safe · timeless · beautiful

# markilux Pavilion 2

The first awning that allows the centre to be raised into an apex.

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**design features**

- Shaped by well-known designers, given the IF Design Award for excellent design.
- A semi-cassette folding-arm awning. The dynamically rounded coverboard gives the awning the appearance of being fully cassetted.
- The possibility of mixing and matching the colour of the cassette with that of the end caps gives you the option of making your markilux awning your very own.
- Elegant and robust front profile made of aluminium.
- for long-lasting attractiveness the awning has been powder coated.

**technical highlights**

- The front profile can be pushed up into a gable position with a rod so that rainwater can run off even when the awning is set at a low pitch. When the awning is retracted it returns automatically to its original, flat position thanks to the use of specialised technology.
- Sturdy, round steel torque bar, 50 mm ∅, 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.
- Coverboard wit integrated brush so that larger pieces of debris cannot be drawn into the awning.
- Folding arms with perfected power transference by means of double, rounded steel-link chains and direct coupling of the springs. The highest safety standards even at large extensions

**optional accessories**

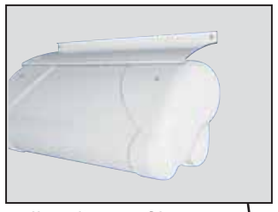
- In the case of manual operation ease of use is ensured with the spring-assisted gearbox.
- Hard-wired motor drive (optionally with automatic controls) for simple, relaxed operation.
- Radio-controlled motor with handheld transmitter for ease of operation - and ergonomically crafted for ease of use.
- Awning available in non-standard RAL colours
- An easily connected sun and wind sensor provides intelligent control options and essential protection.

· Beautifully crafted brackets; Design down to the last detail · 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 · Folding arms with drop-forged, aluminium joints and Teflon-coated bronze bushes to ensure high stability and longevity · The greater upper to lower arm length ratio gives high lateral stability of the awning · Simply pitch adjustment via the bracket without necessitating readjustment of the front profile · Fixture brackets are made of extruded aluminium · Folding arms with perfected power transmittance by means of double, rounded steel-link chains and direct coupling of the springs. The highest safety standards even at large extensions · At larger widths one or more rolltex bearings support the roller tube Wall sealing profile to cover the gap between awning and wall.

# *Folding-arm awning markilux Pavilion 2*

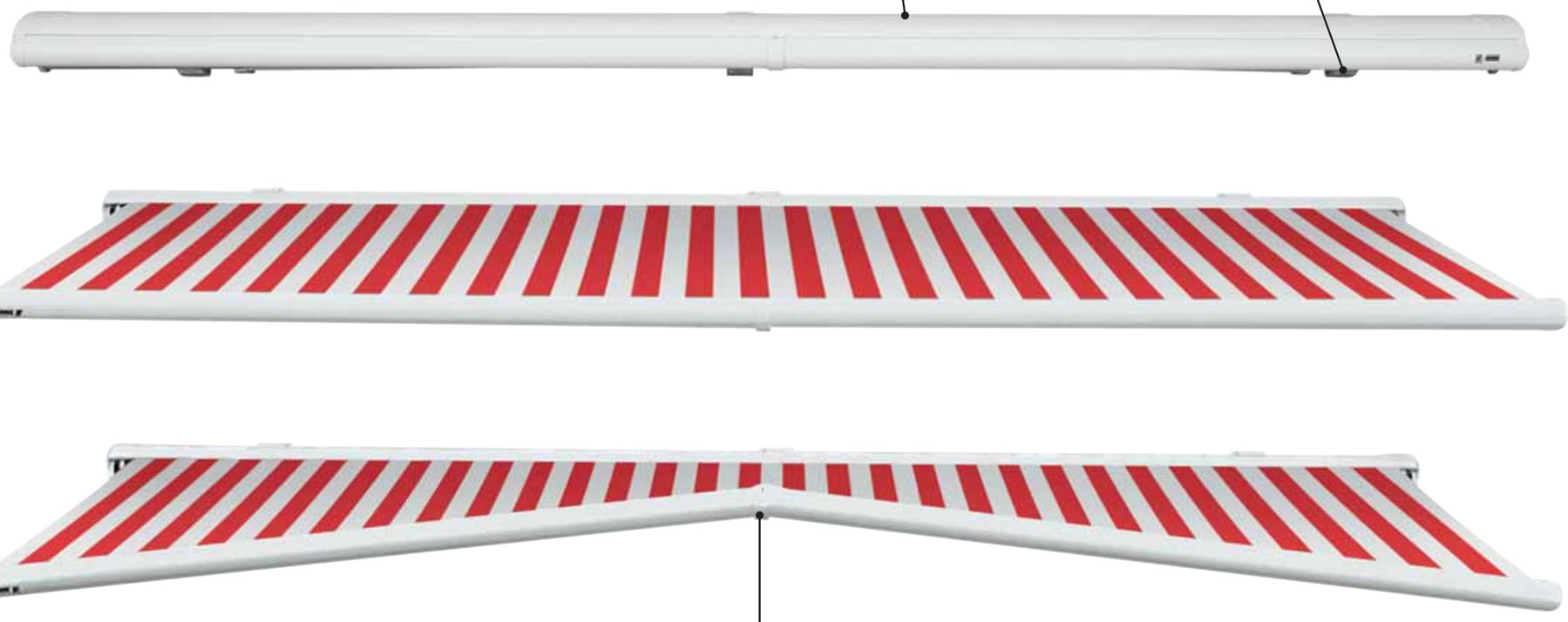
corrosion-resistant and technically proven; twin steel-link chains at the elbow joints

side view with awning closed, face fixture



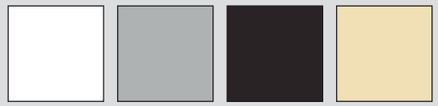
wall sealing profile (optional)

simple pitch adjustment



apex function

Standard RAL colours:



standard:

optional accessories:

safe · timeless · beautiful



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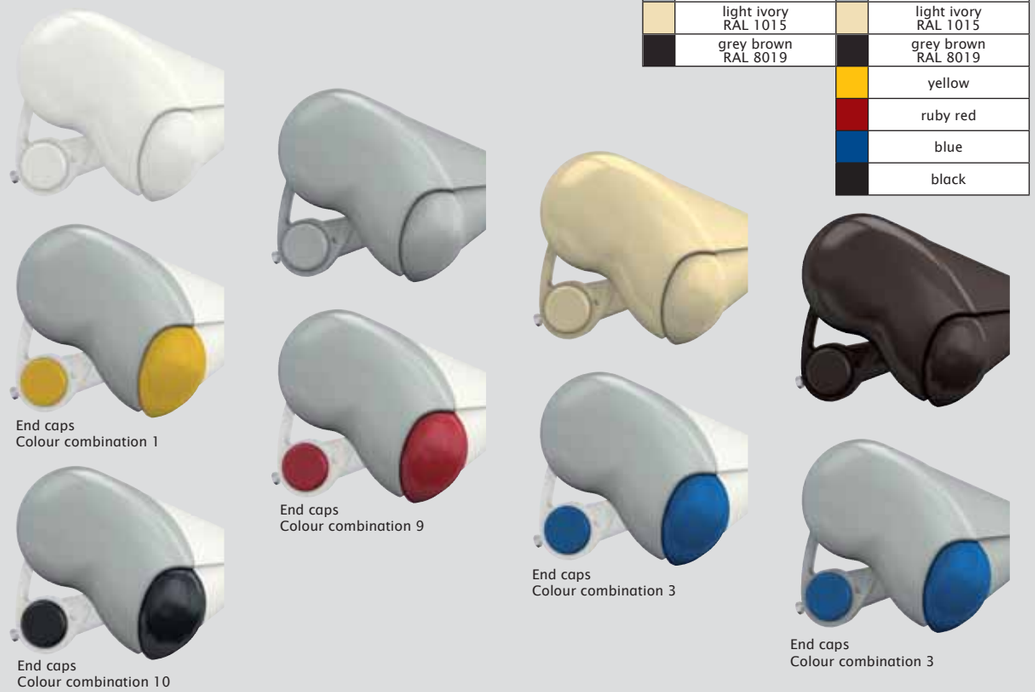
markilux

## Choice of colours

| frame colours | End caps |
|---|---|
| traffic white RAL 9016 | traffic white RAL 9016 |
| metallic aluminium RAL 9006 | metallic aluminium RAL 9006 |
| light ivory RAL 1015 | light ivory RAL 1015 |
| grey brown RAL 8019 | grey brown RAL 8019 |
| | yellow |
| | ruby red |
| | blue |
| | black |



End caps
Colour combination 1

End caps
Colour combination 9

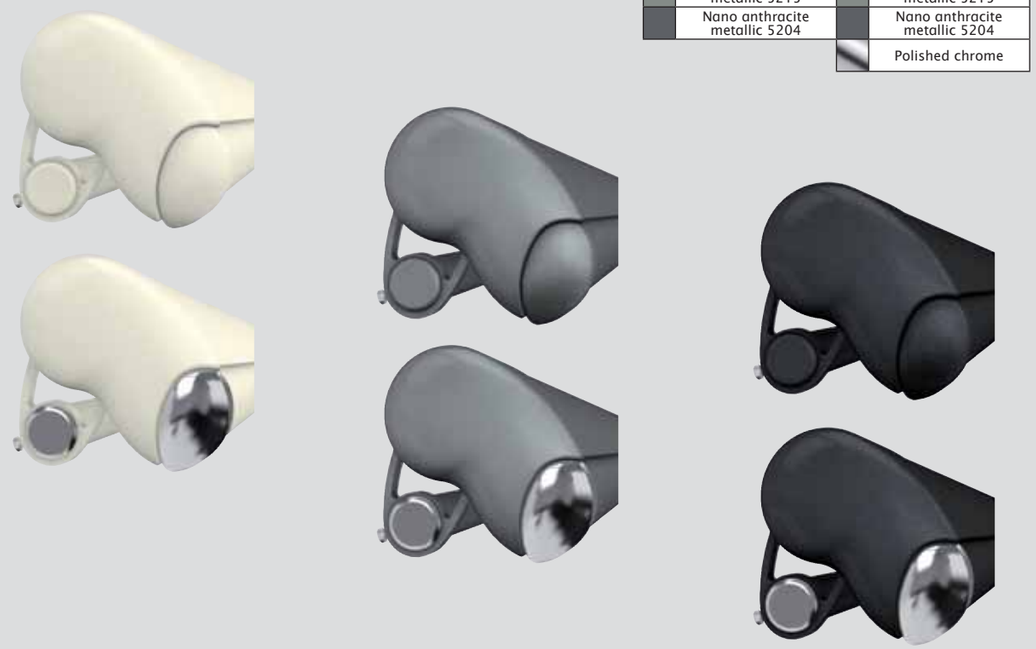
End caps
Colour combination 3

End caps
Colour combination 10

End caps
Colour combination 3

## markilux Pavilion 2 Lounge

| frame colours | End caps |
|---|---|
| Nano off-white textured finish 5233 | Nano off-white textured finish 5233 |
| Nano stone grey metallic 5215 | Nano stone grey metallic 5215 |
| Nano anthracite metallic 5204 | Nano anthracite metallic 5204 |
| | Polished chrome |



# dimensions and configuration options

| extension | Overall blind width | | | | | | | minimum width motor operation [10] | minimum width manual operation [10] |
|---|---|---|---|---|---|---|---|---|---|
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | standard arms | standard arms |
| | 350-360 | 361-410 | 411-460 | 461-510 | 511-560 | 561-610 | 611-660 | | |
| 250 | 28) | | | | | | | 350 | 350 |
| 300 | | 28) | | | | | | 400 | 400 |
| 350 | | | 28) | | | | | 450 | 450 |

dimensions in cm

10) the dimensions are only valid for fixture without spreader plates (2 folding arms).
28) Please note the minimum widths!

= available, 2 folding arms

= available, 2 folding arms, 1 Rolltex bearing

| configuration options | |
|---|---|
| **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) | – |
| perla FR (fabric series 374xx/379xx) | ○ |
| Soltis 92 | – |
| PVC fabric | – |
| **miscellaneous** | |
| Coverboard | – |
| Sytem coverboard | – |
| wall sealing profile | ○[3] |
| Pitch adjustment gear | – |
| Insertable side blind | – |
| sun and wind sensor | ○ |
| Valance | – |
| 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
○[3] = wall sealilng profile effective up to an awning pitch of 20°

**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**

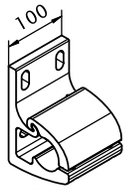
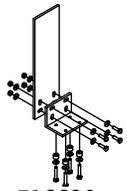
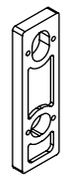
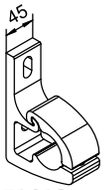
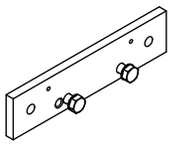
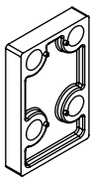
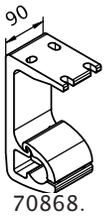
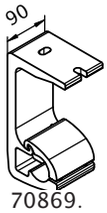
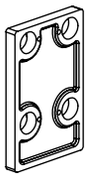
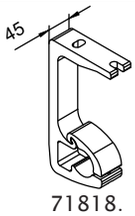
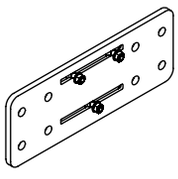
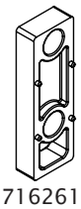
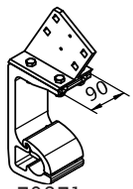
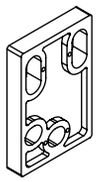
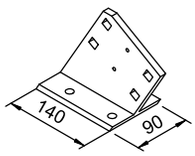
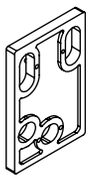
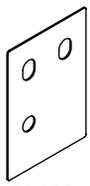
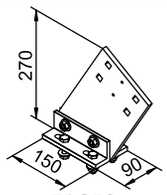
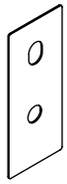
In the case of manual operation, assume approx. 16 winding handle revolutions per metre of awning extension.

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

| frame colours | | |
|---|---|---|
| | RAL 9016<br>traffic white | • |
| | RAL 8019<br>grey brown | • |
| | RAL 9006<br>metallic aluminium | • |
| | RAL 1015<br>light ivory | • |
| | 5204<br>Nano anthracite metallic 5204 (Lounge) | ○ |
| | 5215<br>Nano stone grey metallic 5215 (Lounge) | ○ |
| | 5233 Nano off-white textured finish (Lounge) | ○ |
| | non-standard RAL colour | ○ |

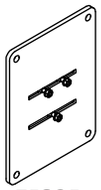
# markilux Pavilion 2

## fixings and accessories

| | | |
|---|---|---|
|  Face fixture bracket assembly<br>100mm<br>70867. |  Angle and fixture plate for eaves fixture<br>machine finish<br>716620 |  Spacer plate for face fixture<br>45x150x12mm<br>71826. |
|  Face fixture bracket assembly<br>45mm<br>71813. |  Additional eaves fixture plate<br>60x260x12mm<br>75383. |  Spacer plate for top fixture<br>90x140x20mm<br>N.B! stack to a max. of 200 mm<br>716311 |
|  Top fixture bracket assembly<br>90mm<br>70868. |  Top fixture bracket assembly<br>assembly for central fixture<br>70869. |  Spacer plate for top fixture<br>90x140x12mm<br>716411 |
|  Top fixture bracket assembly<br>45mm<br>71818. |  Component assembly spreader plate A<br>160x430x12mm<br>75326. |  Spacer plate for top fixture<br>45x140x20mm<br>N.B! stack to a max. of 200 mm<br>716261 |
|  Eaves fixture bracket assembly<br>90mm<br>complete set<br>70871. |  Spacer plate for face fixture<br>100x150x20mm<br>N.B! stack to a max. of 200 mm<br>718231 |  Spacer plate for top fixture<br>45x140x12mm<br>716371 |
|  Eaves fixture bracket<br>140mm<br>71612. |  Spacer plate for face fixture<br>100x150x12mm<br>718241 |  Cover plate for external insulation<br>140x200x2mm<br>71833. |
|  Eaves fixture bracket assembly<br>270mm<br>71659. |  Spacer plate for face fixture<br>45x150x20mm<br>N.B! stack to a max. of 200 mm<br>718251 |  Cover plate for external insulation<br>85x200x2mm<br>71834. |

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

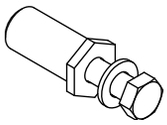
# fixings and accessories



Component assembly spreader plate B

300x400x12mm

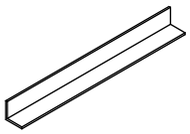
75325.



Reduction assembly M 16 - M 10 / SW 27

50mm length
(please refer to "Technical Information")

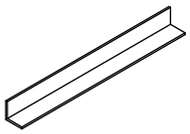
754921



Angled profile for eaves fixtures

100x100mm
available by the metre, undrilled

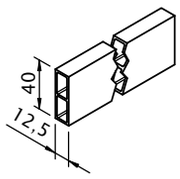
79380.



Angled profile for eaves fixtures

100x100mm
available by the metre, undrilled

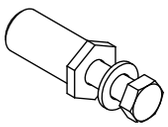
793800 machine finish




stand-off strip for wall sealing profile

available by the metre
Fixture example, see face fixture with wall sealing profile

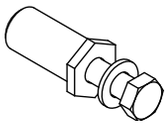
751971



Reduction assembly M 16 - M 12 / SW 27

50mm length
(please refer to "Technical Information")

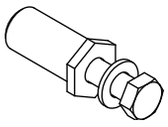
753891



Reduction assembly M 10 - M 10 / SW 27

50mm length
(please refer to "Technical Information")

754901



Reduction assembly M 12 - M 10 / SW 27

50mm length
(please refer to "Technical Information")

754911

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

# markilux Pavilion 2

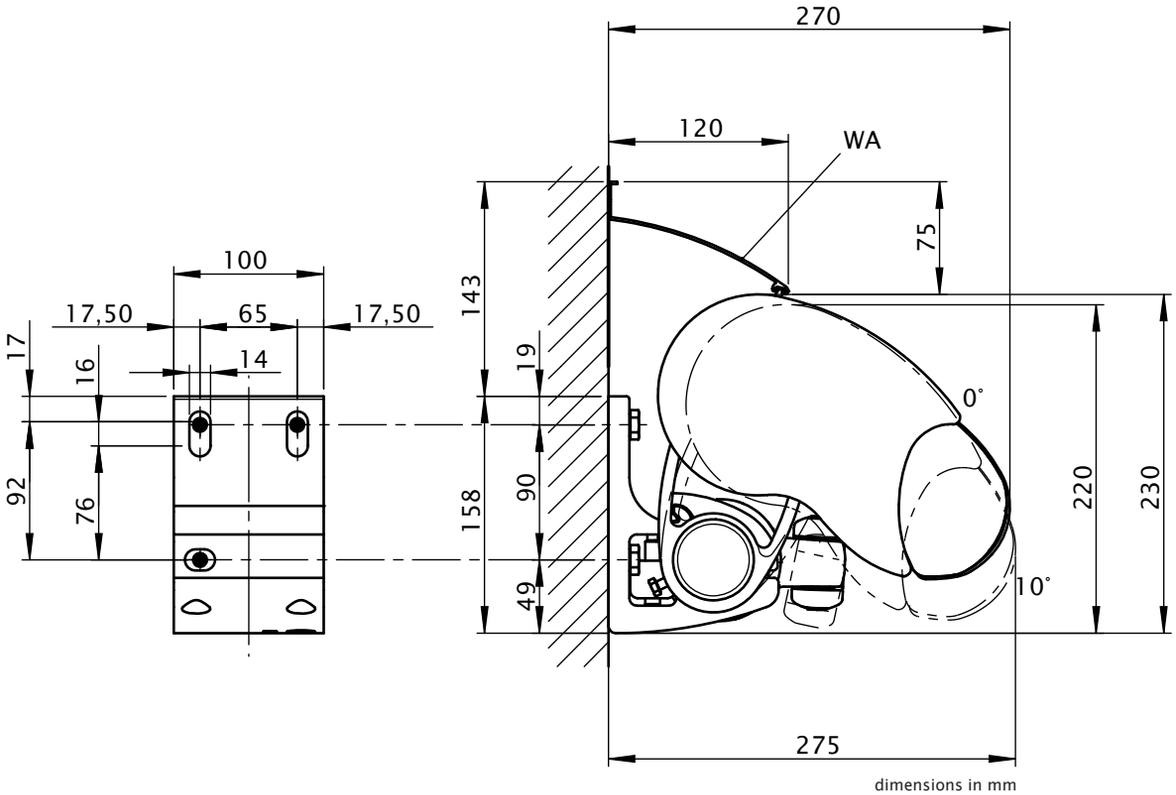
## Face fixture

**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] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | FB [N] | | | | | | | FB [N] | | | | | | |
| 250 | 1433 | 1594 | 1754 | 1914 | 2075 | 2235 | 2677 | 1959 | 2178 | 2397 | 2616 | 2835 | 3055 | 3658 |
| 300 | --- | 2128 | 2344 | 2560 | 3118 | 3366 | 3614 | --- | 2909 | 3204 | 3499 | 4261 | 4600 | 4939 |
| 350 | --- | --- | 3392 | 3715 | 4039 | 4362 | --- | --- | --- | 4636 | 5078 | 5519 | 5961 | --- |
| HT \| BHT | 2 \| 100 mm | | 2 \| 100 mm | | | | | 2 \| 100 mm | | 2 \| 100 mm | | | | |
| | --- | | 1 \| 45 mm | | | | | --- | | 1 \| 45 mm | | | | |
| BM | 6 | | 8 | | | | | 6 | | 8 | | | | |

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-ompression-proof** substrates. If the awning is fitted with two brackets per folding arm the pull-out force may be halved. Place the brackets directly left and right of the arm bearer.

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




dimensions in mm

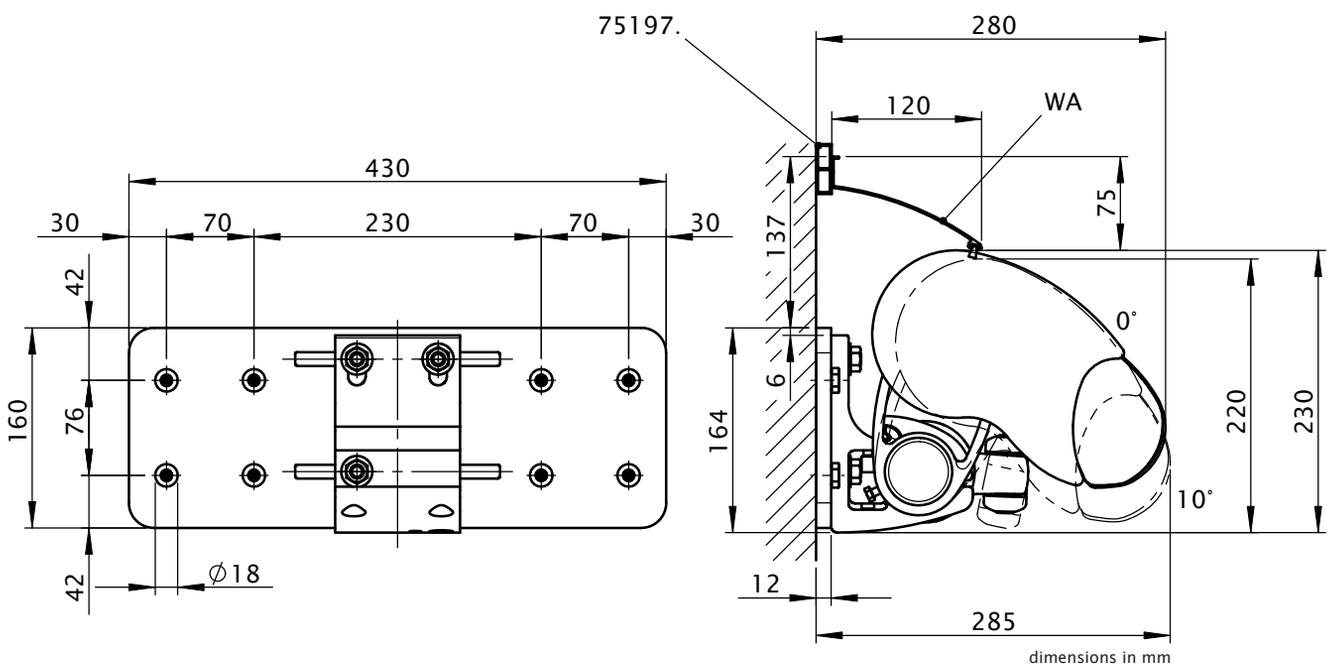
# Face fixture with spreader plate A

**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] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | FB [N] | | | | | | | FB [N] | | | | | | |
| 250 | 823 | 915 | 1007 | 1099 | 1191 | 1282 | 1536 | 1169 | 1300 | 1430 | 1561 | 1692 | 1822 | 2183 |
| 300 | --- | 1220 | 1344 | 1468 | 1787 | 1929 | 2071 | --- | 1734 | 1910 | 2085 | 2540 | 2742 | 2944 |
| 350 | --- | --- | 1943 | 2128 | 2313 | 2498 | --- | --- | --- | 2761 | 3024 | 3287 | 3550 | --- |
| HT \| BHT | 2 \| 100mm | | 2 \| 100 mm | | | | | 2 \| 100mm | | 2 \| 100 mm | | | | |
| | --- | | 1 \| 45 mm | | | | | --- | | 1 \| 45 mm | | | | |
| BP | 2 | | 2 | | | | | 2 | | 2 | | | | |
| DP | --- | | 1 | | | | | --- | | 1 | | | | |
| BM | 16 | | 18 | | | | | 16 | | 18 | | | | |

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
DP = no. of spacer plates
BM = no. of fixing points
WA = wall sealing profile




dimensions in mm

# markilux Pavilion 2

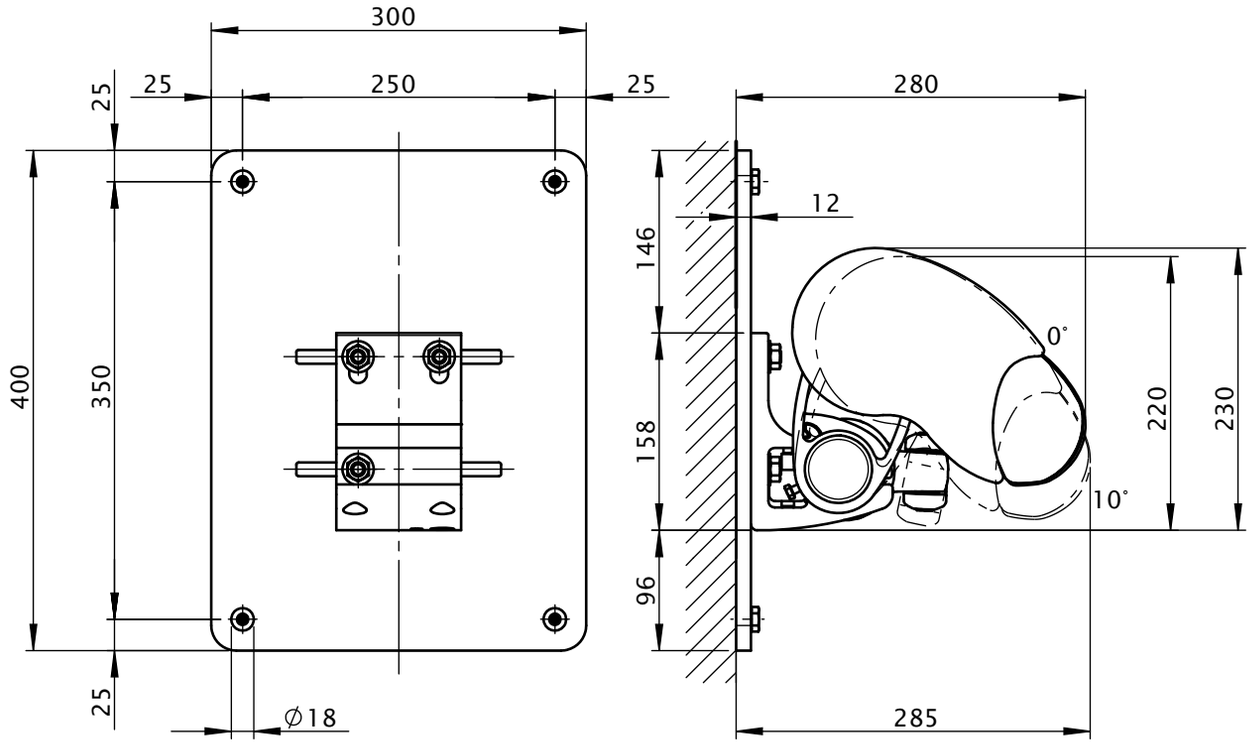
## Face fixture with spreader plate B

**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] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | FB [N] | | | | | | | FB [N] | | | | | | |
| 250 | 487 | 541 | 596 | 650 | 705 | 759 | 909 | 508 | 564 | 621 | 678 | 735 | 791 | 948 |
| 300 | --- | 722 | 795 | 868 | 1058 | 1142 | 1226 | --- | 753 | 829 | 906 | 1103 | 1191 | 1278 |
| 350 | --- | --- | 1150 | 1259 | 1369 | 1478 | --- | --- | --- | 1199 | 1313 | 1428 | 1542 | --- |
| HT \| BHT | 2 \| 100mm | | 2 \| 100 mm | | | | | 2 \| 100mm | | 2 \| 100 mm | | | | |
| | --- | | 1 \| 45 mm | | | | | --- | | 1 \| 45 mm | | | | |
| BP | 2 | | 2 | | | | | 2 | | 2 | | | | |
| DP | --- | | 1 | | | | | --- | | 1 | | | | |
| BM | 8 | | 10 | | | | | 8 | | 10 | | | | |

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




dimensions in mm

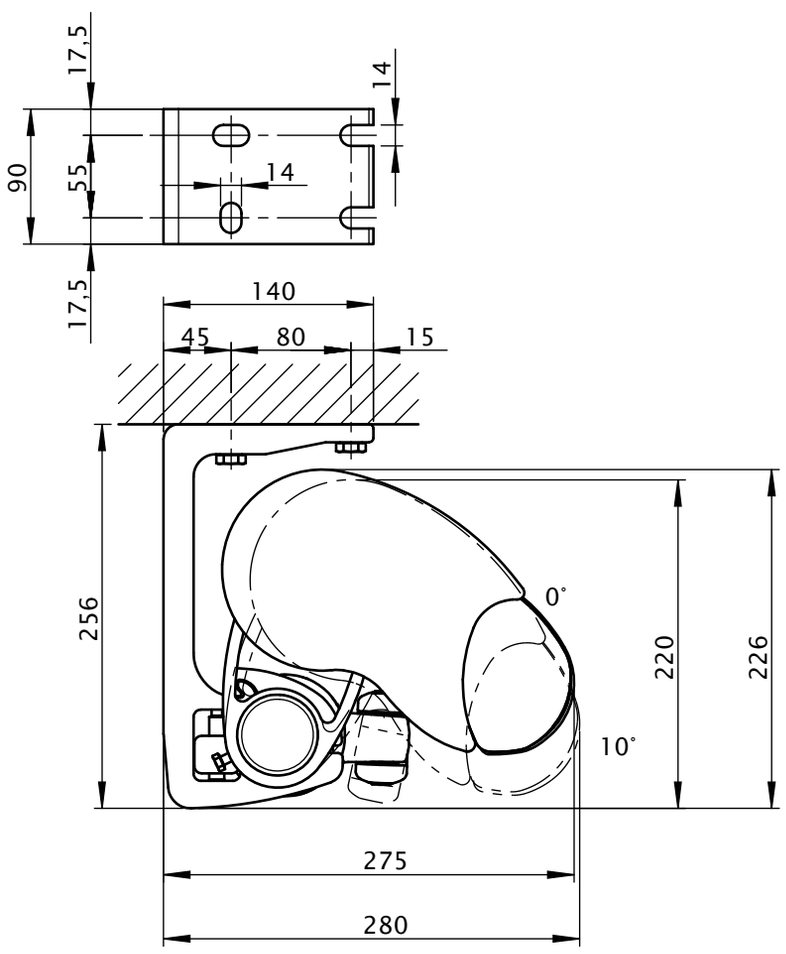
# Top fixture

**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] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | FB [N] | | | | | | | FB [N] | | | | | | |
| 250 | 1769 | 1970 | 2170 | 2370 | 2570 | 2771 | 3300 | 2294 | 2553 | 2812 | 3071 | 3330 | 3589 | 4280 |
| 300 | --- | 2596 | 2861 | 3127 | 3792 | 4095 | 4398 | --- | 3375 | 3719 | 4064 | 4933 | 5327 | 5721 |
| 350 | --- | --- | 4089 | 4480 | 4871 | 5262 | --- | --- | --- | 5331 | 5840 | 6349 | 6859 | --- |
| HT \| BHT | 2 \| 90 mm | | 2 \| 90 mm | | | | | 2 \| 90 mm | | 2 \| 90 mm | | | | |
| | --- | | 1 \| 45 mm | | | | | --- | | 1 \| 45 mm | | | | |
| BM | 8 | | 10 | | | | | 8 | | 10 | | | | |

The pull-out force refers to the horizontal centre to centre separation of the fixture point of **80 mm**. If the awning is fitted with two brackets per folding arm the pull-out force may be halved. Place the brackets directly left and right of the arm bearer.

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

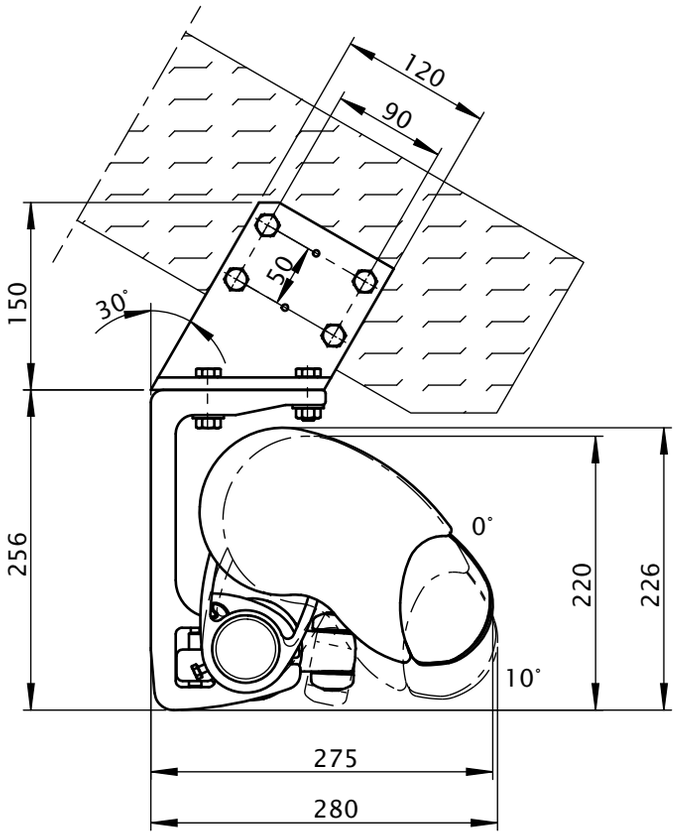
# Eaves/Roof timber fixture

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

| | Torque | | | | | | | shear force | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M [cm] | | | | | | | M [cm] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | Md [Nm] | | | | | | | FS [N] | | | | | | |
| 250 | 124 | 142 | 160 | 177 | 195 | 213 | 231 | 4098 | 4561 | 5025 | 5488 | 5951 | 6414 | 7646 |
| 300 | --- | 219 | 247 | 274 | 302 | 330 | 357 | --- | 6022 | 6638 | 7253 | 8801 | 9504 | 10207 |
| 350 | --- | --- | 432 | 471 | 510 | 550 | --- | --- | --- | 9503 | 10411 | 11319 | 12227 | --- |
| HT | 2 | | 3 | | | | | 2 | | 3 | | | | |
| BM | 8 | | 12 | | | | | 8 | | 12 | | | | |

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 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




dimensions in mm

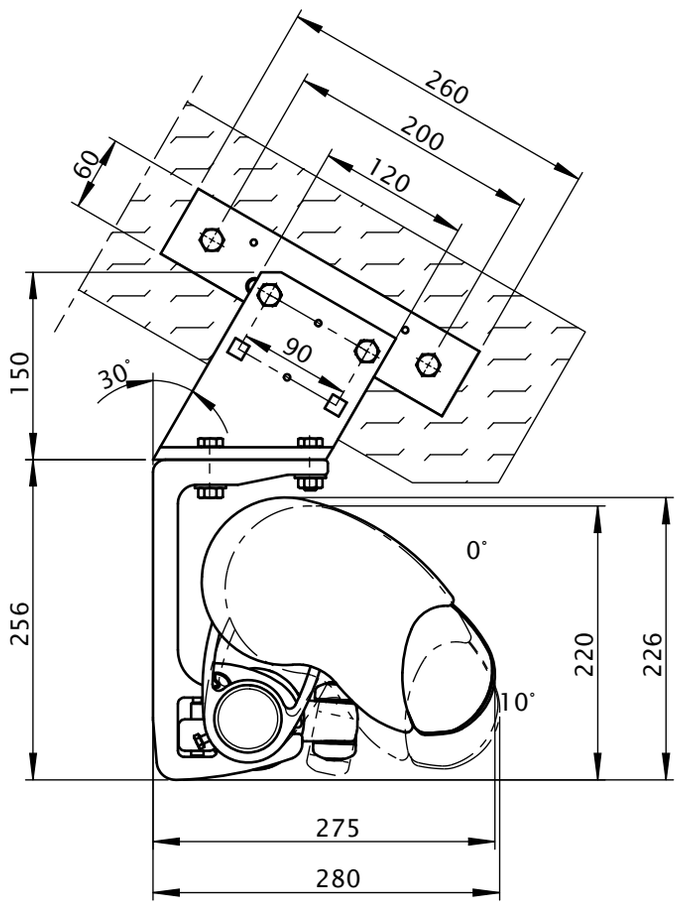
# Eaves fixture with additional plate

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

| | Torque | | | | | | | shear force | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M [cm] | | | | | | | M [cm] | | | | | | |
| | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 360 | 410 | 460 | 510 | 560 | 610 | 660 |
| H [cm] | Md [Nm] | | | | | | | FS [N] | | | | | | |
| 250 | 124 | 142 | 160 | 177 | 195 | 213 | 231 | 1943 | 2165 | 2388 | 2610 | 2832 | 3054 | 3622 |
| 300 | --- | 219 | 247 | 274 | 302 | 330 | 357 | --- | 2823 | 3113 | 3404 | 4115 | 4445 | 4775 |
| 350 | --- | --- | 432 | 471 | 510 | 550 | --- | --- | --- | 4403 | 4825 | 5247 | 5670 | --- |
| HT | 2 | | 3 | | | | | 2 | | 3 | | | | |
| BM | 4 | | 6 | | | | | 4 | | 6 | | | | |

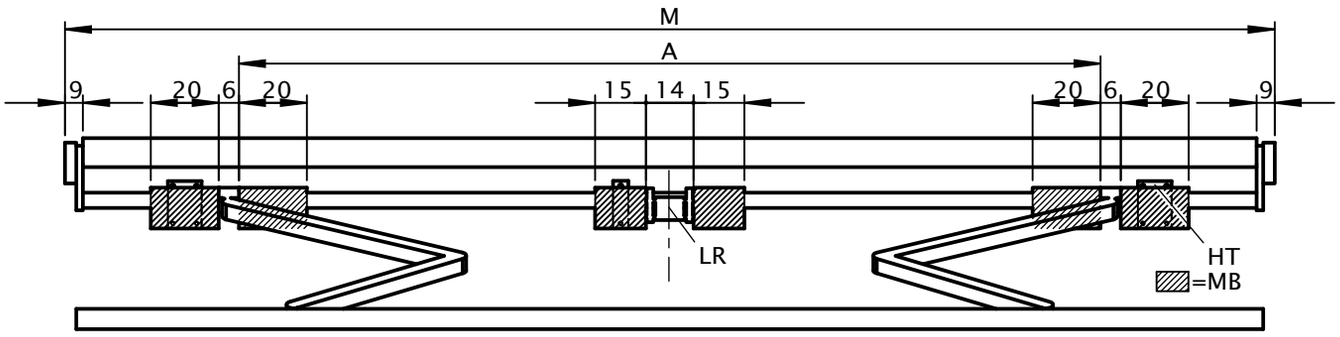
By using the additional flat plate, the shear force is reduced in comparison with conventional eaves fixture.

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




dimensions in mm

# Bracket range for awnings with 2 folding arms




dimensions in cm

| M [cm] | | SB / ZB | 360 350-360 | 410 361-410 | 460 411-460 | 510 461-510 | 560 511-560 | 610 561-610 | 660 611-660 |
|---|---|---|---|---|---|---|---|---|---|
| H [cm] | | | A [cm] | | | | | | |
| | | 250 | 277 ▲ | 285 | 320 | 355 | 390 | 425 | 460 |
| | | 300 | --- | 327 ▲ | 335 | 355 | 390 | 425 | 460 |
| | | 350 | --- | --- | 377 ▲ | 385 | 390 | 425 | --- |
| W | HT \| BHT | 45 mm | --- | | 1 | | | | |
| | | 100 mm | 2 | | 2 | | | | |
| DE | | 45 mm | --- | | 1 | | | | |
| | | 90 mm | 2 | | 2 | | | | |
| DA | | 90 mm | 2 | | 3 | | | | |

dimensions in cm

▲ = Please note the minimum widths, dimension A is only valid for standard arms! (dimension A is 13 cm smaller in the case of bespoke arms.) In the case of narrow awning widths the brackets can only be fitted inside the arms, i.e. within dimension A.

M = overall awning width
A = arm position
HT = bracket
MB = range for bracket fixture
LR = Rolltex bearing with bracket is always situated under the central seam (depends on the width)
SB = standard width
ZB = intermediate width
H = extension
W = face fixture
DE/DA = top fixture and eaves fixture
HT | BHT = bracket quantity | width

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