markilux 745 / 845

The marquisolette in a cassette with guide tracks and innovative gas piston-tensioned sliding arm technology – the ideal combination: half vertical blind, half drop-arm awning and variable stand-off fixture

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

side view
markilux 745

side view
markilux 845

decorative cap assembly
for track bracket (optional)

markilux 845
retracted

markilux 745

reveal fixture
square cassette, markilux 745

markilux 845

reveal fixture
round cassette, markilux 845

Design Features

the markilux 745: compact, square and discreet, the cassette profile made of extruded aluminium is only 95 mm in height

stand-off fixture from the façade. This embellishes the building still further

for long-lasting attractiveness the blind has been powder coated

when retracted the cover is protected from the weather by the cassette, which encloses it completely

Technical Specification

robust, self-supporting cassette made of extruded aluminium

extremely sturdy, stainless steel side cheek, sheathed in plastic and powder coated

operation by means of a smooth gearbox and universal joint

to simplify fixture a broad selection of brackets is available

an automatic locking device in the guide tracks prevents the arm mechanism from lifting in windy conditions

also available as a coupled unit to span large widths

Optional Accessories

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

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

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety – even in your absence

Dimensions and configuration options

		M						M min.	
		75	100	150	200	250	300		
		75	76 — 100	101 — 150	151 — 200	201 — 250	251 — 300		
AH	120							74.5	73.5
	160								
	200								
	240								
	280								
	300								

= L2

dimensions in cm

Operation / Drive unit

	standard	optional
winding handle operation	☑	–
manual operation from the rear	–	☑
hard-wired motor	–	☑
radio-controlled motor (433 MHz)	–	☑
io radio-controlled motor	–	☑

Coupled units

	standard	optional
2 fields	–	☑

Miscellaneous

	standard	optional
light and wind sensor	–	☑

Covers

	fabric range no.	standard	optional
sunsilk snc	324 xx / 328 xx / 369 xx	☑	–
sunvas snc	310 xx / 311 xx 313 xx — 315 xx	☑	–
perfotex	332 xx	☑ 1)	–
sunsilk perla FR	374 xx	–	☑ 2)
transolair	338 xx	–	☑ 3)
vuscreen ALU	317 xx	–	☑ 4)
sunvas perla	370 xx	–	☑ 2)

1) stitched seams; in the case of the markilux 745 only up to a maximum unit height of 250 cm
2) in the case of the markilux 745 up to a maximum unit height of 250 cm; with vertical, bonded seams
3) depending on the width and unit height with horizontal, bonded seam(s)
4) in the case of the markilux 745 only seamless and up to a maximum unit height of 250 cm; depending on the width and unit height with horizontal, bonded seam(s)

M = hard-wired motor

433 = radio-controlled motor (433 MHz)

L2 = no. of brackets per track

MA = fixture width / order width
MA min. = minimum width
AH = unit height

Frame colours

		standard	optional
traffic white	RAL 9016	☐	
metallic aluminium	RAL 9006	☐	
grey brown, similar to	RAL 8019	☐	
non-standard powder-coated finish			☐

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

Dimensions and tolerances

	width	drop
housing tolerances	+ 5 / – 10	
blind cover width = blind fixture width	– 110	
blind cover length = unit height		+ 200

dimensions in mm

Additional information

The width of the blind cover is always **less** than that of the blind. Please ask us about the cover sizes of coupled units.

Standard manual operation with bayonet fitting and universal joint made of stainless steel is operated from outside the building (winding handle lengths 110, 140, 160, 180 or 220 cm).

Manual operation using a universal joint and **from the rear**: This operation type should be used in installations when the system can be approached from the rear (e.g. on balconies).

In the case of manual operation it takes approximately 24 turns per metre of overall unit height to extend the system.

In the case of **motor operation** the blind will take approx. **15 seconds per metre to extend**.

N.B! If the **motor is used continuously** it will stop automatically after 3 to 4 minutes **to prevent overheating**.

In the case of a **bank of blinds operating simultaneously**, the same speed of rotation of the motors cannot be guaranteed because of the internal tolerances of the motors.

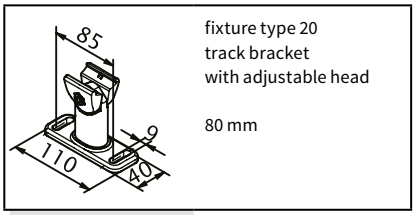
Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. This affects neither the functionality nor the durability of the awning.

In the case of asymmetrical, coupled units, the larger field may be no more than twice as large as the smaller field.

Coupled units are only available with motor (surcharge).

The maximum width of coupled units is 2 × 250 cm.

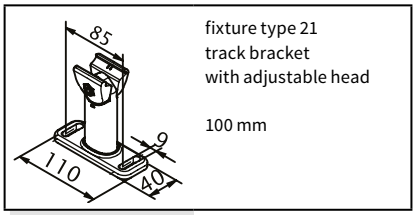
Fixtures, fittings and accessories



fixture type 20
track bracket
with adjustable head

80 mm

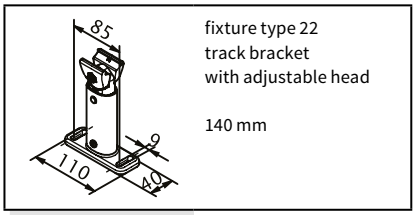
78451.



fixture type 21
track bracket
with adjustable head

100 mm

78538.



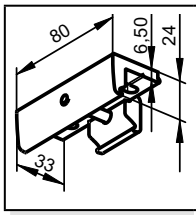
fixture type 22
track bracket
with adjustable head

140 mm

78539.

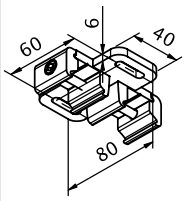
. = insert RAL colour code no.

Fixtures, fittings and accessories



fixture type 10, 15
flat track bracket
assembly

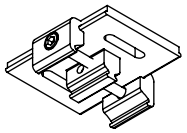
78548.



fixture type 10, 15
double flat track bracket
assembly

2 single units

78671.



fixture type 10
double flat track bracket
assembly

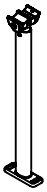
coupled unit

78660.

track bracket
assembly
with adjustable head

100—500 mm

78540.



double track bracket
assembly
with adjustable head

100—500 mm

coupled unit

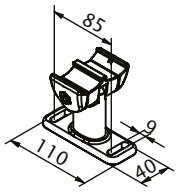
78665.

double track bracket
assembly
with adjustable head

140—500 mm

2 single units

78685.

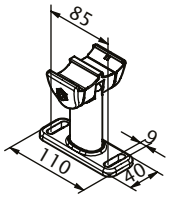


fixture type 20
double track bracket
assembly
with adjustable head

80 mm

coupled unit

78454.

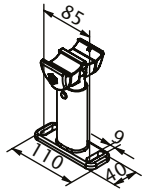


fixture type 21
double track bracket
assembly
with adjustable head

100 mm

coupled unit

78663.

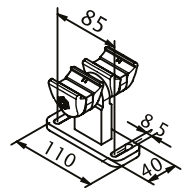


fixture type 22
double track bracket
assembly
with adjustable head

140 mm

coupled unit

78664.

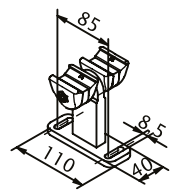


fixture type 20
double track bracket
assembly
with adjustable head

80 mm

2 single units

78654.

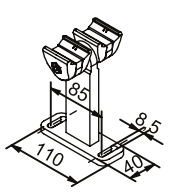


fixture type 21
double track bracket
assembly
with adjustable head

100 mm

2 single units

78658.

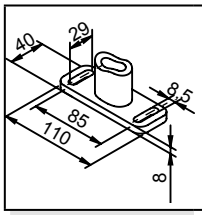


fixture type 22
double track bracket
assembly
with adjustable head

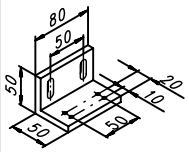
140 mm

2 single units

78683.

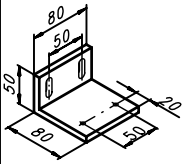


footprint dimensions
of adjustable
track bracket



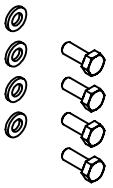
fixture type 15
additional bracket
bearing/motor side
50 × 50 × 80 mm
(fixture between beams,
walls etc.)
please order additional
accessories 787211!

78719.



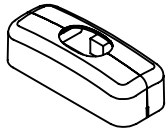
fixture type 15
additional angled bracket
gearbox side
80 × 50 × 80 mm
(fixture between beams,
walls etc.)
please order additional
accessories 787211!

78720.



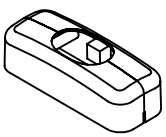
fixture type 15
accessories for
two angled brackets
78719. or 78720.

787211



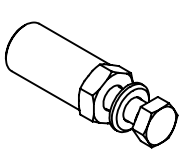
decorative cap assembly
for track bracket
to be used with:
78081., 78086., 78094.,
78247., 78451., 78538.,
78543., 78454., 78663.

76603.



decorative cap assembly
for track bracket
to be used with:
78082., 78087., 78095.,
78105., 78107., 78108.,
78251., 78539., 78540.,
78545., 78665., 78664.,
78685.

76604.



reducing bolt assembly
M 10 → M 6 / SW 13

30 mm

refer to the section
“Technical Information”

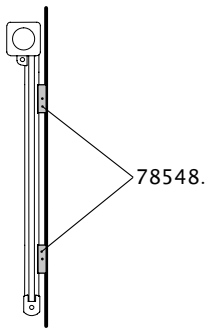
753211

. = insert RAL colour code no.

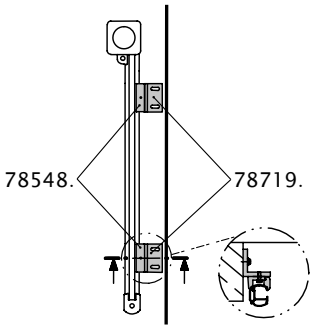
Fixture combinations / Fixture types

All brackets incur a surcharge

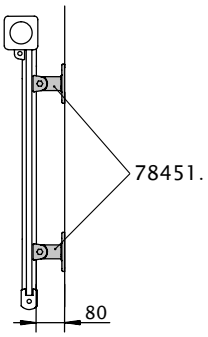
Fixture type
10



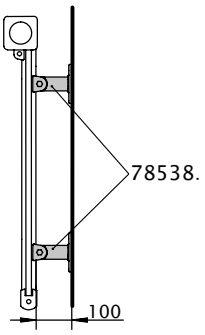
Fixture type
15



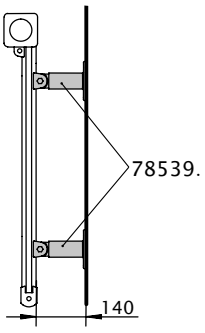
Fixture type
20



Fixture type
21

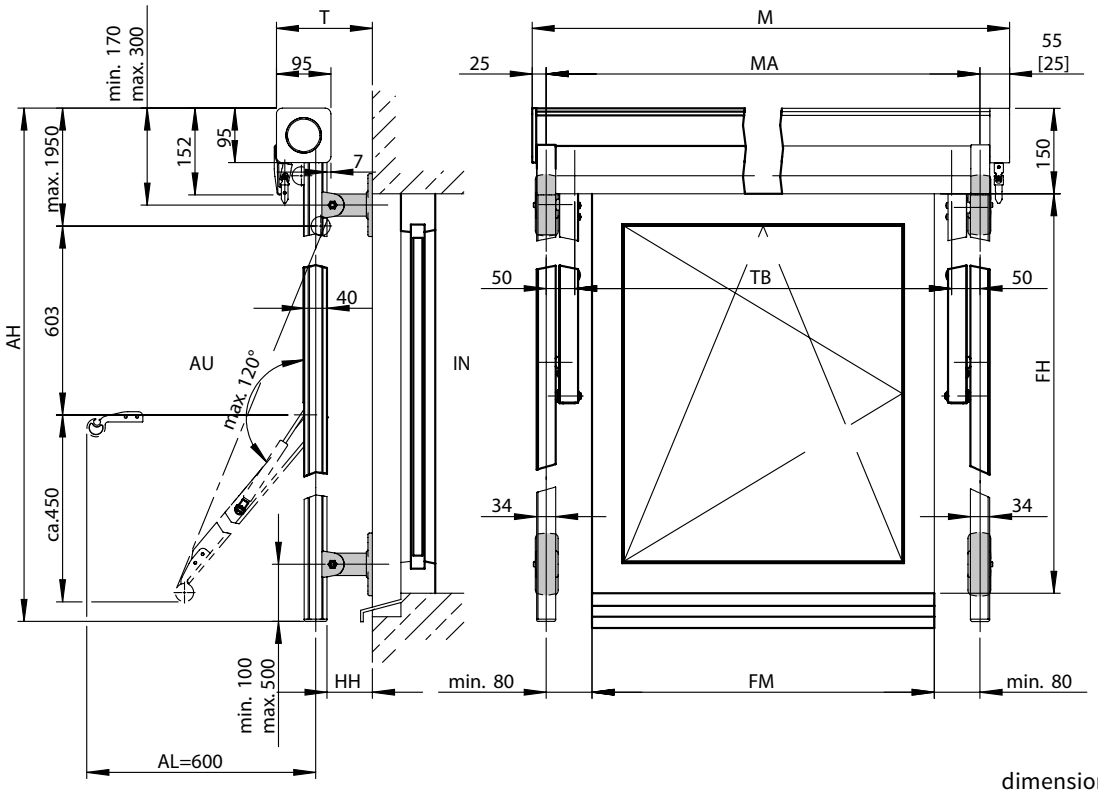


Fixture type
22



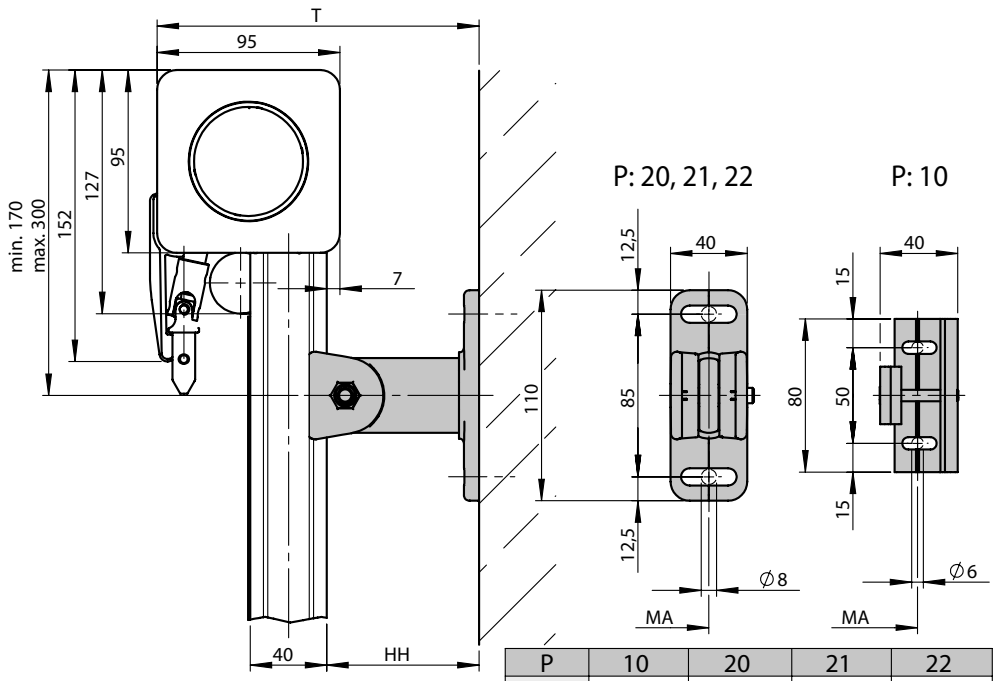
Individual bracket combinations – see "Fixtures, fittings and accessories". Please note the minimum quantity required for the width and unit height you intend to order!

Dimension overviews markilux 745



dimensions in mm

Face fixture



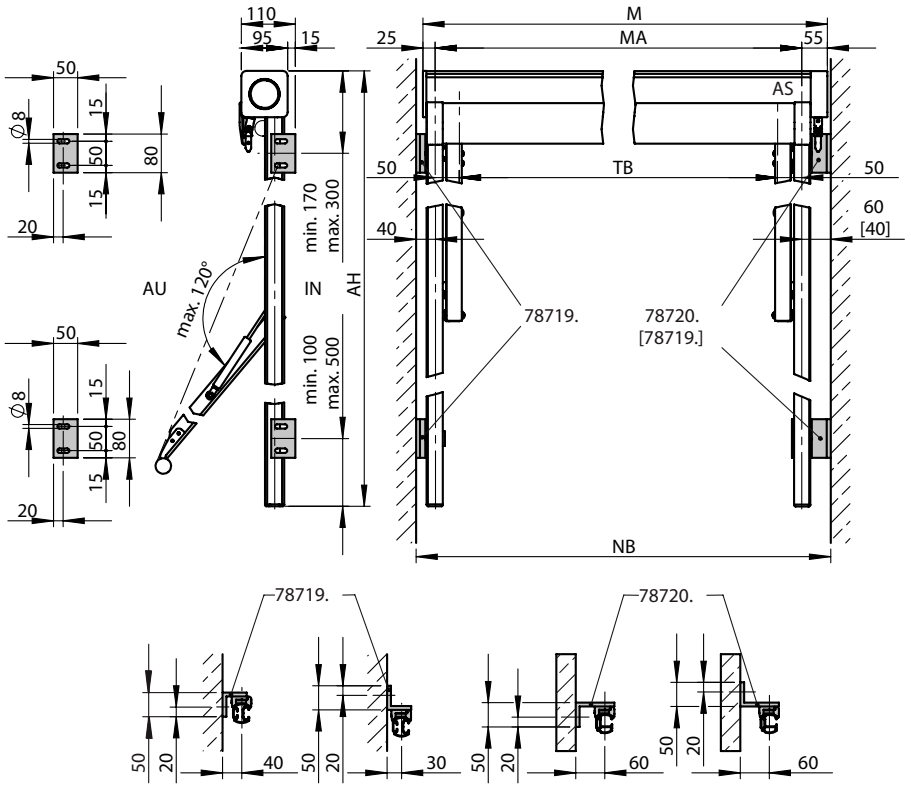
P	10	20	21	22
HT	78548.	78451.	78538.	78539.
HH	15 mm	80 mm	100 mm	140 mm
T	120 mm	185 mm	205 mm	245 mm

dimensions in mm

AH = unit height
T = depth
AU = exterior
IN = interior
AL = arm length
HH = fixture bracket height
M = overall blind width
MA = blind fixture width = blind width between fixture points
TB = cover width
FM = façade width
FH = façade height
[…] = dimensions in the case of motor operation
P = fixture type

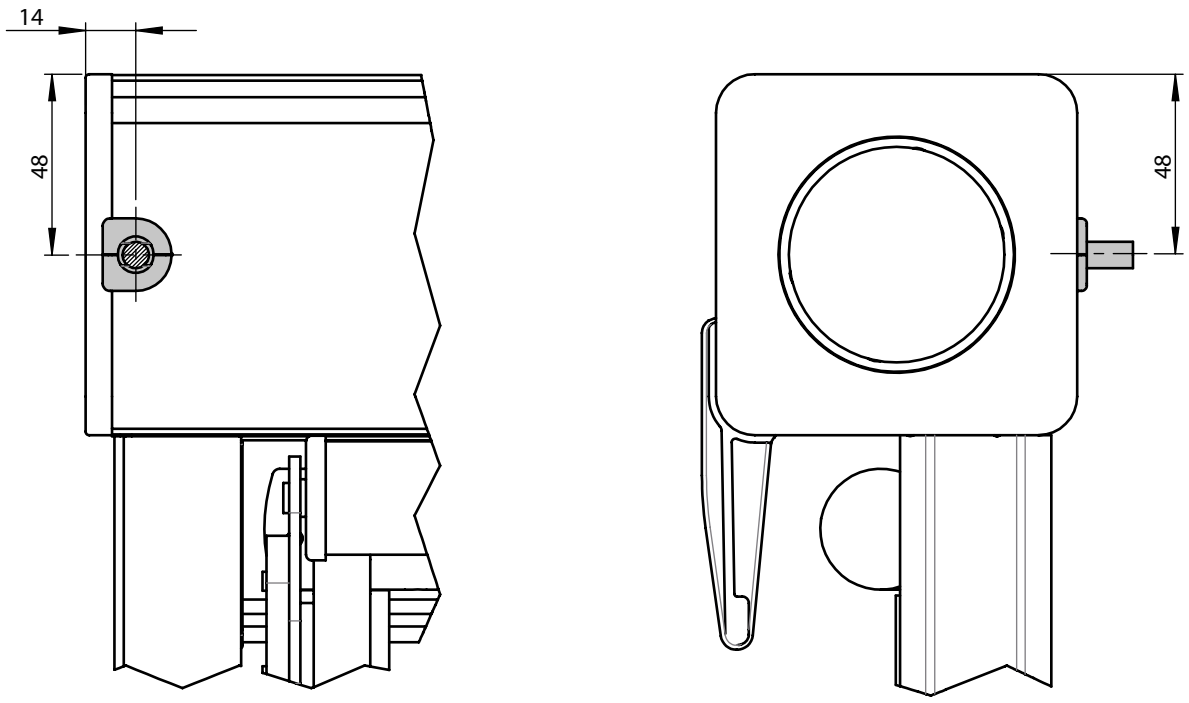
Dimension overviews markilux 745

Reveal fixture in the case of gearbox / motor operation (fixture type 15)



dimensions in mm

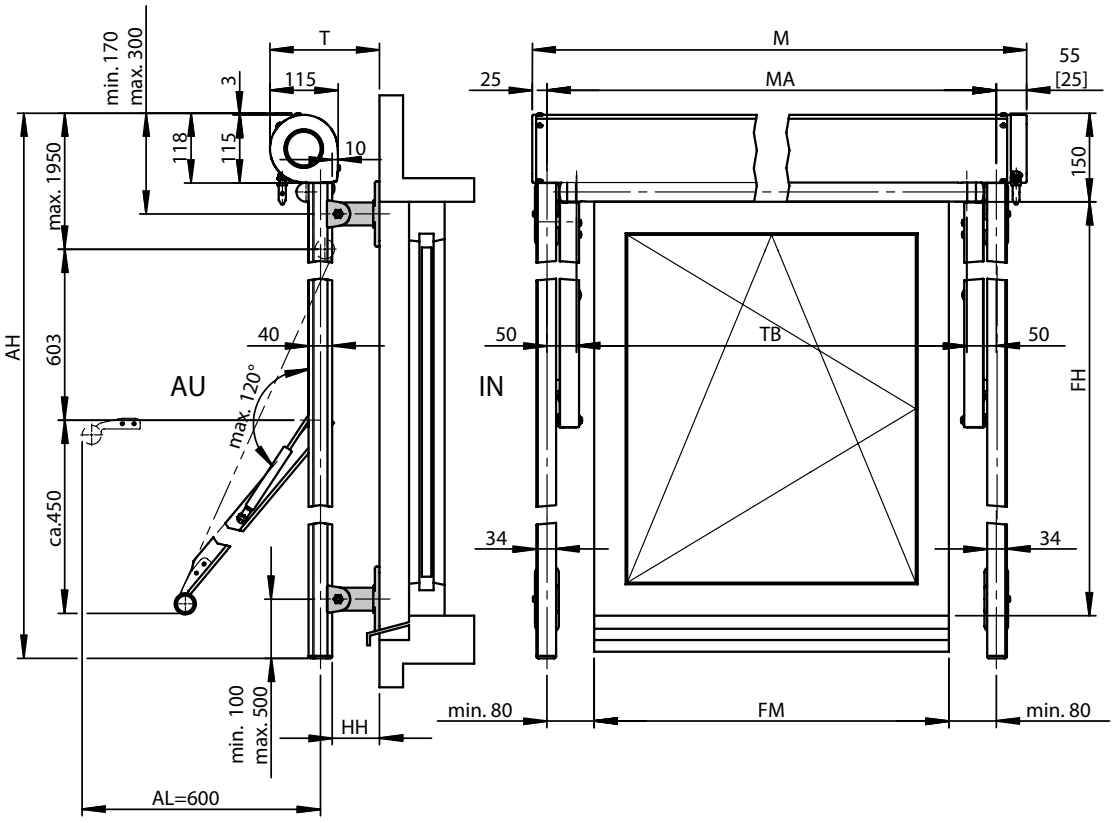
Cable exit point in the case of motor-driven units



dimensions in mm

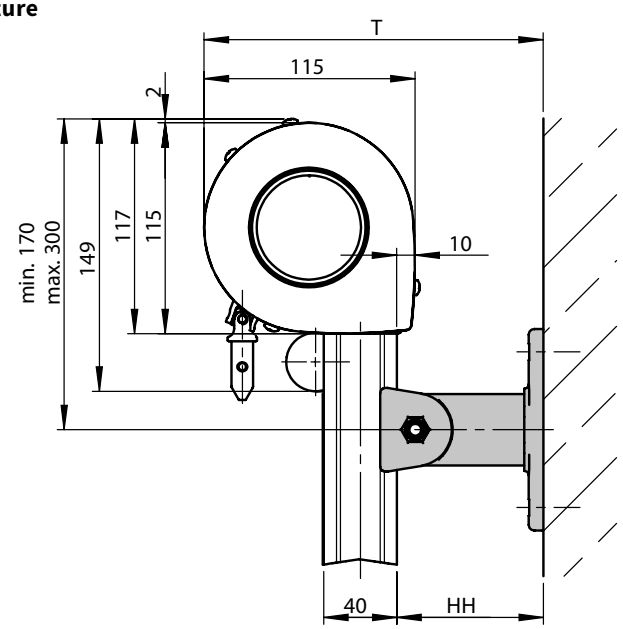
AH = unit height
AU = exterior
IN = interior
AS = operation side
M = overall blind width
MA = blind fixture width = blind width between fixture points
TB = cover width
NB = reveal width
HT = bracket
[…] = dimensions in the case of motor operation
78719. = additional angled bracket bearing / motor side
78720. = additional angled bracket gearbox side

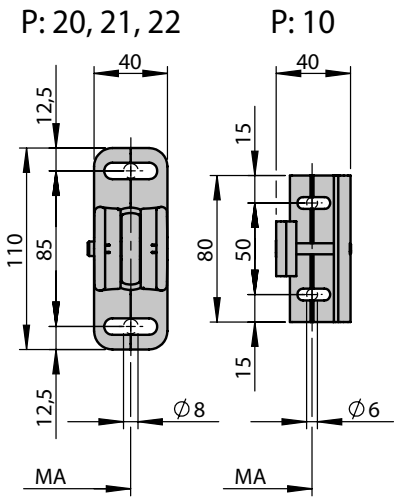
Dimension overviews markilux 845



dimensions in mm

Face fixture





P	10	20	21	22
HT	78548.	78451.	78538.	78539.
HH	15 mm	80 mm	100 mm	140 mm
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dimensions in mm

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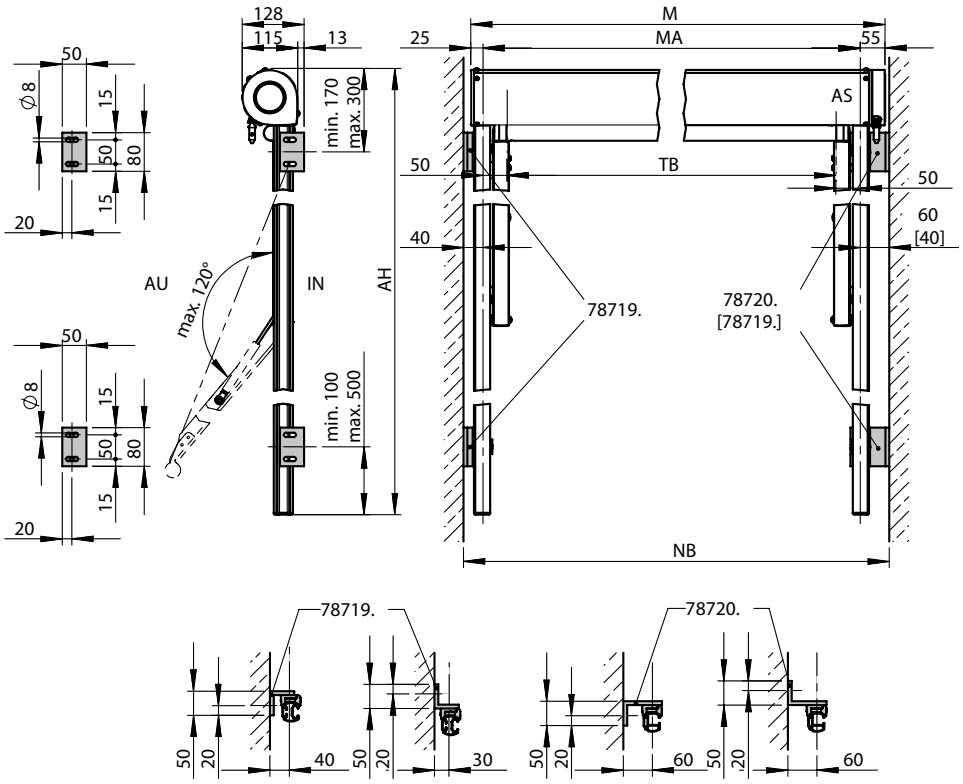
FM = façade width
FH = façade height
[…] = dimensions in the case of motor operation
P = fixture type

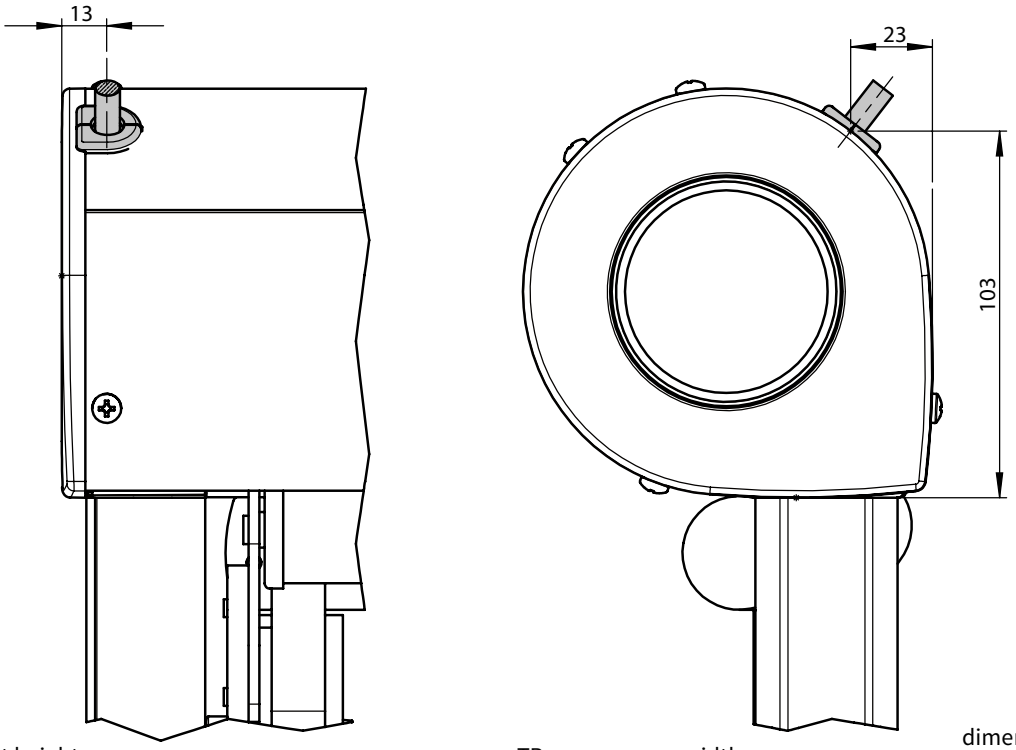
Dimension overviews markilux 845

Reveal fixture in the case of gearbox / motor operation (fixture type 15)



dimensions in mm

Cable exit point in the case of motor-driven units

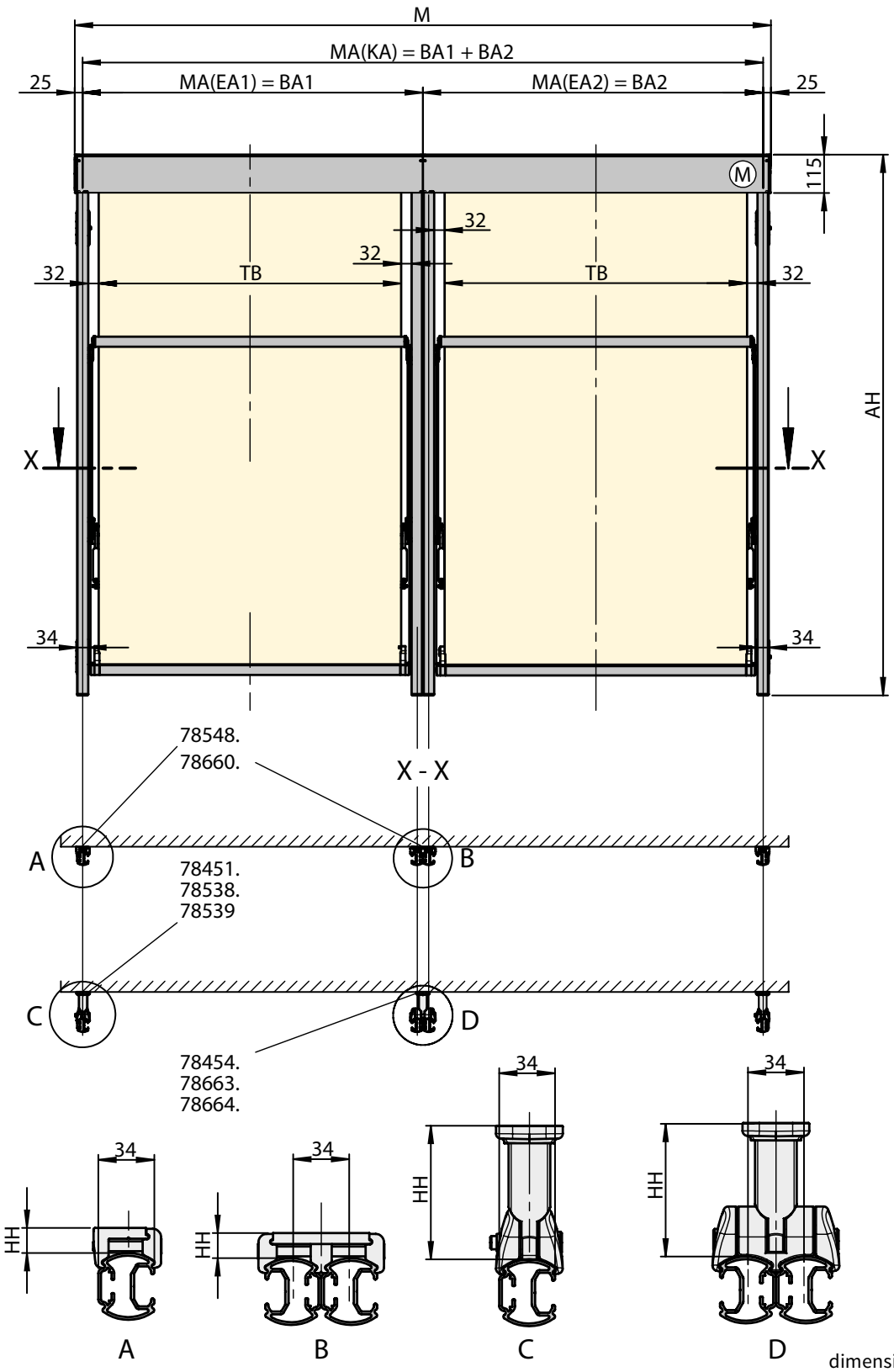


dimensions in mm

AH = unit height
AU = exterior
IN = interior
AS = operation side
M = overall blind width
MA = blind fixture width = blind width between fixture points
TB = cover width
NB = reveal width
HT = bracket
[…] = dimensions in the case of motor operation
78719. = additional angled bracket bearing / motor side
78720. = additional angled bracket gearbox side

Dimension overviews markilux 845

Coupled unit 2 fields, 1 motor



dimensions in mm

MA (EA1) = BA1 = blind fixture width, unit 1 = order width, unit 1
MA (EA2) = BA2 = blind fixture width, unit 2 = order width, unit 2
MA (KA) = BA1 + BA2 = blind fixture width, coupled unit = order width, coupled unit
M = overall blind width
MA = blind fixture width
EA = single unit

KA = coupled unit
BA = order dimension
TB = cover width
M = motor operation