]								Shear force M [cm]								
		150	175	200	225	250	300	350	400	150	175	200	225	250	300	350	400	
H [cm]	Md [Nm]									FS [N]								
150	70	77	-	-	-	-	-	-	-	423	471	-	-	-	-	-	-	
200	-	130	141	153	-	-	-	-	-	-	737	807	876	-	-	-	-	
250	-	-	202	219	235	-	-	-	-	-	-	1110	1206	1302	-	-	-	
300	-	-	-	296	319	365	-	-	-	-	-	-	1592	1719	1973	-	-	
350	-	-	-	-	431	491	551	-	-	-	-	-	-	2278	2604	2930	-	
400	-	-	-	-	608	698	789	879	-	-	-	-	-	3164	3641	4119	4597	
HT	2									2								
BM	4									4								

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

M = awning width

H = projection

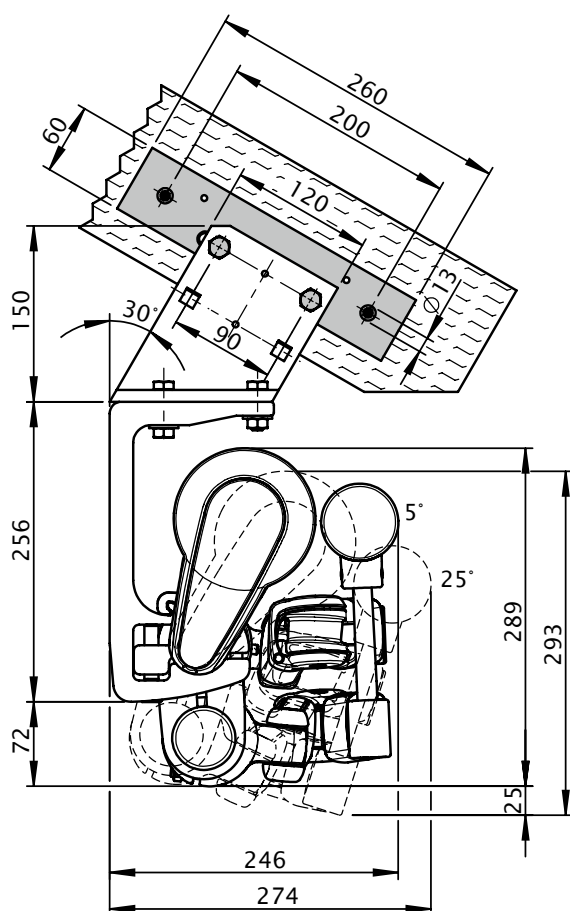
Md = torque value for the bracket in the immediate vicinity of the arm

HT = no. of brackets

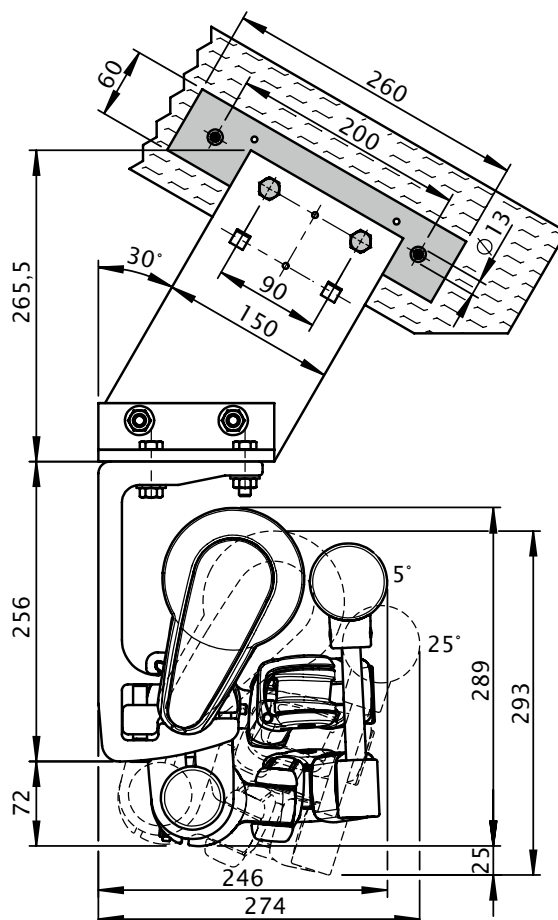
FS = shear force

BM = no. of fixing points

with eaves fixture bracket 150 mm



with eaves fixture bracket 270 mm



dimensions in mm

Installation using the adjustable eaves fixture bracket

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

Compression-proof substrate									Non compression-proof substrate								
M [cm]									M [cm]								
H [cm]									H [cm]								
FB [N]									FB [N]								
150	555	616	-	-	-	-	-	-	572	635	-	-	-	-	-	-	-
200	-	984	1075	1166	-	-	-	-	-	1016	1110	1204	-	-	-	-	-
250	-	-	1493	1621	1748	-	-	-	-	-	1543	1675	1806	-	-	-	-
300	-	-	-	2153	2324	2664	-	-	-	-	-	2226	2402	2754	-	-	-
350	-	-	-	-	3094	3534	3974	-	-	-	-	-	3200	3655	4110	-	-
400	-	-	-	-	4317	4966	5615	6264	-	-	-	-	4466	5138	5809	6481	-

HT BHT	2 90 mm	2 90 mm
BM	8	8

The pull-out force refers to the measurement from the front to the rear fixture points of **140 mm**.

Washers conforming to DIN 9021 must be used.

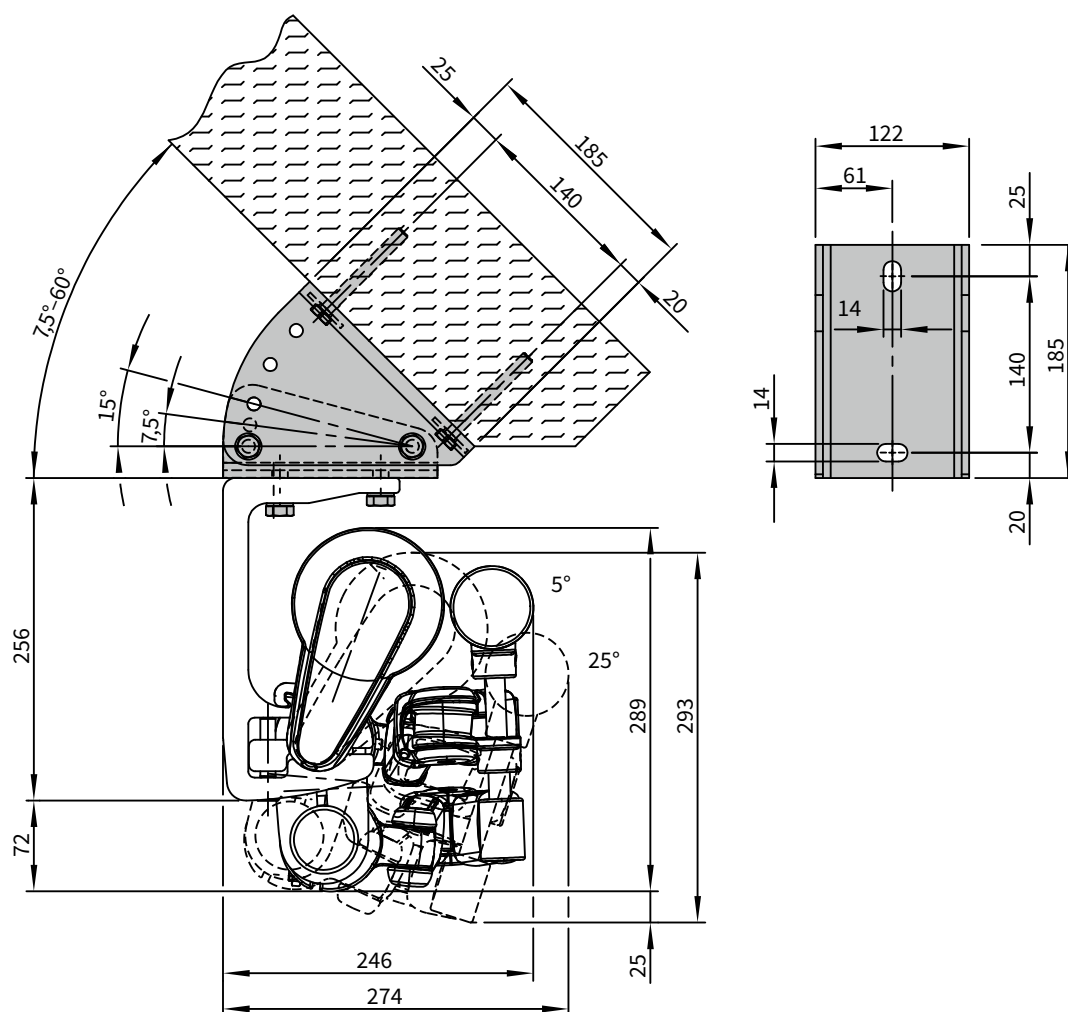
M = awning width

H = projection

FB = pull-out force per fixing point

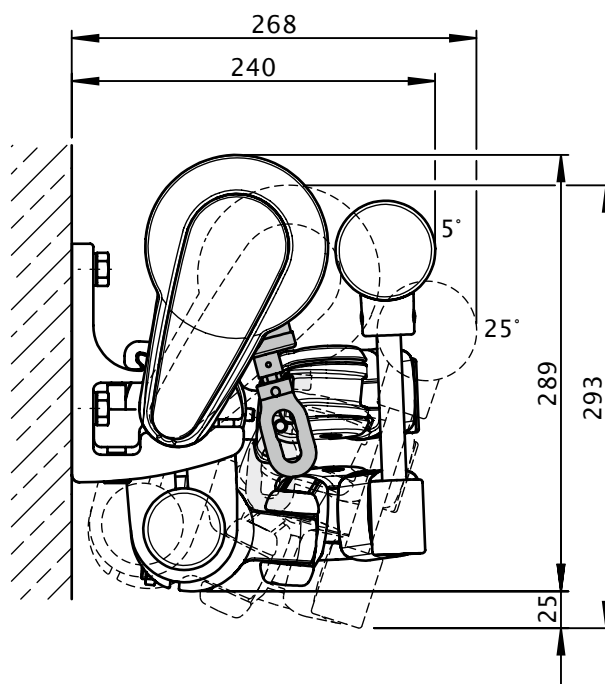
HT | BHT = bracket quantity | width

BM = no. of fixing points



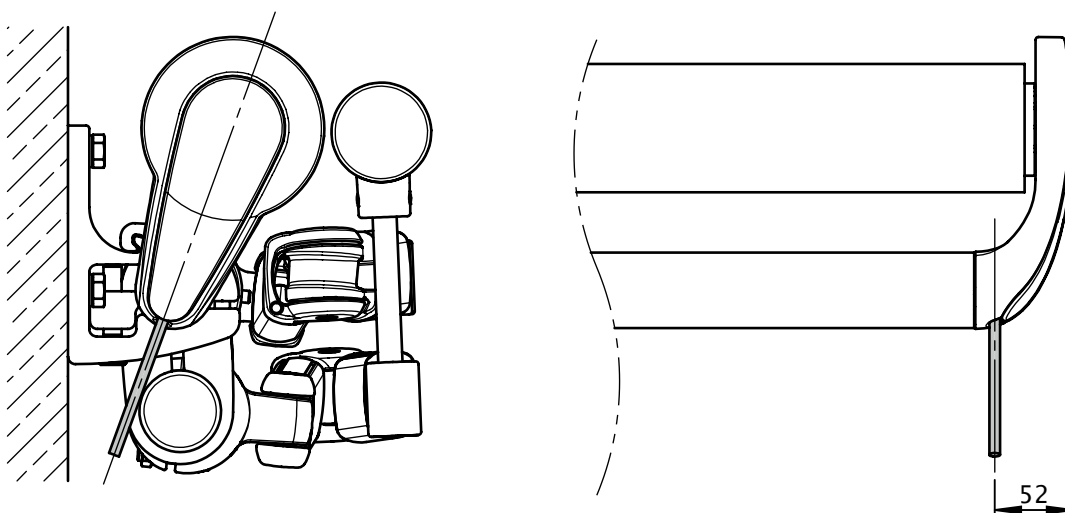
dimensions in mm

Face fixture with manual operation



dimensions in mm

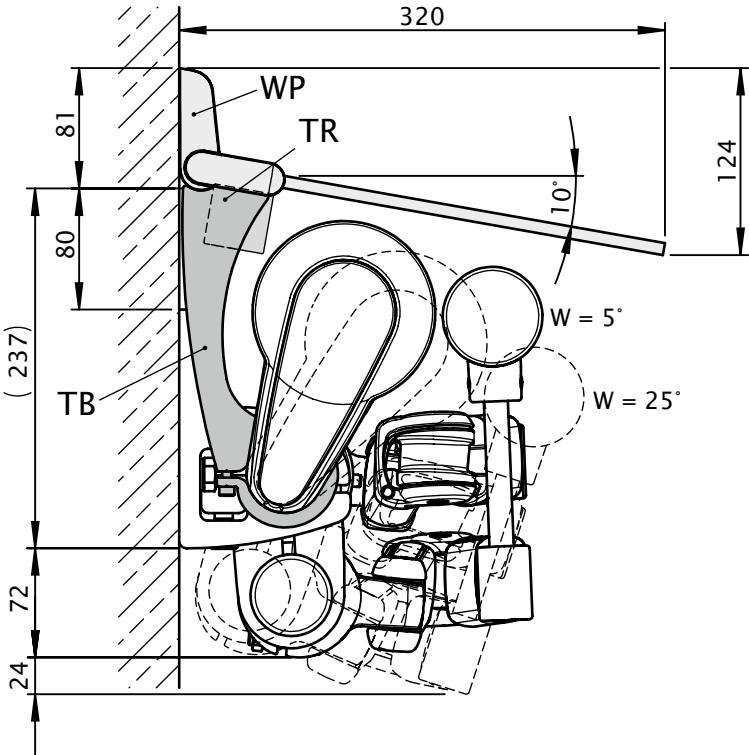
Cable exit point on motor-driven units



dimensions in mm

markilux system coverboard affixed to the torque bar (optionally with the markilux flexlight)

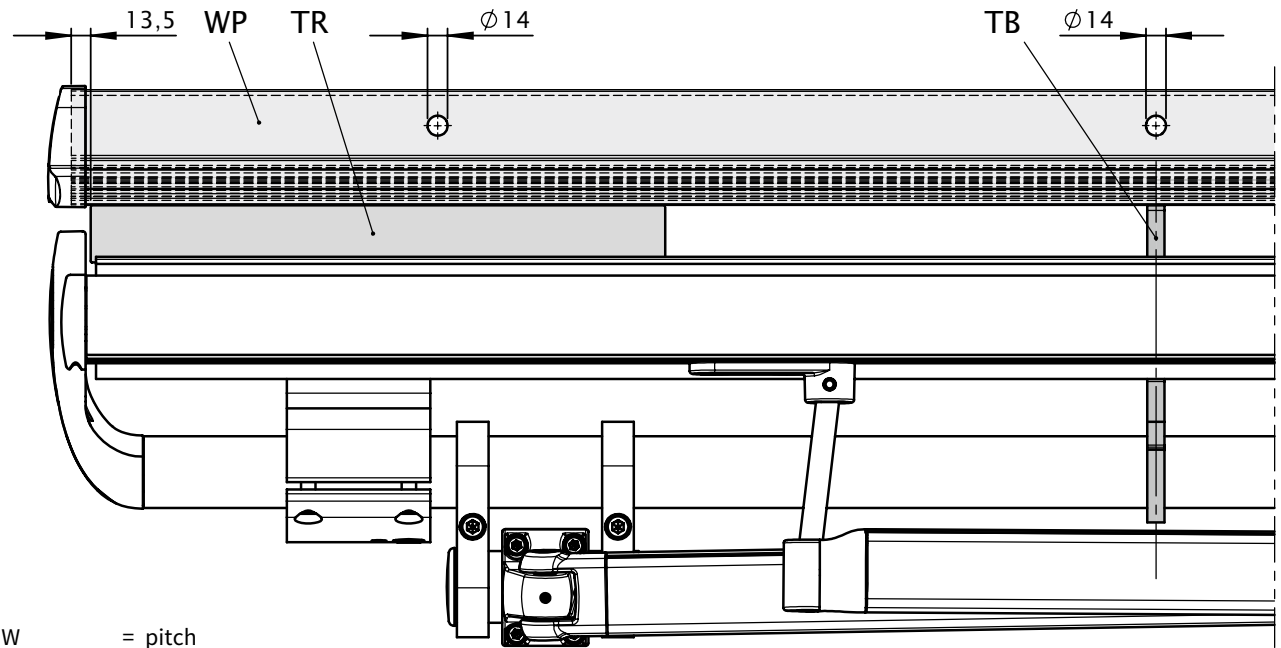
Face fixture



dimensions in mm

View from the front

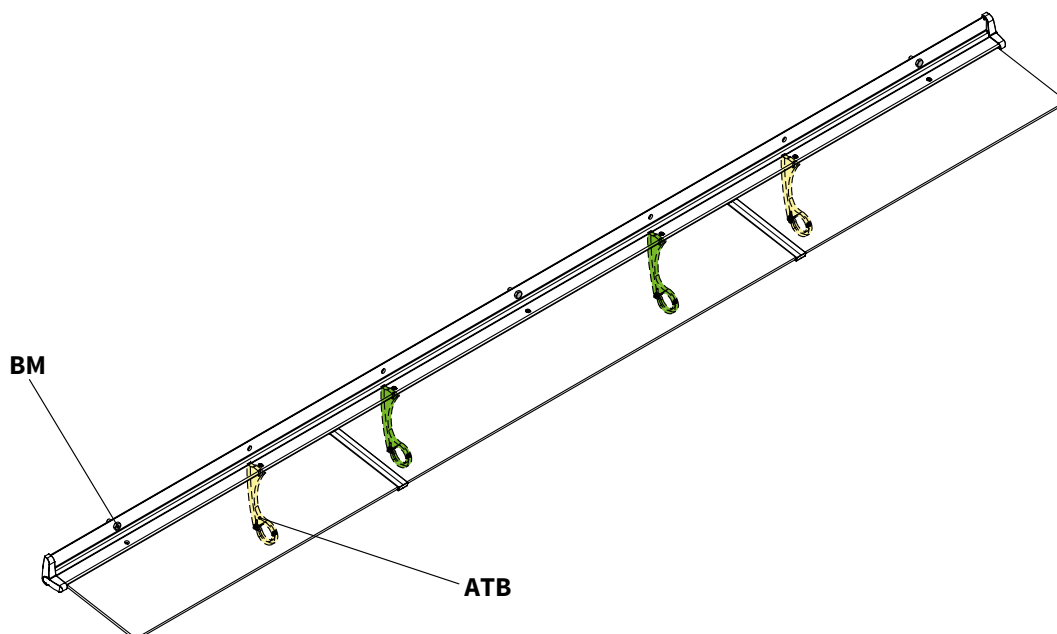
optionally with markilux flexlight light rope (please refer to the section "Optional Accessories")



- W = pitch
WP = wall profile
TR = transformer (for the markilux flexlight)
TB = torque bar fixture

dimensions in mm

No. of fixing points for the markilux system coverboard



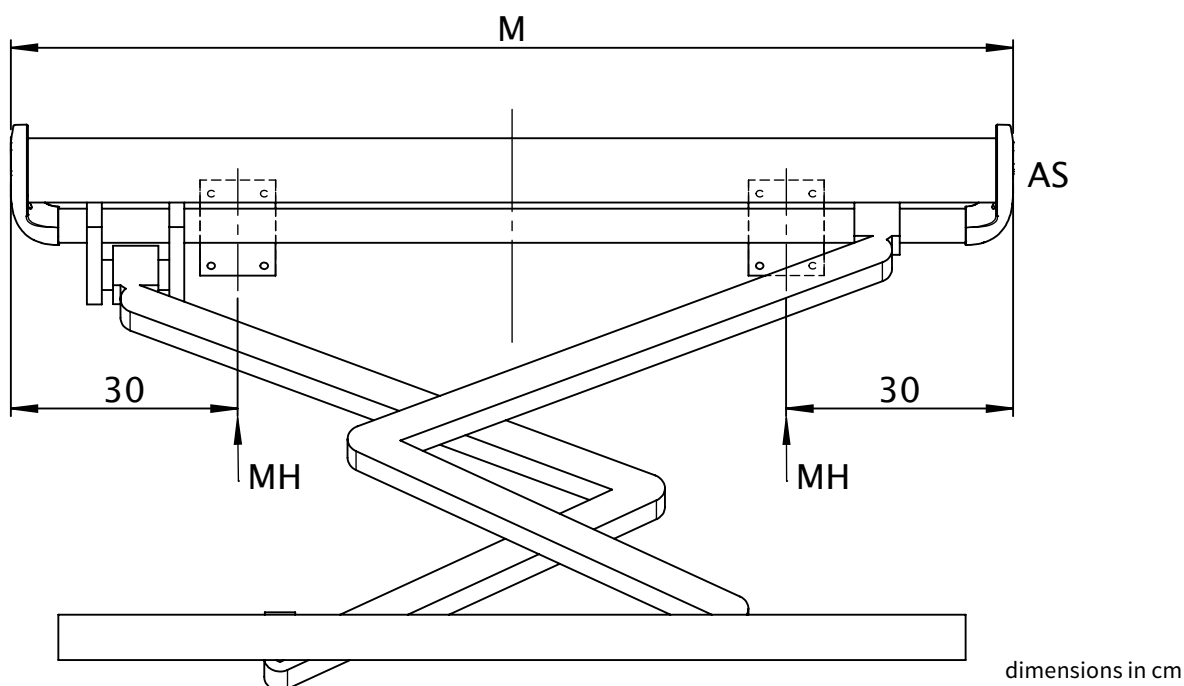
	M						
	1537—1750	1751—2000	2037—2250	2251—2500	2537—3000	3037—3500	3537—4000
ATB	2	2	2	2	2	2	2
BM	2	2	3	3	4	3	4

ATB = no. of torque bar fixing points for the system coverboard

BM = no. of fixing points, face fixture

M = awning width

Bracket fixture range for awnings with 2 folding arms



If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!

AS = operation side

M = awning width

MH = bracket centre