

markilux by Aquarius Blinds



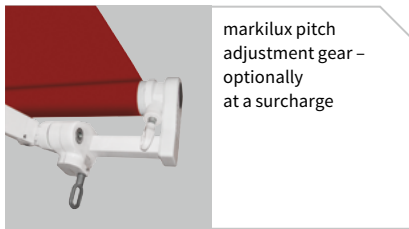
markilux 1300 Basic

The awning which sets exacting standards

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



side view with awning retracted, top fixture



markilux pitch adjustment gear – optionally at a surcharge



side view with awning retracted, top fixture



folding arm with round steel-link chain



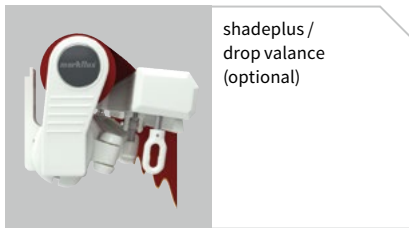
markilux shadeplus / drop valance – optionally at a surcharge



markilux aluminium coverboard – optionally at a surcharge



side view at a pitch of 55°



shadeplus / drop valance (optional)

Design Features, Technical Specification and Optional Accessories

the robust folding arms with single steel-link chain ensure a taut cover

the pivot bolts are made from corrosion-proof stainless steel and run in Teflon-coated bushes

the strong 40 mm × 40 mm torque bar is extremely resistant to twist and deflection, the roller tube is made of steel and has a diameter of 85 mm for the same reason

the attractive front profile made with integrated gutter ensures water drains away to the sides

the pitch adjustment gear mechanism (available optionally at a surcharge) that affords added protection: the sun marches across the sky – your awning marches with it; with the pitch adjustment gear mechanism you can change the (normally fixed) pitch from 4° to 54° or 35° to 85° by simply using a winding handle

Frame colours

| | | standard | optional |
|-----------------------------------|----------|--------------------------|----------|
| traffic white | RAL 9016 | <input type="checkbox"/> | |
| metallic aluminium | RAL 9006 | <input type="checkbox"/> | |
| non-standard powder-coated finish | | | |

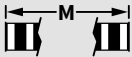
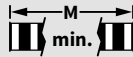







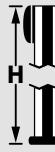
Miscellaneous

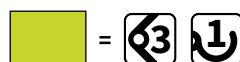
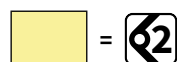
| | standard | optional |
|---|--|-------------------------------------|
| pitch adjustment gear | – | <input checked="" type="checkbox"/> |
| shadeplus / drop valance | – | <input checked="" type="checkbox"/> |
| coverboard | – | <input checked="" type="checkbox"/> |
| light and wind sensor | – | <input checked="" type="checkbox"/> |
| insertable side blind | – | <input checked="" type="checkbox"/> |
| valance | <input checked="" type="checkbox"/> 1) | – |
| infrared heater | – | <input checked="" type="checkbox"/> |
| vibrabox / radio control light sensor Sunis WireFree | – | <input checked="" type="checkbox"/> |

1) valance shape 1, 2 or 6 (please refer to the section “world of colours in the markilux collection”)

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

Dimensions and configuration options

| | |  | | | | | | | | |  | | | | | |
|---|---------------------------|---|------------|------------|------------|------------|------------|------------|------------|------------|---|---|---|---|---|---|
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 ³⁾ |  |  | | | |
| | | 167 250 | 251 300 | 301 350 | 351 400 | 401 450 | 451 500 | 501 550 | 551 600 | 601 650 | 651 700 |  |  |  |  |  |
|  | 150 | | | | | | | | | | 181 | 167 | 266 | 184 | 170 | |
| | 200 | 3) | | | | | | | | | 231 | 218 | 341 | 234 | 221 | |
| | 250 | - | 3) | | | | | | | | 281 | 268 | 416 | 284 | 271 | |
| | 300 | - | - | 3) | | | | | | | 331 | 318 | 491 | 334 | 321 | |
| | 350 | - | - | - | 3) | | | | | 381 | 368 | 566 | 384 | 371 | | |
| | 400¹⁾²⁾ | - | - | - | - | 3) | | | | 431 | 418 | 640 | 434 | 421 | | |



dimensions in cm

1) a shadeplus / drop valance is not possible



2) awnings with 3 arms or a projection of 400 cm are only available with motor

3) 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"/> |

Dimensions and tolerances

| | width | projection |
|---|---|------------|
| |   | |
| housing tolerances | +20 / -15 mm | ±40 mm |
| awning cover width = awning width | -140 mm -170 mm | |
| awning cover length = awning projection | | +130 mm |

Covers

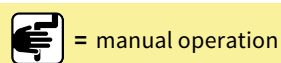
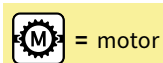
| | fabric range no. | standard | optional |
|------------------|------------------------------------|-------------------------------------|-------------------------------------|
| sunsilk snc | 324 .. / 328 .. / 369 .. | <input checked="" type="checkbox"/> | - |
| sunsilk perla FR | 374 .. | - | <input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

Coupled units

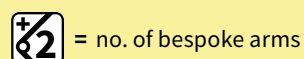
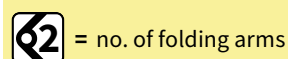
| | standard | optional |
|-----------------|----------|---|
| 2 fields | - | <input checked="" type="checkbox"/> ⁴⁾ |
| junction roller | - | <input checked="" type="checkbox"/> ⁵⁾ |
| one-piece cover | - | <input checked="" type="checkbox"/> |

4) for minimum widths please consult the section "Technical Information"

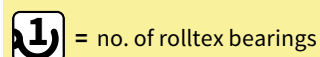
5) see overview "Bracket fixture range"



M = awning width



M min. = minimum widths



H = projection

Additional information

The width of the awning cover is always **less** than that of the awning. Please refer cover sizes in the case of coupled units and those with more than 2 arms to us.

Pitch adjustment range: from 5° to 55° (to the horizontal).

Pitch adjustment range in the case of pitch adjustment

gear: either from 4° to 54° or from 35° to 85° (in both cases to the horizontal).

Definition of projection: Please consult 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**.

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. Due to fabric thickness

tolerances the actual drop may be shorter than the nominal drop by up to 5 cm. For the maximum shadeplus drops please consult the section “Technical Information”.

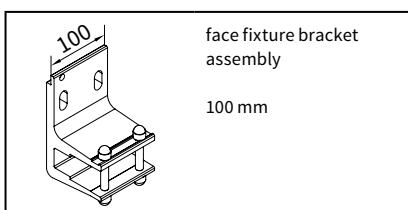
A shadeplus is not available with sunsilk perla FR, sunvas perla or PVC covers.

Coupled folding-arm awnings are available up to a **max. of 2 single units** side by side, however only with a motor drive. 3 units coupled together on request.

A coupled unit is available with **junction roller**. Pattern repeat mismatches are possible in the case of junction roller covers. A junction roller may not fit when the projection is the maximum for the width of each awning. (see also the section on “Installation”, the arm separation table).

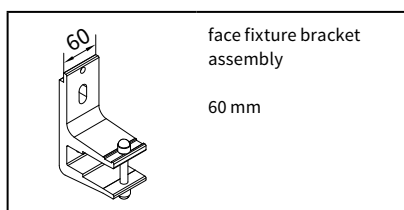
If coupled blinds are fitted into a **recess or reveal** the overall width of the coupled awning must be at least 6 cm less than the width of the opening to allow the awning to be coupled.

Fixtures, fittings and accessories



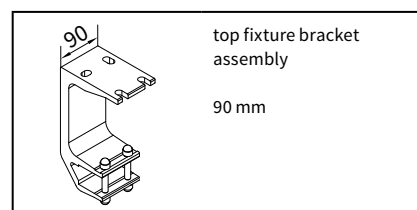
71664.

face fixture bracket assembly
100 mm



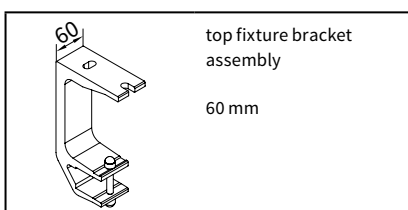
71665.

face fixture bracket assembly
60 mm



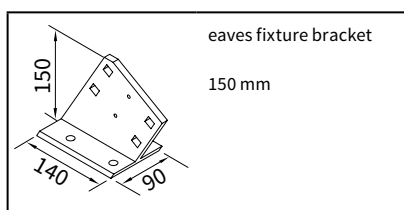
71666.

top fixture bracket assembly
90 mm



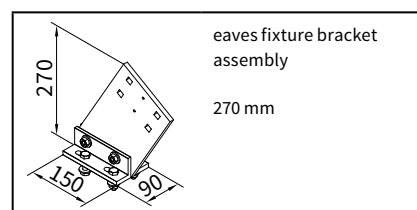
71667.

top fixture bracket assembly
60 mm



71612.

eaves fixture bracket
150 mm

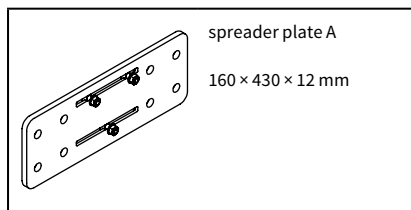


71659.

eaves fixture bracket assembly
270 mm

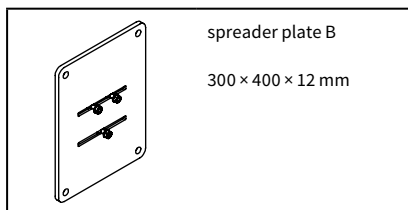
. = insert RAL colour code no

Fixtures, fittings and accessories



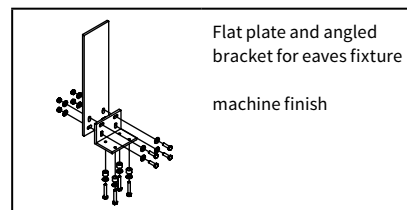
spreader plate A
160 × 430 × 12 mm

75326.



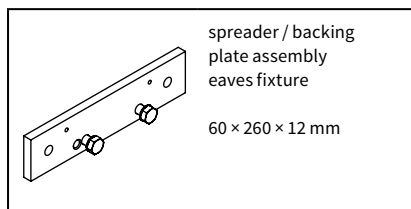
spreader plate B
300 × 400 × 12 mm

75325.



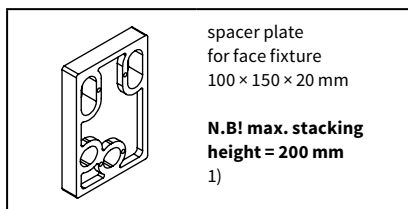
Flat plate and angled
bracket for eaves fixture
machine finish

716620



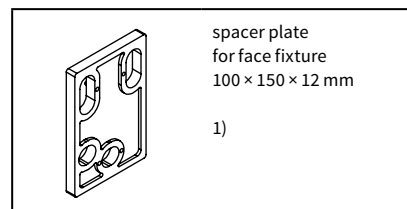
spreader / backing
plate assembly
eaves fixture
60 × 260 × 12 mm

75383.



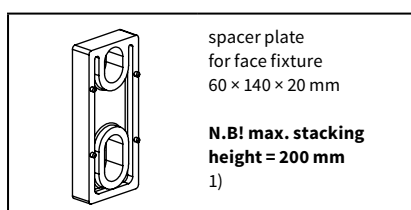
spacer plate
for face fixture
100 × 150 × 20 mm
**N.B! max. stacking
height = 200 mm**
1)

718231



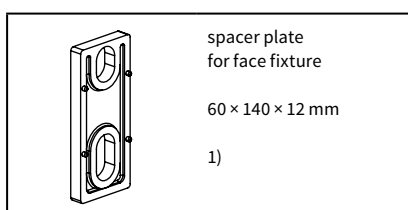
spacer plate
for face fixture
100 × 150 × 12 mm
1)

718241



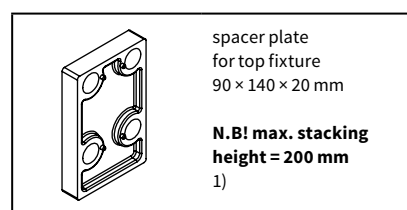
spacer plate
for face fixture
60 × 140 × 20 mm
**N.B! max. stacking
height = 200 mm**
1)

716321



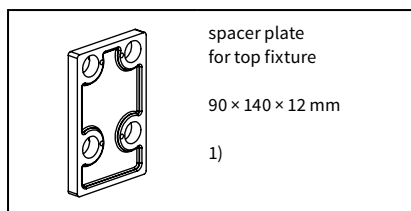
spacer plate
for face fixture
60 × 140 × 12 mm
1)

71642.



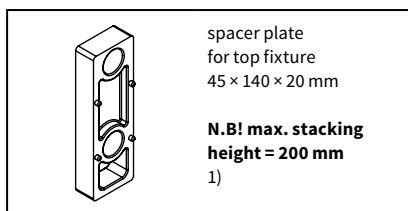
spacer plate
for face fixture
90 × 140 × 20 mm
**N.B! max. stacking
height = 200 mm**
1)

716311



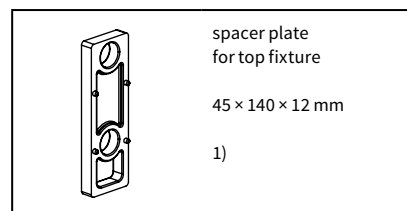
spacer plate
for top fixture
90 × 140 × 12 mm
1)

716411



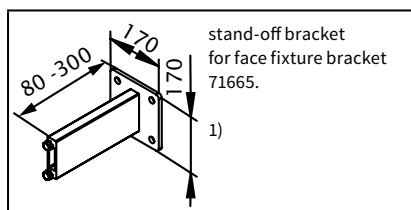
spacer plate
for top fixture
45 × 140 × 20 mm
**N.B! max. stacking
height = 200 mm**
1)

716261



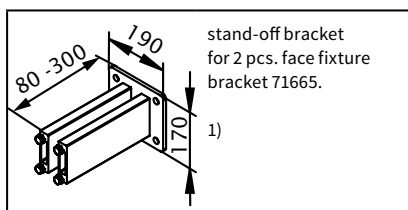
spacer plate
for top fixture
45 × 140 × 12 mm
1)

716371



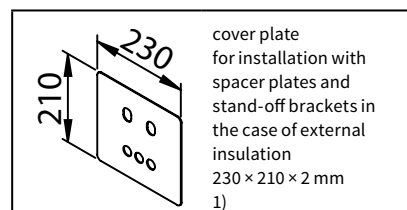
stand-off bracket
for face fixture bracket
71665.
1)

77967.



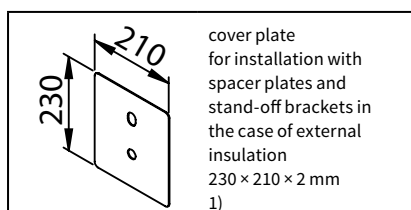
stand-off bracket
for 2 pcs. face fixture
bracket 71665.
1)

77968.



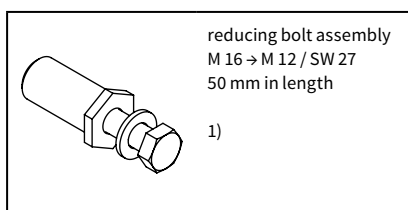
cover plate
for installation with
spacer plates and
stand-off brackets in
the case of external
insulation
230 × 210 × 2 mm
1)

71843.



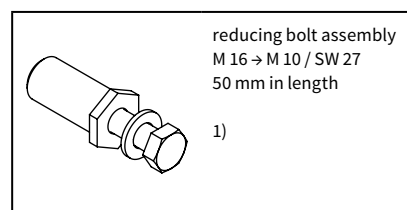
cover plate
for installation with
spacer plates and
stand-off brackets in
the case of external
insulation
230 × 210 × 2 mm
1)

71844.



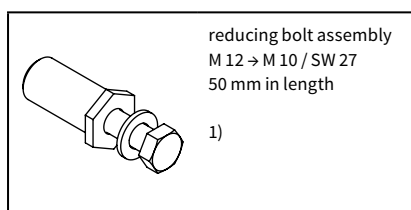
reducing bolt assembly
M 16 → M 12 / SW 27
50 mm in length
1)

753891



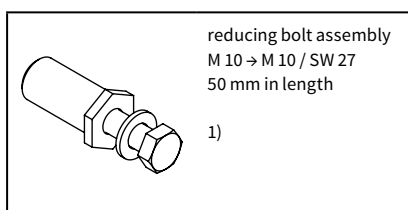
reducing bolt assembly
M 16 → M 10 / SW 27
50 mm in length
1)

754921



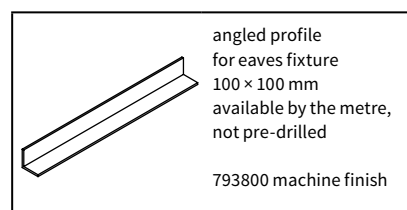
reducing bolt assembly
M 12 → M 10 / SW 27
50 mm in length
1)

754911



reducing bolt assembly
M 10 → M 10 / SW 27
50 mm in length
1)

754901



angled profile
for eaves fixture
100 × 100 mm
available by the metre,
not pre-drilled
793800 machine finish

79380.

Face fixture

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

Compression-proof substrate

M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

H [cm]

FB [N]

| | | | | | | | | | | |
|-----|-----|------|------|------|------|------|------|------|------|------|
| 150 | 439 | 506 | 572 | 639 | 705 | 772 | 838 | 905 | 971 | 845 |
| 200 | 701 | 808 | 915 | 1023 | 1130 | 1237 | 1344 | 1452 | 1559 | 1397 |
| 250 | — | 1202 | 1359 | 1517 | 1674 | 1831 | 1989 | 2146 | 2637 | 2421 |
| 300 | — | — | 1860 | 2077 | 2293 | 2510 | 3132 | 3386 | 3641 | 3388 |
| 350 | — | — | — | 2748 | 3033 | 3818 | 4155 | 4492 | 4260 | 4574 |
| 400 | — | — | — | — | 4431 | 4862 | 5293 | 5724 | 5410 | 5769 |

Non compression-proof substrate

M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

FB [N]

| | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|
| 508 | 585 | 661 | 738 | 815 | 892 | 969 | 1045 | 1122 | 976 |
| 810 | 934 | 1058 | 1182 | 1306 | 1430 | 1554 | 1677 | 1801 | 1614 |
| — | 1389 | 1571 | 1752 | 1934 | 2116 | 2298 | 2480 | 3047 | 2797 |
| — | — | 2149 | 2400 | 2650 | 2901 | 3619 | 3913 | 4207 | 3915 |
| — | — | — | 3175 | 3505 | 4412 | 4801 | 5191 | 4922 | 5285 |
| — | — | — | — | 5121 | 5619 | 6116 | 6614 | 6251 | 6666 |

| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
|----------|------------|-------------------------|-------------------------|

| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
|----------|------------|-------------------------|-------------------------|

| BM | 6 | 10 | 13 |
|----|---|----|----|
|----|---|----|----|

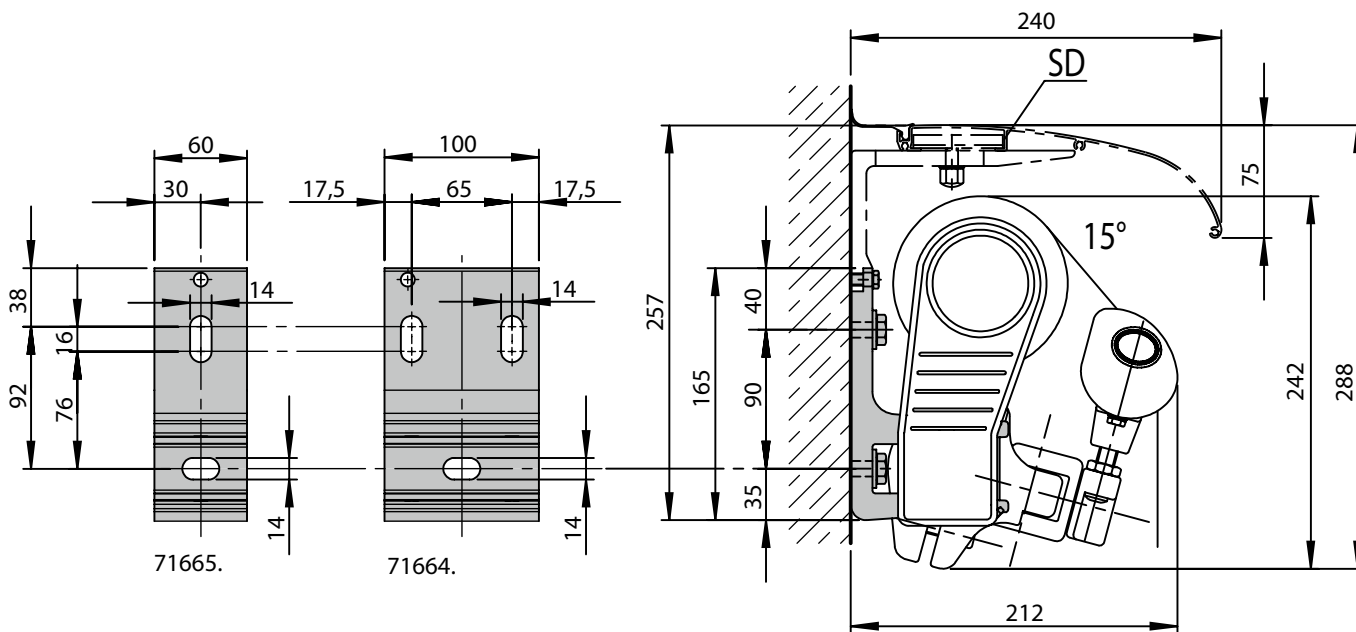
| BM | 6 | 10 | 13 |
|----|---|----|----|
|----|---|----|----|

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**.

If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved.

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

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- SD = coverboard
- 71665. = face fixture bracket assembly 60 mm
- 71664. = face fixture bracket assembly 100 mm



dimensions in mm

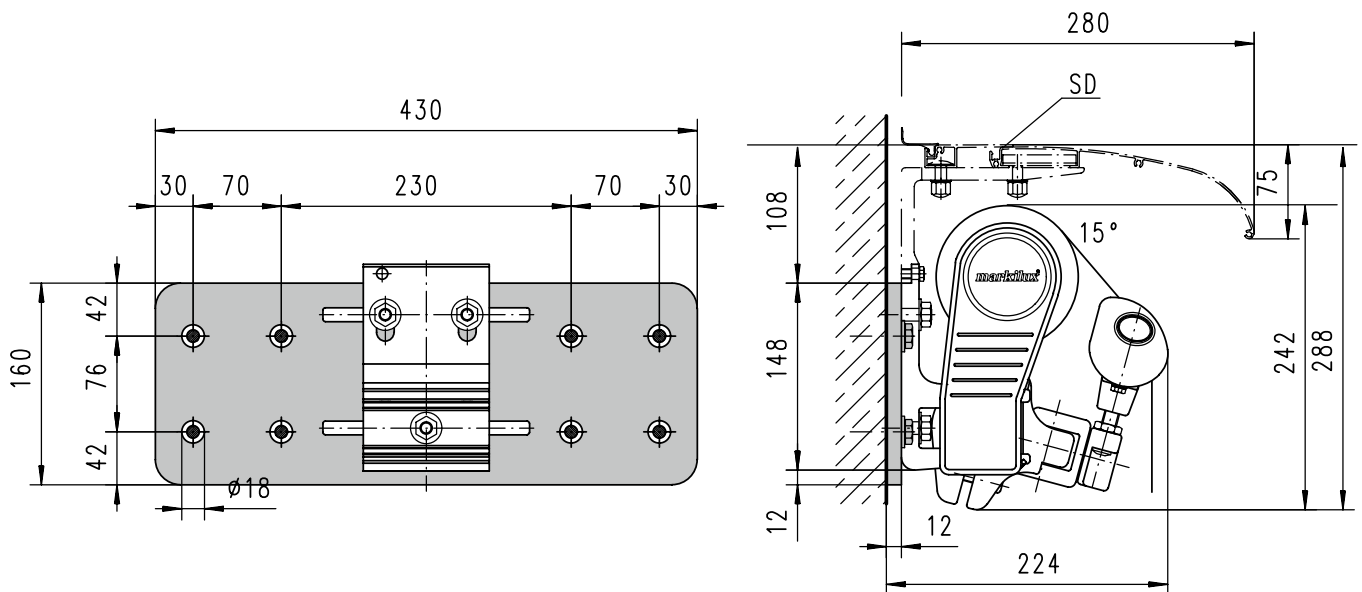
Face fixture with spreader plate A

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] | | | | | | | | | | |
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | |
| 150 | 214 | 247 | 279 | 312 | 344 | 376 | 409 | 441 | 474 | 390 | 305 | 351 | 397 | 443 | 489 | 535 | 581 | 627 | 673 | 554 |
| 200 | 341 | 393 | 445 | 497 | 549 | 602 | 654 | 706 | 758 | 643 | 484 | 559 | 633 | 707 | 781 | 855 | 929 | 1003 | 1077 | 914 |
| 250 | — | 583 | 660 | 736 | 813 | 889 | 965 | 1042 | 1280 | 1117 | — | 829 | 938 | 1046 | 1155 | 1263 | 1372 | 1480 | 1819 | 1588 |
| 300 | — | — | 902 | 1007 | 1112 | 1217 | 1519 | 1642 | 1765 | 1564 | — | — | 1282 | 1431 | 1580 | 1729 | 2158 | 2333 | 2509 | 2223 |
| 350 | — | — | — | 1331 | 1469 | 1850 | 2013 | 2176 | 1956 | 2107 | — | — | — | 1892 | 2088 | 2629 | 2861 | 3093 | 2779 | 2995 |
| 400 | — | — | — | — | 2145 | 2354 | 2562 | 2771 | 2485 | 2659 | — | — | — | — | 3049 | 3345 | 3641 | 3938 | 3531 | 3778 |
| HT BHT | 2 100 mm | | | 2 100 mm 2 60 mm | | | 3 100 mm 2 60 mm | | | 2 100 mm | | | 2 100 mm 2 60 mm | | | 3 100 mm 2 60 mm | | | | |
| BP | 2 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | | | |
| DP | — | | | 2 | | | 2 | | | — | | | 2 | | | 2 | | | | |
| BM | 16 | | | 20 | | | 28 | | | 16 | | | 20 | | | 28 | | | | |

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 spacer plates
- BM = no. of fixing points
- SD = coverboard



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
M [cm]

| H [cm] | FB [N] | | | | | | | | | |
|--------|--------|-----|-----|-----|------|------|------|------|------|------|
| 150 | 127 | 146 | 165 | 184 | 204 | 223 | 242 | 261 | 280 | 231 |
| 200 | 202 | 233 | 263 | 294 | 325 | 356 | 387 | 418 | 449 | 381 |
| 250 | — | 345 | 390 | 436 | 481 | 526 | 571 | 617 | 758 | 661 |
| 300 | — | — | 534 | 596 | 658 | 720 | 899 | 972 | 1045 | 926 |
| 350 | — | — | — | 788 | 870 | 1095 | 1191 | 1288 | 1157 | 1247 |
| 400 | — | — | — | — | 1270 | 1393 | 1516 | 1640 | 1470 | 1573 |

Non compression-proof substrate
M [cm]

| H [cm] | FB [N] | | | | | | | | | |
|--------|--------|-----|-----|-----|------|------|------|------|------|------|
| 150 | 132 | 152 | 172 | 192 | 212 | 232 | 252 | 272 | 292 | 240 |
| 200 | 210 | 243 | 275 | 307 | 339 | 371 | 403 | 436 | 468 | 397 |
| 250 | — | 360 | 407 | 454 | 502 | 549 | 596 | 643 | 790 | 690 |
| 300 | — | — | 557 | 621 | 686 | 751 | 937 | 1013 | 1090 | 965 |
| 350 | — | — | — | 821 | 907 | 1142 | 1242 | 1343 | 1207 | 1300 |
| 400 | — | — | — | — | 1324 | 1453 | 1581 | 1710 | 1533 | 1641 |

| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
| BP | 2 | 2 | 3 |
| DP | — | 2 | 2 |
| BM | 8 | 12 | 16 |

| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
| BP | 2 | 2 | 3 |
| DP | — | 2 | 2 |
| BM | 8 | 12 | 16 |

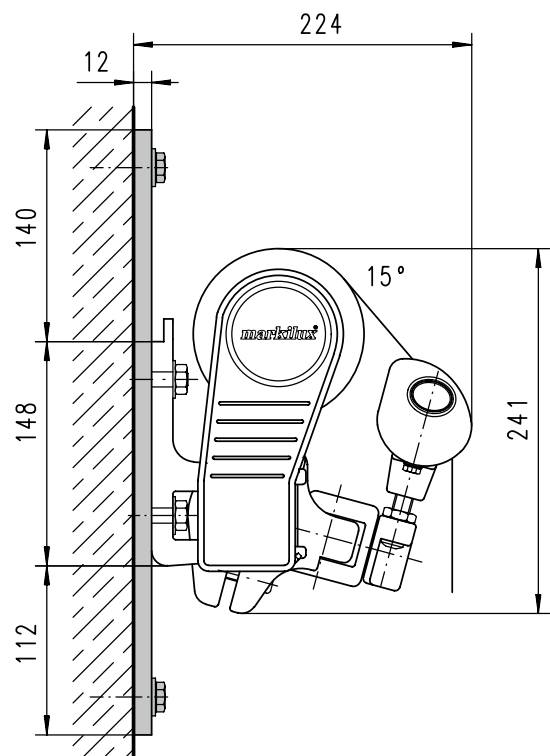
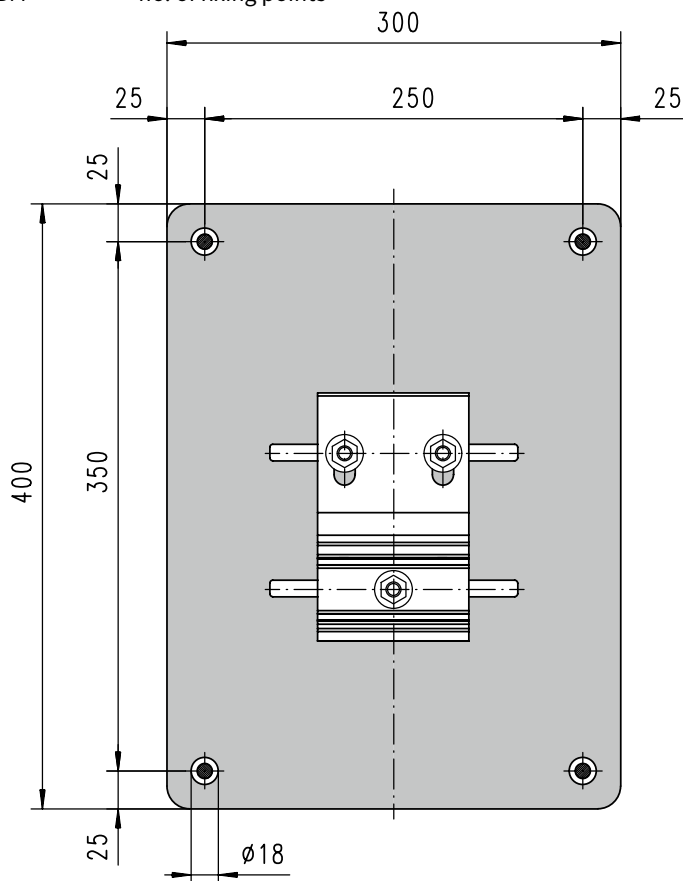
| | | | |
|----|---|----|----|
| BP | 2 | 2 | 3 |
| DP | — | 2 | 2 |
| BM | 8 | 12 | 16 |

| | | | |
|----|---|----|----|
| BP | 2 | 2 | 3 |
| DP | — | 2 | 2 |
| BM | 8 | 12 | 16 |

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
- DP = no. of spacer plates
- BM = no. of fixing points



dimensions in mm

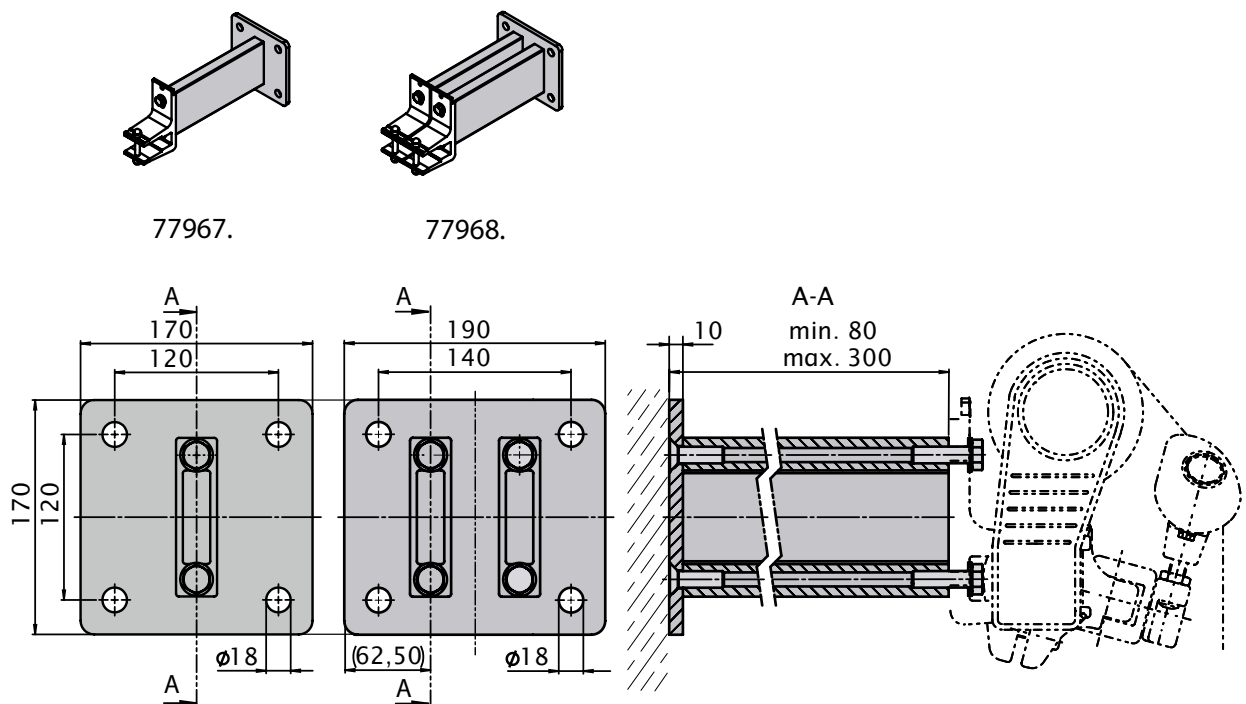
Face fixture with stand-off brackets

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] | | | | | | | | | | |
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| 150 | 398 | 461 | 524 | 586 | 649 | 712 | 775 | 838 | 901 | 742 | 448 | 518 | 589 | 660 | 730 | 801 | 872 | 942 | 1013 | 835 | |
| 200 | 618 | 717 | 815 | 913 | 1011 | 1109 | 1207 | 1305 | 1403 | 1192 | 696 | 806 | 916 | 1027 | 1137 | 1247 | 1358 | 1468 | 1578 | 1341 | |
| 250 | — | 1043 | 1184 | 1324 | 1464 | 1605 | 1745 | 1886 | 2286 | 1996 | — | 1173 | 1332 | 1490 | 1648 | 1806 | 1964 | 2122 | 2571 | 2246 | |
| 300 | — | — | 1596 | 1786 | 1976 | 2166 | 2670 | 2890 | 3109 | 2756 | — | — | 1796 | 2009 | 2223 | 2437 | 3004 | 3251 | 3498 | 3101 | |
| 350 | — | — | — | 2334 | 2581 | 3215 | 3502 | 3788 | 3407 | 3672 | — | — | — | 2626 | 2903 | 3617 | 3939 | 4262 | 3832 | 4131 | |
| HT BHT | 2 100 mm | | | | | 2 100 mm 2 60 mm | | | 3 100 mm 2 60 mm | | | 2 100 mm | | | | | 2 100 mm 2 60 mm | | | 3 100 mm 2 60 mm | |
| DH 77968. | 2 | | | | | 2 | | | 3 | | | 2 | | | | | 2 | | | 3 | |
| DH 77967. | — | | | | | 2 | | | 2 | | | — | | | | | 2 | | | 2 | |
| BM | 8 | | | | | 16 | | | 20 | | | 8 | | | | | 16 | | | 20 | |

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
- 77967. = stand-off bracket for face fixture bracket 71665.
- 77968. = stand-off bracket for 2 pcs. face fixture bracket 71665.



dimensions in mm

Face fixture with shadeplus

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

Compression-proof substrate
M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

H [cm] FB [N]

| | | | | | | | | | | |
|-----|-----|------|------|------|------|------|------|------|------|------|
| 150 | 510 | 591 | 671 | 752 | 833 | 913 | 994 | 1074 | 1155 | 997 |
| 200 | 795 | 921 | 1047 | 1174 | 1300 | 1426 | 1552 | 1678 | 1804 | 1607 |
| 250 | — | 1343 | 1524 | 1705 | 1886 | 2067 | 2248 | 2429 | 2943 | 2690 |
| 300 | — | — | 2058 | 2303 | 2548 | 2793 | 3443 | 3726 | 4009 | 3716 |
| 350 | — | — | — | 3012 | 3330 | 4148 | 4518 | 4888 | 4618 | 4963 |

Non compression-proof substrate
M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

FB [N]

| | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|
| 589 | 683 | 776 | 869 | 962 | 1055 | 1148 | 1242 | 1335 | 1153 |
| 919 | 1065 | 1210 | 1356 | 1502 | 1648 | 1793 | 1939 | 2085 | 1857 |
| — | 1552 | 1761 | 1970 | 2180 | 2389 | 2598 | 2807 | 3401 | 3109 |
| — | — | 2378 | 2661 | 2944 | 3228 | 3978 | 4305 | 4632 | 4294 |
| — | — | — | 3480 | 3848 | 4794 | 5221 | 5649 | 5337 | 5735 |

| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
|----------|------------|-------------------------|-------------------------|

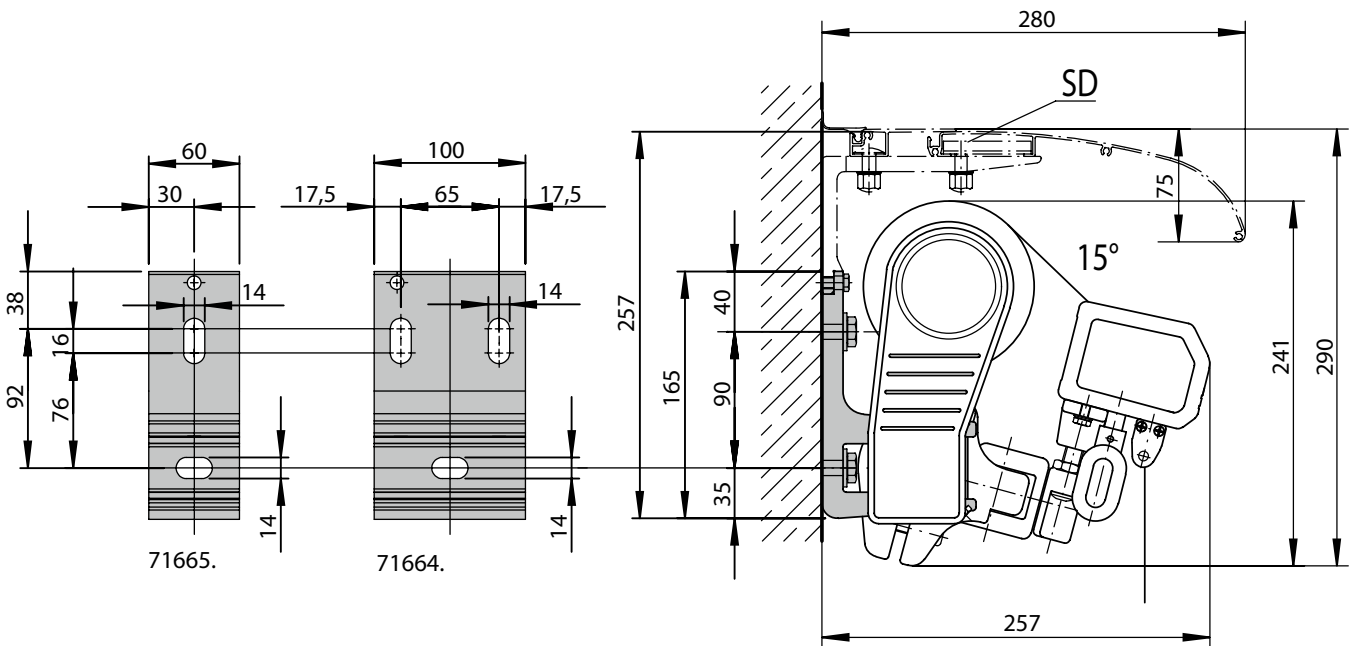
| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|
|----------|------------|-------------------------|-------------------------|

| BM | 6 | 10 | 13 |
|----|---|----|----|
|----|---|----|----|

| BM | 6 | 10 | 13 |
|----|---|----|----|
|----|---|----|----|

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**. If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved. Place the brackets immediately to the left and right of the arm bearer.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- SD = coverboard
- 71665. = face fixture bracket assembly 60 mm
- 71664. = wall bracket 100 mm



dimensions in mm

Face fixture with shadeplus and spreader plate A

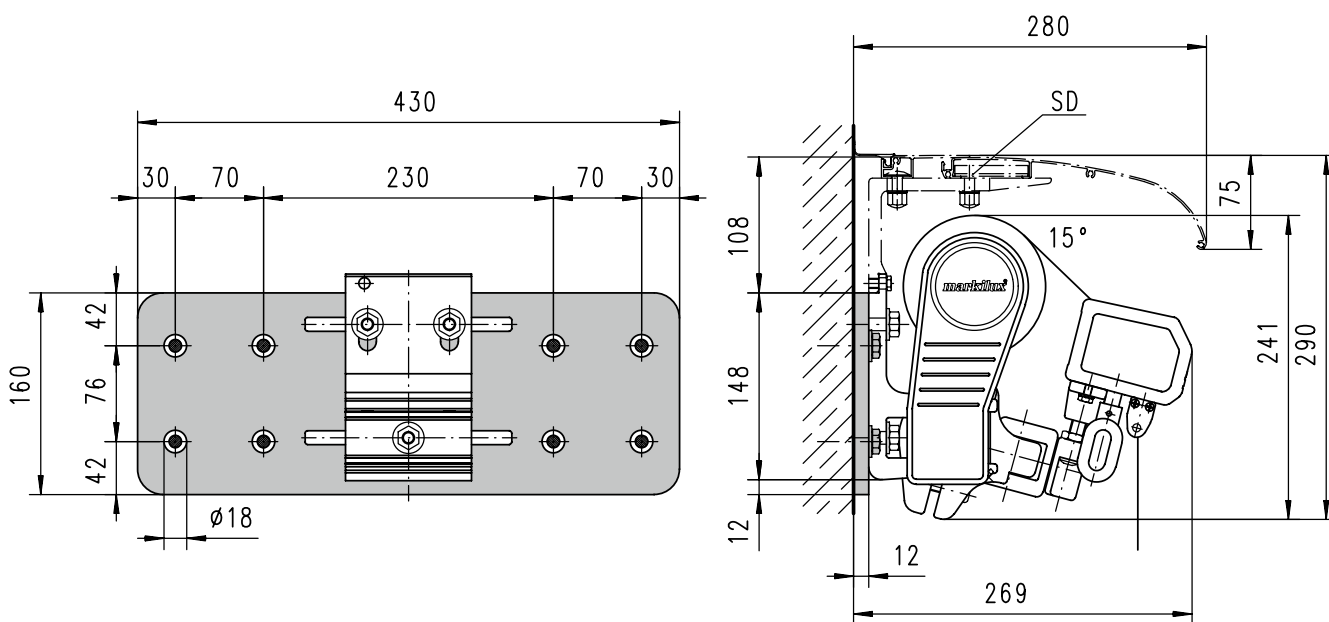
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

| Compression-proof substrate | | | | | | | | | | | Non compression-proof substrate | | | | | | | | | | | |
|-----------------------------|------------|-----|-----|------|------------|------|------|------------|------|------|---------------------------------|------------|------|------|------|------------|------|------|------------|------|--|--|
| M [cm] | | | | | | | | | | | M [cm] | | | | | | | | | | | |
| H [cm] | | | | | | | | | | | H [cm] | | | | | | | | | | | |
| FB [N] | | | | | | | | | | | FB [N] | | | | | | | | | | | |
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | |
| 150 | 249 | 288 | 327 | 366 | 406 | 445 | 484 | 524 | 563 | 464 | 353 | 409 | 465 | 521 | 577 | 632 | 688 | 744 | 800 | 659 | | |
| 200 | 387 | 448 | 509 | 570 | 632 | 693 | 754 | 816 | 877 | 745 | 549 | 636 | 724 | 811 | 898 | 985 | 1072 | 1159 | 1246 | 1059 | | |
| 250 | – | 652 | 740 | 828 | 915 | 1003 | 1091 | 1179 | 1429 | 1248 | – | 926 | 1051 | 1176 | 1301 | 1425 | 1550 | 1675 | 2030 | 1773 | | |
| 300 | – | – | 998 | 1116 | 1235 | 1354 | 1669 | 1806 | 1943 | 1723 | – | – | 1418 | 1586 | 1755 | 1924 | 2372 | 2567 | 2761 | 2448 | | |
| 350 | – | – | – | 1459 | 1613 | 2009 | 2188 | 2368 | 2129 | 2295 | – | – | – | 2073 | 2292 | 2855 | 3110 | 3365 | 3026 | 3262 | | |
| HT BHT | 2 100 mm | | | | 2 100 mm | | | 3 100 mm | | | | 2 100 mm | | | | 2 100 mm | | | 3 100 mm | | | |
| | | | | | 2 60 mm | | | 2 60 mm | | | | | | | | 2 60 mm | | | 2 60 mm | | | |
| BP | 2 | | | | 2 | | | 3 | | | | 2 | | | | 2 | | | 3 | | | |
| DP | – | | | | 2 | | | 2 | | | | – | | | | 2 | | | 2 | | | |
| BM | 16 | | | | 20 | | | 28 | | | | 16 | | | | 20 | | | 28 | | | |

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
- DP = no. of spacer plates
- BM = no. of fixing points
- SD = coverboard



dimensions in mm

Face fixture with shadeplus and spreader plate B

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

Compression-proof substrate

M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

H [cm] FB [N]

| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 150 | 147 | 170 | 194 | 217 | 240 | 263 | 287 | 310 | 333 | 274 |
| 200 | 229 | 265 | 301 | 338 | 374 | 410 | 446 | 483 | 519 | 441 |
| 250 | — | 386 | 438 | 490 | 542 | 594 | 646 | 698 | 845 | 738 |
| 300 | — | — | 590 | 661 | 731 | 801 | 988 | 1069 | 1150 | 1019 |
| 350 | — | — | — | 863 | 954 | 1189 | 1295 | 1401 | 1260 | 1358 |

Non compression-proof substrate

M [cm]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

FB [N]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|------|------|------|
| 153 | 178 | 202 | 226 | 250 | 275 | 299 | 323 | 347 | 286 |
| 239 | 276 | 314 | 352 | 390 | 428 | 466 | 503 | 541 | 460 |
| — | 402 | 457 | 511 | 565 | 619 | 673 | 727 | 882 | 770 |
| — | — | 616 | 689 | 762 | 836 | 1030 | 1115 | 1199 | 1063 |
| — | — | — | 990 | 995 | 1240 | 1351 | 1461 | 1314 | 1417 |

| | | | |
|----------|------------|-------------------------|-------------------------|
| HT BHT | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|----------|------------|-------------------------|-------------------------|

| | | | |
|--|------------|-------------------------|-------------------------|
| | 2 100 mm | 2 100 mm 2 60 mm | 3 100 mm 2 60 mm |
|--|------------|-------------------------|-------------------------|

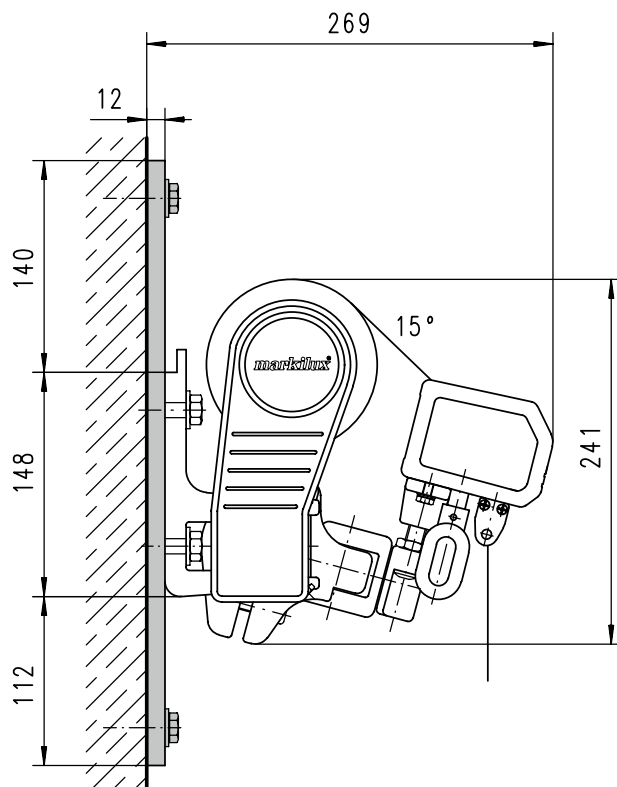
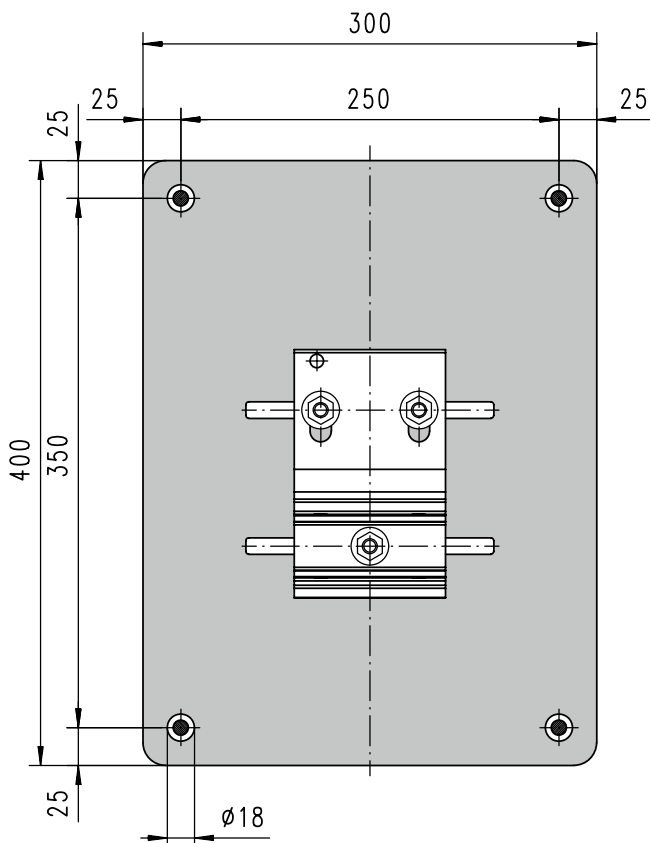
| | | | |
|----|----|----|----|
| BP | 2 | 2 | 3 |
| DP | — | 2 | 2 |
| BM | 16 | 20 | 28 |

| | | | |
|--|----|----|----|
| | 2 | 2 | 3 |
| | — | 2 | 2 |
| | 16 | 20 | 28 |

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
- DP = no. of spacer plates
- BM = no. of fixing points



dimensions in mm

Face fixture for shadeplus / drop valance with stand-off brackets

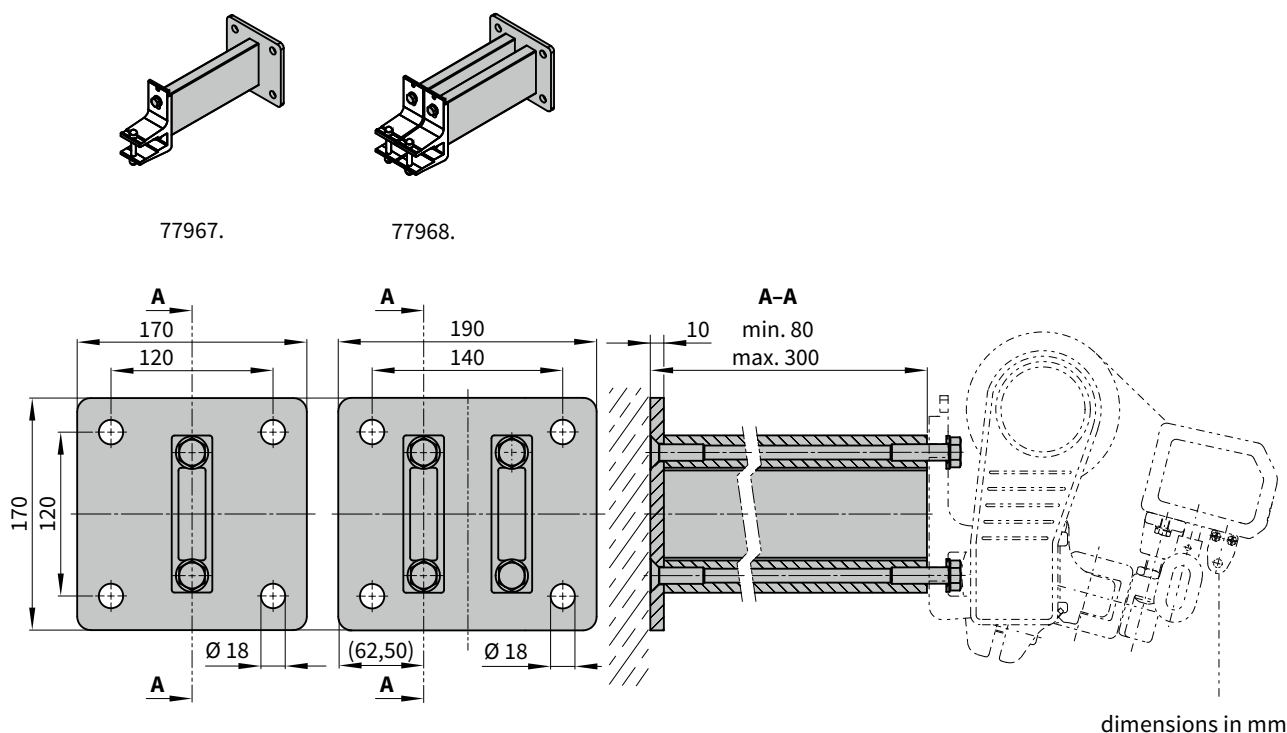
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

| Compression-proof substrate | | | | | | | | | | Non compression-proof substrate | | | | | | | | | | |
|-----------------------------|------------|------|------|------|-------------------------|------|------|-------------------------|------|---------------------------------|------------|------|------|------|-------------------------|------|-------------------------|------|------|------|
| M [cm] | | | | | | | | | | M [cm] | | | | | | | | | | |
| H [cm] | | | | | | | | | | H [cm] | | | | | | | | | | |
| FB [N] | | | | | | | | | | FB [N] | | | | | | | | | | |
| 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | |
| 150 | 450 | 517 | 584 | 651 | 718 | 786 | 853 | 920 | 987 | 812 | 506 | 581 | 657 | 733 | 808 | 884 | 959 | 1035 | 1111 | 913 |
| 200 | 678 | 781 | 884 | 987 | 1089 | 1192 | 1295 | 1398 | 1501 | 1274 | 762 | 878 | 994 | 1110 | 1226 | 1341 | 1457 | 1573 | 1689 | 1433 |
| 250 | — | 1119 | 1265 | 1411 | 1557 | 1703 | 1848 | 1994 | 2457 | 2144 | — | 1259 | 1423 | 1587 | 1751 | 1915 | 2080 | 2244 | 2764 | 2412 |
| 300 | — | — | 1686 | 1882 | 2078 | 2274 | 2842 | 3073 | 3304 | 2926 | — | — | 1897 | 2117 | 2338 | 2558 | 3197 | 3457 | 3716 | 3292 |
| 350 | — | — | — | 2442 | 2695 | 3397 | 3697 | 3996 | 3591 | 3869 | — | — | — | 2747 | 3032 | 3822 | 4159 | 4496 | 4040 | 4353 |
| 400 | — | — | — | — | 3882 | 4259 | 4636 | 5013 | 4495 | 4810 | — | — | — | — | 4368 | 4792 | 5216 | 5640 | 5057 | 5411 |
| HT BHT | 2 100 mm | | | | 2 100 mm 2 60 mm | | | 3 100 mm 2 60 mm | | | 2 100 mm | | | | 2 100 mm 2 60 mm | | 3 100 mm 2 60 mm | | | |
| DH 77968. | 2 | | | | 2 | | | 3 | | | 2 | | | | 2 | | 3 | | | |
| DH 77967. | — | | | | 2 | | | 2 | | | — | | | | 2 | | 2 | | | |
| BM | 8 | | | | 16 | | | 20 | | | 8 | | | | 16 | | 20 | | | |

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
- DP = no. of stand-off brackets
- 77967. = stand-off bracket for face fixture bracket 71665.
- 77968. = stand-off bracket for 2 pcs. face fixture bracket 71665.



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] | FB [N] | | | | | | | | | |
|--------|--------|------|------|------|------|------|------|------|------|------|
| 150 | 467 | 541 | 614 | 688 | 762 | 835 | 909 | 983 | 1056 | 953 |
| 200 | 707 | 819 | 930 | 1041 | 1152 | 1264 | 1375 | 1486 | 1597 | 1461 |
| 250 | — | 1181 | 1338 | 1496 | 1653 | 1810 | 1968 | 2125 | 2589 | 2403 |
| 300 | — | — | 1799 | 2011 | 2223 | 2435 | 3020 | 3266 | 3513 | 3293 |
| 350 | — | — | — | 2629 | 2904 | 3639 | 3962 | 4284 | 4083 | 4385 |
| 400 | — | — | — | — | 4191 | 4600 | 5009 | 5418 | 5141 | 5485 |

Non compression-proof substrate
M [cm]

| H [cm] | FB [N] | | | | | | | | | |
|--------|--------|------|------|------|------|------|------|------|------|------|
| 150 | 634 | 733 | 831 | 930 | 1029 | 1128 | 1227 | 1326 | 1425 | 1273 |
| 200 | 974 | 1125 | 1277 | 1429 | 1581 | 1733 | 1885 | 2037 | 2189 | 1991 |
| 250 | — | 1637 | 1854 | 2071 | 2289 | 2506 | 2723 | 2940 | 3590 | 3322 |
| 300 | — | — | 2505 | 2800 | 3094 | 3388 | 4209 | 4552 | 4895 | 4579 |
| 350 | — | — | — | 3672 | 4056 | 5089 | 5539 | 5990 | 5700 | 6121 |
| 400 | — | — | — | — | 5873 | 6446 | 7018 | 7591 | 7195 | 7675 |

| HT BHT | 2 90 mm | | 2 90 mm 2 60 mm | | 3 90 mm 2 60 mm | |
|----------|-----------|--|------------------------|--|------------------------|--|
| BM | 8 | | 12 | | 16 | |

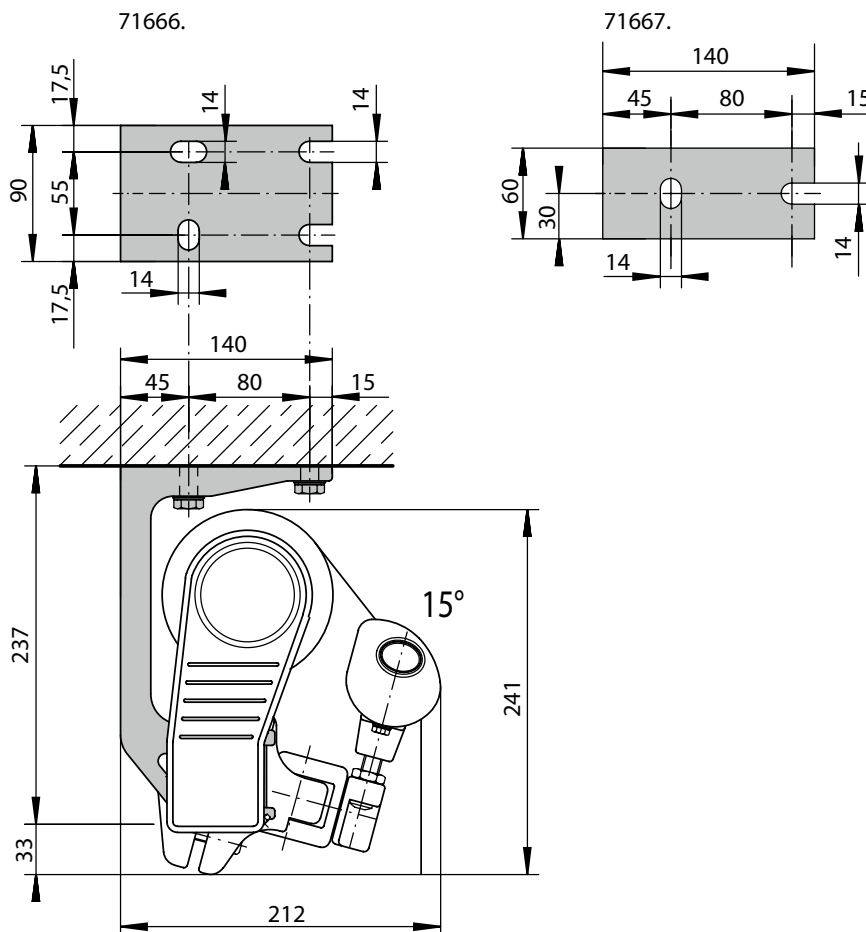
| HT BHT | 2 90 mm | | 2 90 mm 2 60 mm | | 3 90 mm 2 60 mm | |
|----------|-----------|--|------------------------|--|------------------------|--|
| BM | 8 | | 12 | | 16 | |

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

If the awning is fixed with 2 brackets FB per folding arm, the pull-out force can be halved.

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

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- 71666 = top fixture bracket assembly 90 mm
- 71667 = top fixture bracket assembly 60 mm



dimensions in mm

Top fixture with shadeplus / drop valance

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

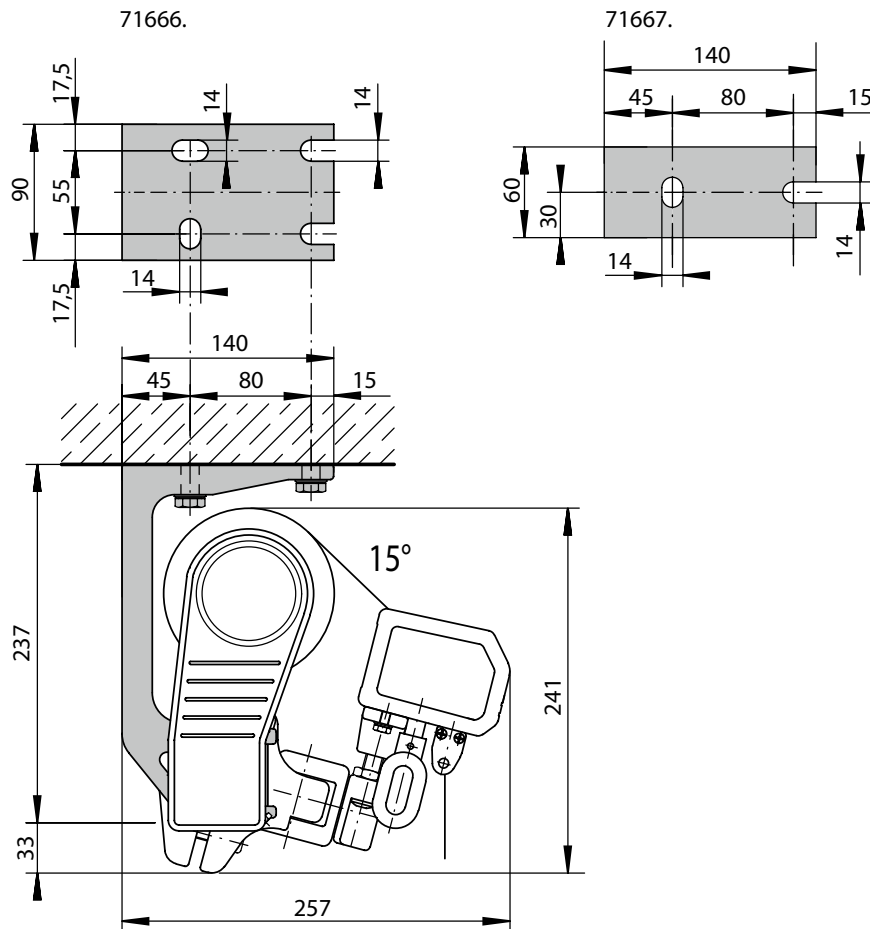
| Compression-proof substrate | | | | | | | | | | | Non compression-proof substrate | | | | | | | | | | |
|-----------------------------|-----------|------|------|------|------|-----------|------|------|-----------|------|---------------------------------|-----------|------|------|------|------|-----------|------|------|-----------|-----|
| M [cm] | | | | | | | | | | | M [cm] | | | | | | | | | | |
| H [cm] | | | | | | | | | | | FB [N] | | | | | | | | | | |
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| 150 | 532 | 619 | 705 | 792 | 879 | 965 | 1052 | 1139 | 1226 | 1093 | 726 | 843 | 960 | 1078 | 1195 | 1312 | 1429 | 1547 | 1664 | 1472 | |
| 200 | 794 | 923 | 1051 | 1180 | 1309 | 1437 | 1566 | 1694 | 1823 | 1654 | 196 | 1273 | 1449 | 1626 | 1802 | 1979 | 2155 | 2331 | 2508 | 2264 | |
| 250 | – | 1311 | 1490 | 1669 | 1848 | 2027 | 2206 | 2385 | 2871 | 2651 | – | 1821 | 2069 | 2317 | 2564 | 2812 | 3060 | 3308 | 3989 | 3672 | |
| 300 | – | – | 1981 | 2220 | 2458 | 2696 | 3306 | 3579 | 3852 | 3595 | – | – | 2763 | 3094 | 3425 | 3756 | 4613 | 4993 | 5374 | 5006 | |
| 350 | – | – | – | 2872 | 3178 | 3943 | 4296 | 4649 | 4413 | 4743 | – | – | – | 4015 | 4442 | 5518 | 6011 | 6505 | 6166 | 6627 | |
| HT BHT | 2 90 mm | | | | | 2 90 mm | | | 3 90 mm | | | 2 90 mm | | | | | 2 90 mm | | | 3 90 mm | |
| | | | | | | 2 60 mm | | | 2 60 mm | | | 2 60 mm | | | | | 2 60 mm | | | 2 60 mm | |
| BM | 8 | | | | | 12 | | | 16 | | | 8 | | | | | 12 | | | 16 | |

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

If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved.

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

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- 71666. = top fixture bracket assembly 90 mm
- 71667. = top fixture bracket assembly 60 mm



dimensions in mm

Eaves fixture

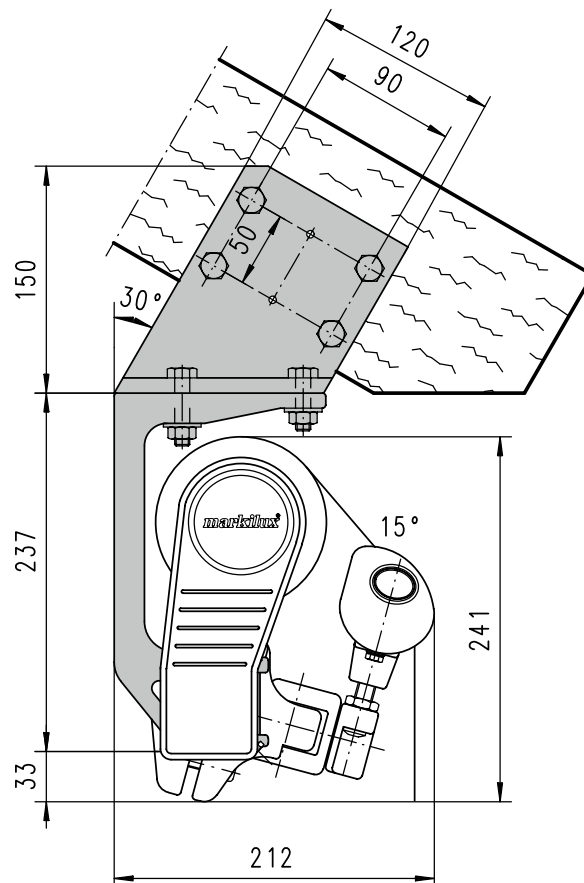
torque value for the bracket in the immediate vicinity of the arm

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

| H [cm] | Torque M [cm] | | | | | | | | | | Shear force M [cm] | | | | | | | | | | | | | | | | | | | |
|--------|------------------|-----|-----|-----|-----|------|------|------|------|------|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|----|--|--|--|--|----|--|--|--|--|
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | | | | | | | | | |
| | Md [Nm] | | | | | | | | | | FS [N] | | | | | | | | | | | | | | | | | | | |
| 150 | 91 | 105 | 119 | 133 | 147 | 161 | 174 | 188 | 202 | 176 | 1140 | 1319 | 1498 | 1676 | 1855 | 2034 | 2212 | 2391 | 2569 | 2303 | | | | | | | | | | |
| 200 | 146 | 168 | 190 | 213 | 235 | 257 | 280 | 302 | 324 | 291 | 1745 | 2018 | 2290 | 2563 | 2836 | 3109 | 3382 | 3655 | 3928 | 3579 | | | | | | | | | | |
| 250 | — | 250 | 283 | 315 | 348 | 381 | 414 | 446 | 548 | 504 | — | 2928 | 3316 | 3705 | 4094 | 4482 | 4871 | 5260 | 6419 | 5945 | | | | | | | | | | |
| 300 | — | — | 387 | 432 | 477 | 522 | 651 | 704 | 757 | 705 | — | — | 4473 | 4999 | 5525 | 6051 | 7512 | 8126 | 8739 | 8180 | | | | | | | | | | |
| 350 | — | — | — | 572 | 631 | 794 | 864 | 934 | 886 | 951 | — | — | — | 6550 | 7235 | 9074 | 9878 | 10682 | 10169 | 10921 | | | | | | | | | | |
| 400 | — | — | — | — | 922 | 1011 | 1101 | 1191 | 1125 | 1200 | — | — | — | — | 10467 | 11487 | 12507 | 13528 | 12828 | 13683 | | | | | | | | | | |
| HT | 2 | | | | | 4 | | | | | 5 | | | | | 2 | | | | | 4 | | | | | 5 | | | | |
| BM | 8 | | | | | 16 | | | | | 20 | | | | | 8 | | | | | 16 | | | | | 20 | | | | |

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



dimensions in mm

Eaves fixture with additional spreader / backing plate

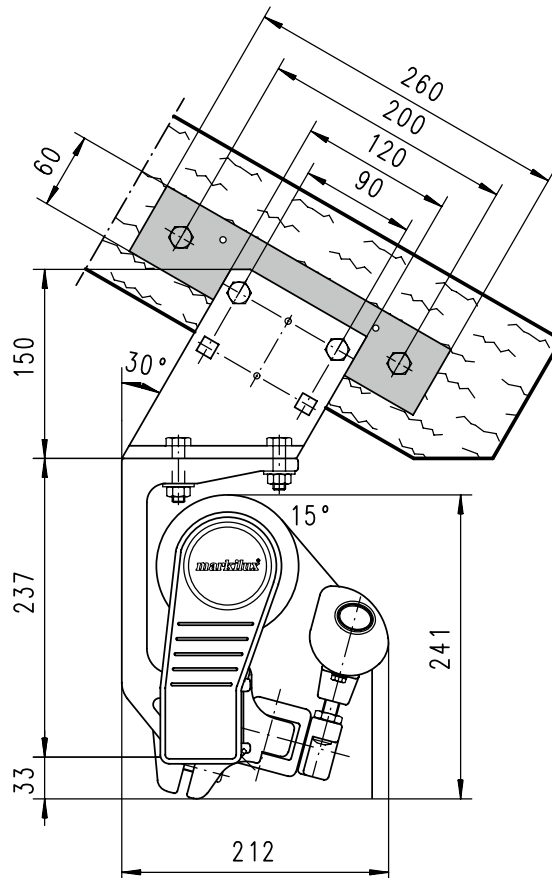
torque value for the bracket in the immediate vicinity of the arm

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

| H [cm] | Torque M [cm] | | | | | | | | | | Shear force M [cm] | | | | | | | | | | | | | | | | | | | |
|--------|------------------|-----|-----|-----|-----|------|------|------|------|------|-----------------------|------|------|------|------|------|------|------|------|------|---|--|--|--|--|---|--|--|--|--|
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | | | | | | | | | | |
| | Md [Nm] | | | | | | | | | | FS [N] | | | | | | | | | | | | | | | | | | | |
| 150 | 91 | 105 | 119 | 133 | 147 | 161 | 174 | 188 | 202 | 176 | 582 | 676 | 770 | 864 | 958 | 1053 | 1147 | 1241 | 1335 | 1229 | | | | | | | | | | |
| 200 | 146 | 168 | 190 | 213 | 235 | 257 | 280 | 302 | 324 | 291 | 854 | 990 | 1127 | 1264 | 1400 | 1537 | 1673 | 1810 | 1946 | 1803 | | | | | | | | | | |
| 250 | — | 250 | 283 | 315 | 348 | 381 | 414 | 446 | 548 | 504 | — | 1400 | 1589 | 1777 | 1966 | 2155 | 2343 | 2532 | 3067 | 2868 | | | | | | | | | | |
| 300 | — | — | 387 | 432 | 477 | 522 | 651 | 704 | 757 | 705 | — | — | 2109 | 2360 | 2610 | 2860 | 3532 | 3822 | 4111 | 3873 | | | | | | | | | | |
| 350 | — | — | — | 572 | 631 | 794 | 864 | 934 | 886 | 951 | — | — | — | 3058 | 3379 | 4221 | 4596 | 4972 | 4755 | 5107 | | | | | | | | | | |
| 400 | — | — | — | — | 922 | 1011 | 1101 | 1191 | 1125 | 1200 | — | — | — | — | 4834 | 5307 | 5780 | 6253 | 5951 | 6350 | | | | | | | | | | |
| HT | 2 | | | | | 4 | | | | | 5 | | | | | 2 | | | | | 4 | | | | | 5 | | | | |
| BM | 4 | | | | 8 | | | | 10 | | 4 | | | | 8 | | | | 10 | | | | | | | | | | | |

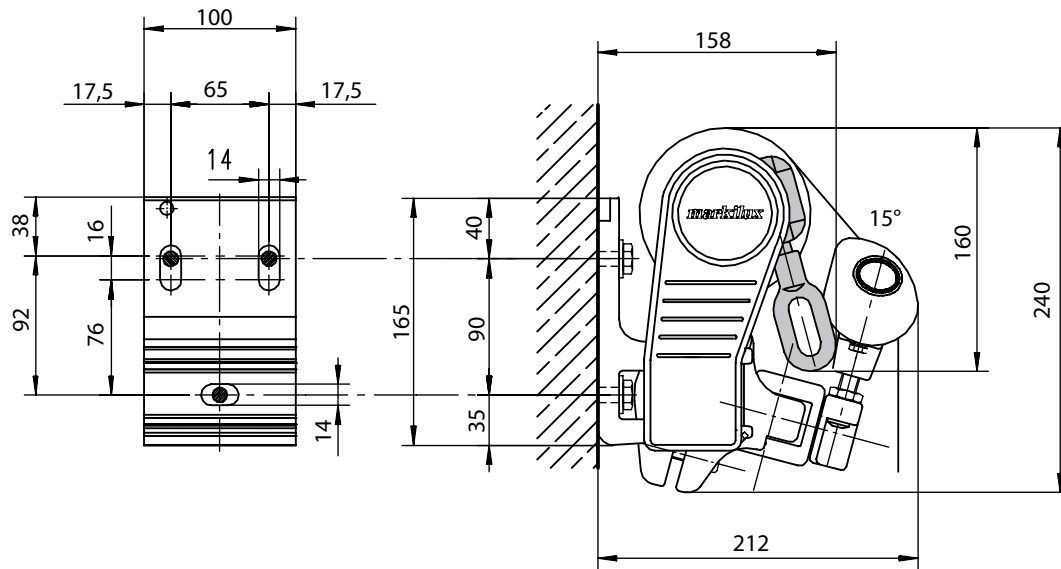
By using the additional flat fixture plate, the shear force is reduced in comparison with conventional eaves fixture.

- 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



dimensions in mm

Face fixture with manual operation



dimensions in mm

Pitch adjustment gear

Ideal for additional solar protection on the balcony

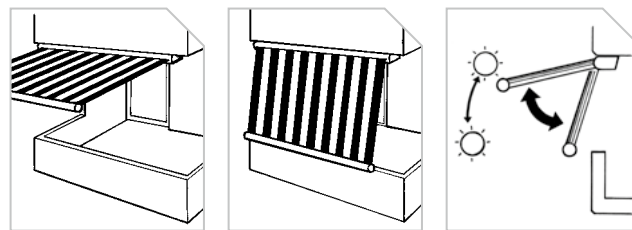
Up to a projection of 300 cm and with the awning extended, 2 folding arms can be raised or lowered easily and noiselessly between the angles of 4° and 54° or 35° and 85° by means of a winding handle (only gearbox operated).

The eye used to alter the pitch of the awning is attached directly to the gearbox, which can be positioned optionally on the left or the right. All the components needed to adjust the pitch of the awning are hidden away inside the torque bar and so protected from the elements.

A fine tuning mechanism enables the arms to be levelled with ease.

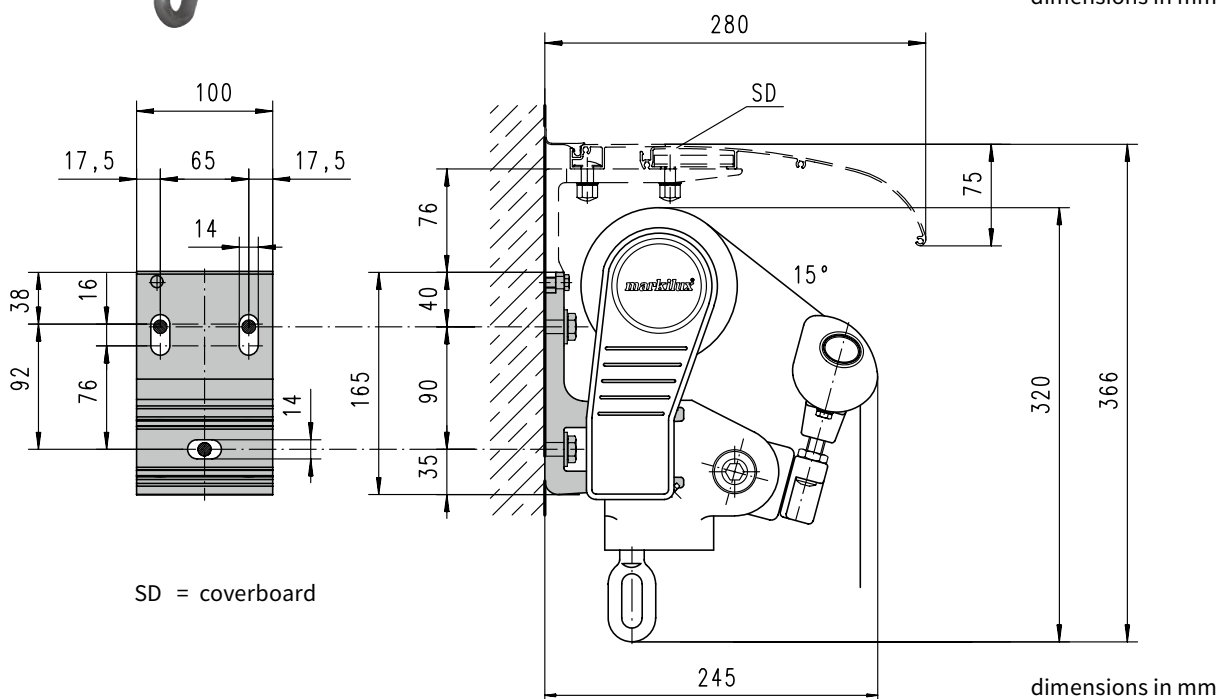
The pitch adjustment gear is supplied in white with white awnings and in black with any other colour.

Attention! The pitch adjustment gear may only be operated when the awning is extended. Attempting to adjust the pitch with the awning closed, may cause the system to malfunction!




| | | M min. | |
|---|-----|--------|-----|
| | | ⊖ | ⊕ |
| H | 150 | 200 | 200 |
| | 200 | 250 | 238 |
| | 250 | 300 | 288 |
| | 300 | 350 | 338 |


dimensions in mm



SD = coverboard

dimensions in mm

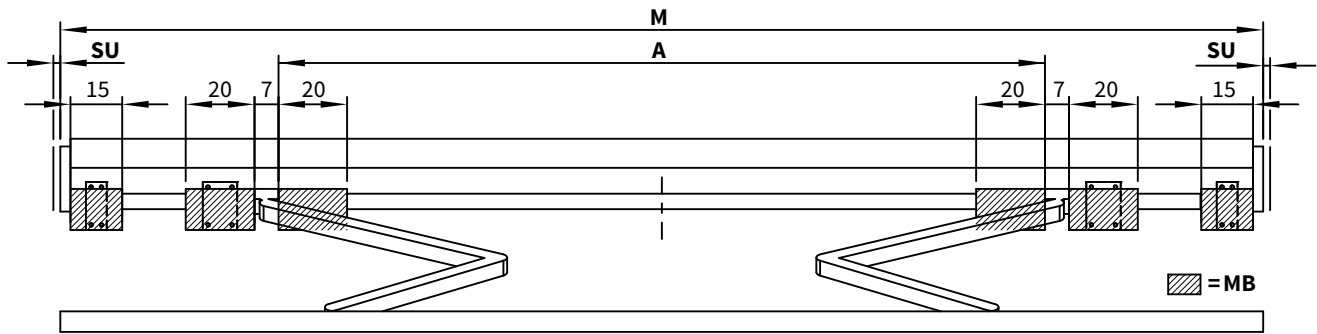
 = standard folding arms

 = standard

M min. = minimum widths

H = projection

Bracket fixture range for awnings with 2 folding arms



dimensions in cm

| M [cm] | SB → | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
|--------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| | ZB → | | 167–250 | 251–300 | 301–350 | 351–400 | 401–450 | 451–500 | 501–550 | 551–600 |

| H [cm] ↓ | A [cm] | | | | | | | | |
|----------|--------|------|------|------|------|-----|-----|-----|-----|
| 150 | 156 | 206 | 240 | 275 | 310 | 345 | 375 | 415 | 450 |
| 200 | 206* | 206 | 240 | 275 | 310 | 345 | 375 | 415 | 450 |
| 250 | — | 256* | 256 | 275 | 310 | 345 | 375 | 415 | 450 |
| 300 | — | — | 306* | 306 | 310 | 345 | 375 | 415 | 450 |
| 350 | — | — | — | 356* | 356 | 375 | 375 | 415 | — |
| 400 | — | — | — | — | 406* | 406 | 406 | 415 | — |

dimensions in cm

| W | BHT ↓ | HT ↓ | |
|--------|-------|------|---|
| | 60 mm | | — |
| 100 mm | | 2 | 2 |

| DE | 60 mm | | — | 2 |
|----|-------|--|---|---|
| | 90 mm | | 2 | 2 |

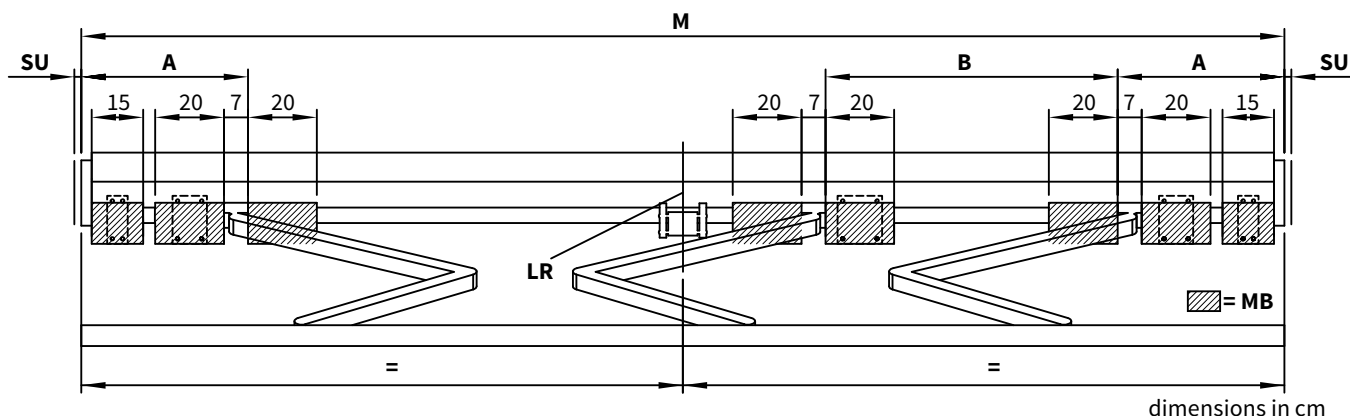
| DA | 90 mm | | 2 | 4 |
|----|-------|--|---|---|
|----|-------|--|---|---|

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

* = Please note the minimum widths! Dimension **A** is only valid for standard arms! Dimension **A** is 13 cm less in the case of bespoke arms. In the case of small awnings the brackets can only be fitted inside the arms, i.e. the position denoted by measurement **A**.

- M = awning width
- H = projection
- A = arm position
- HT = no. of brackets
- BHT = bracket width
- MB = bracket fixture range
- W = face fixture
- DE = top fixture
- DA = eaves fixture
- SB = standard width
- ZB = intermediate width
- SU = coverboard overhang 2 cm

Bracket fixture range for awnings with 3 folding arms



| M [cm] | SB → | 650 | | | 700 | |
|--------|------|---------|---------|---------|---------|---------|
| | ZB → | 601–613 | 614–650 | 640–650 | 651–674 | 675–700 |

| H [cm] ↓ | A [cm] ↓ | B [cm] ↓ | A [cm] ↓ | B [cm] ↓ | A [cm] ↓ | B [cm] ↓ | A [cm] ↓ | B [cm] ↓ | A [cm] ↓ | B [cm] ↓ | KM [cm] |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 200 | — | — | — | — | — | — | 55 | 225 | 55 | 225 | 341 |
| 250 | — | — | — | — | — | — | 55 | 210 | 55 | 210 | 416 |
| 300 | — | — | — | — | — | — | 55 | 200 | 55 | 200 | 491 |
| 350 | 29 | 180 | 30 | 190 | — | — | 50 | 190 | 55 | 190 | 566 |
| 400 | — | — | — | — | 12* | 204* | 17 | 204 | 30 | 204 | 640 |

dimensions in cm

| W | BHT ↓ | HT ↓ |
|--------|-------|------|
| | 60 mm | 2 |
| 100 mm | 3 | |

| | | |
|----|-------|---|
| DE | 60 mm | 2 |
| | 90 mm | 3 |

| | | |
|----|-------|---|
| DA | 90 mm | 5 |
|----|-------|---|

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

* = The 2 × 60 mm brackets cannot be fitted in this instance and are not supplied

M = awning width

H = projection

A = arm position

B = arm position

HT = no. of brackets

BHT = bracket width

MB = bracket fixture range

W = face fixture

DE = top fixture

DA = eaves fixture

SB = standard width

ZB = intermediate width

LR = a rolltex bearing with accompanying bracket is always placed under a central seam (depends on the awning size)

SU = coverboard overhang 2 cm

KM = minimum awning width