



M9400

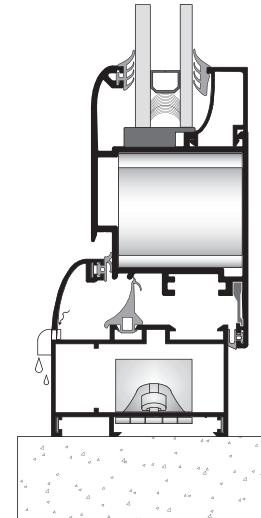
SOFT LINE

Hinged Systems

M 9400 SOFTLINE PLUS
Product lines for “tilt-and-turn” frame, with a
wide variety of supported typologies.

Basic characteristics:

- √ 45 mm basic sash width.
- √ “ALUSEAL” impermeability and water-tightness system.
- √ Large design variety, offering many aesthetic alternatives for both internal and external frame surfaces.
- √ Specially-designed profiles for wood-alike frame construction.
- √ Variety of profiles, supporting all “tilt-and-turn” typologies.

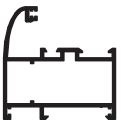
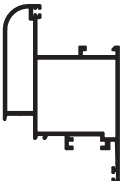
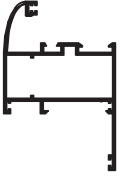
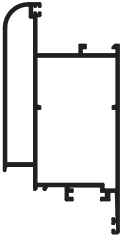
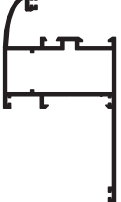

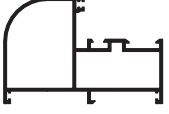
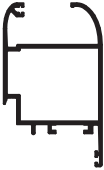
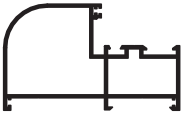
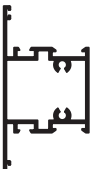
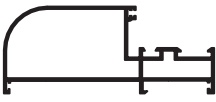
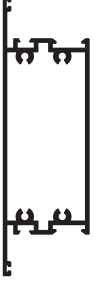
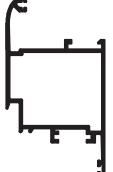


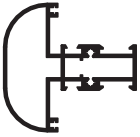

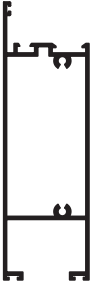




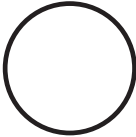




TECHNICAL SPECIFICATION OF PROFILES	
Aluminum alloy	AlMgSi (EN AW 6063)
Hardness	12 Webster or 70 HB minimum
Minimum Powder Coating Thickness	75µm minimum
Profile thickness (min-max)	1,8 – 5,0 mm
Profile Geometry Control	EN DIN 12020-2 Compliant

TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES	
Width for basic frame / sash	45 / 52 mm
Glazing types	Single or double, from 10 up to 32 mm
Maximum glazing weight	75 kg using a plain hinge 130 kg using heavy-load hinges
Sealing	“ALUSEAL” system, with EPDM gaskets applied in 3 levels. Class C (DIN 18055)

Certifications:

- √ The design, the production process, and the quality control of all profiles produced by Alumil are certified with ISO 9001.
- √ The process of electrostatic powder coating is certified by QUALICOAT and RAL (GSB) in all plants operated by Alumil.
- √ M9400 SOFTLINE PLUS is certified by the globally- acknowledged German institute IFT ROSENHEIM, achieving Gruppe C (DIN 18055) impermeability classification.

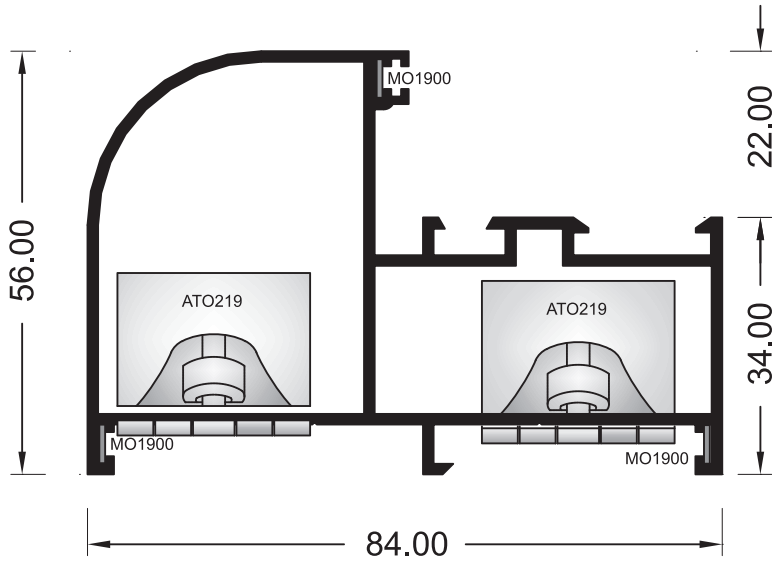
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	M 9518 900	59,00 59,30		M 9562 1486	61,00 93,90
	M 9599 1138	59,00 89,30		M 9589 1733	61,00 122,00
	M 9519 1180	59,00 109,30		M 9517 1267	52,00 98,47
	M 9444 1315	84,00 56,00		M 9479 1278	52,00 86,40
	M 9423 1355	93,00 56,00		M 9308 1165	45,00 89,00
	M 9433 1418	111,35 46,00		M 9333 1791	45,00 147,00
	M 9574 1199	52,00 93,90			

PROFILE	No/Profile No Weight (gr/m)	X mm Y mm	PROFILE	No/Profile No Weight (gr/m)	X mm Y mm
	M 9421 1365	70,00 67,80		M 9112 251	19,35 26,60
	M 9507 1782	45,00 147,00		M 6000 523	59,60 50,00
	M 9544 994	53,75 61,00		M 9416 411	48,30 50,00
	M 9311 304	18,95 26,60		T 35 872	70,00 70,00
	M 9312 266	19,35 26,50		M 9427 428	59,00 26,60
	M 9508 272	18,95 26,50		M 9358 800	10,00 124,50

M 9444

FRAME

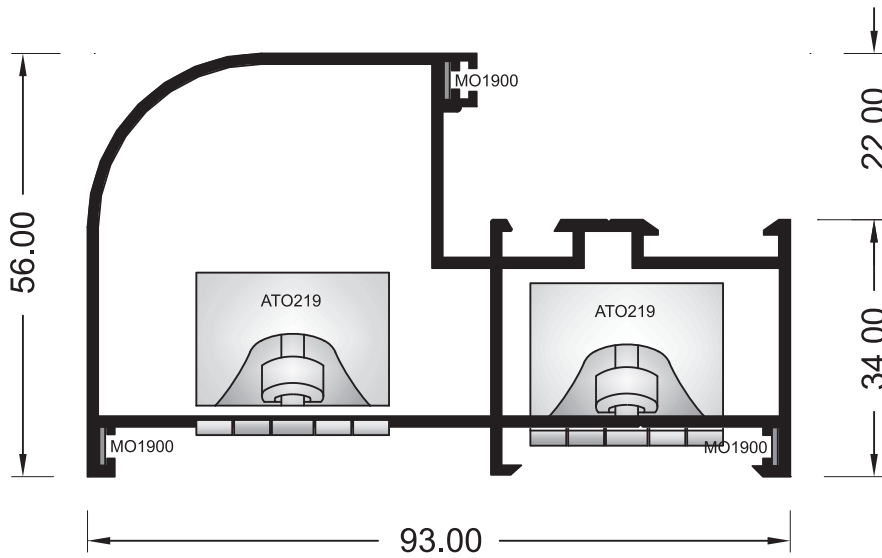
W = 1315 gr/m



M 9423

FRAME

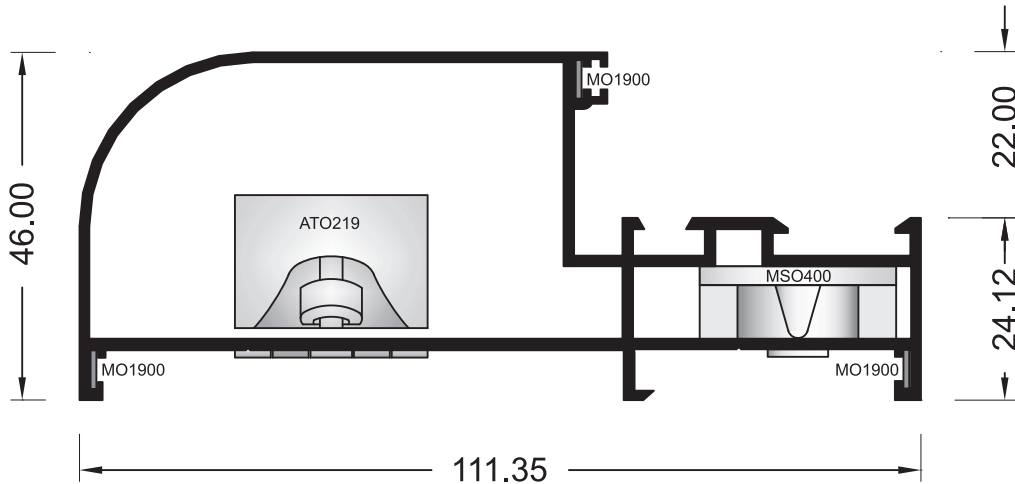
W = 1355 gr/m



M 9433

FRAME

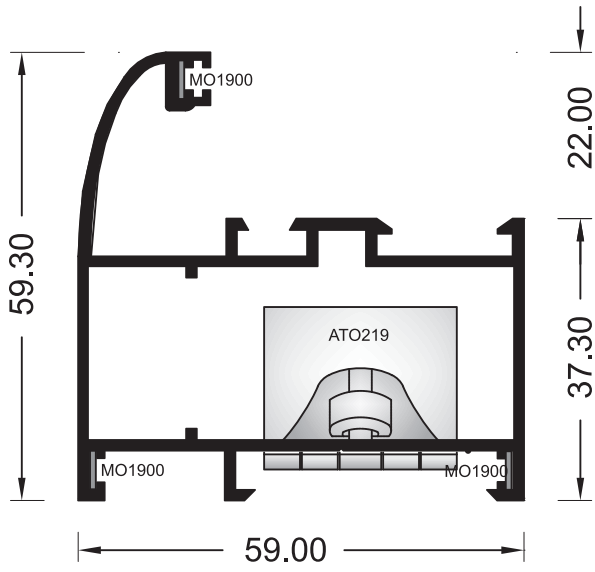
W = 1418 gr/m



M 9518

W = 900 gr/m

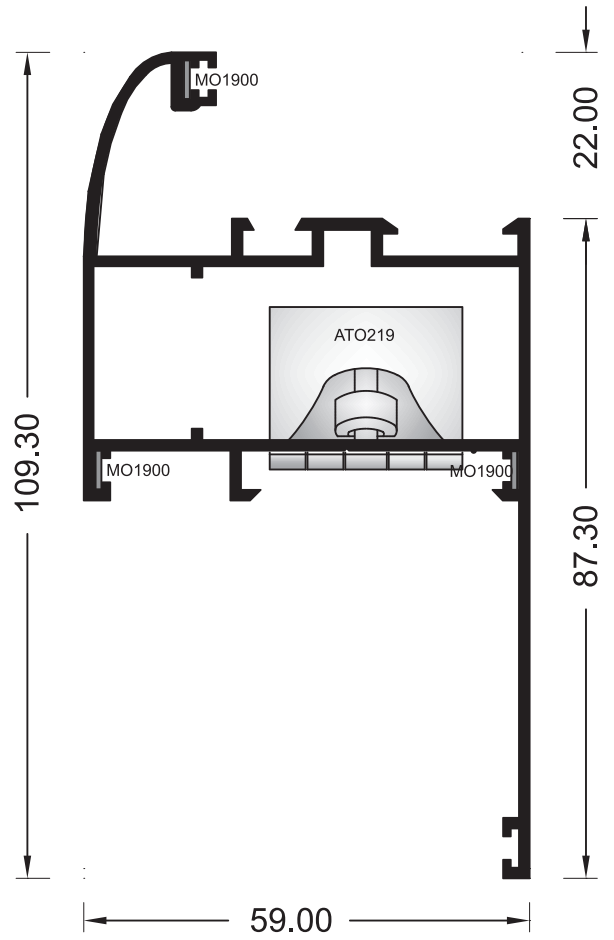
FRAME



M 9519

W = 1180 gr/m

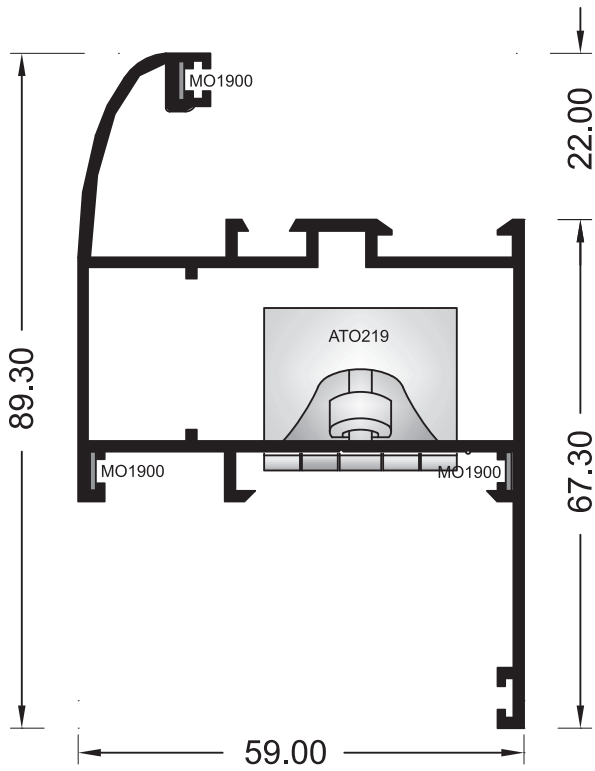
FRAME



M 9599

W = 1138 gr/m

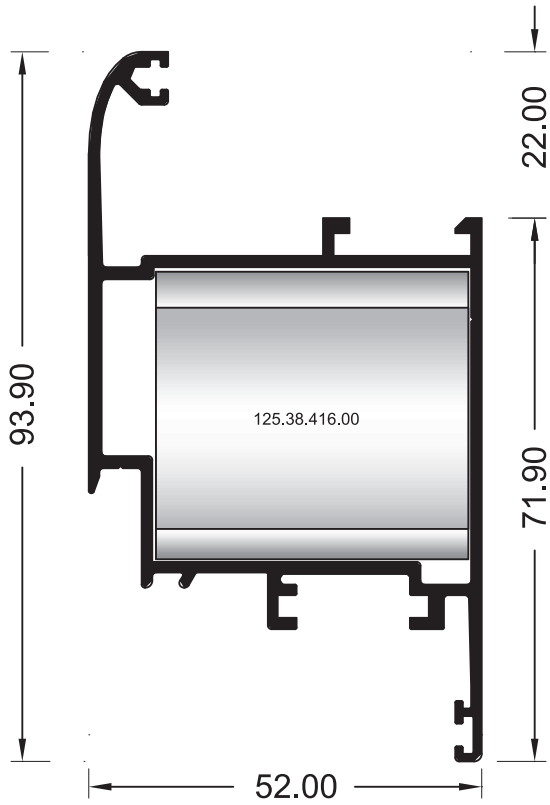
FRAME



M 9574

W = 1199 gr/m

SASH

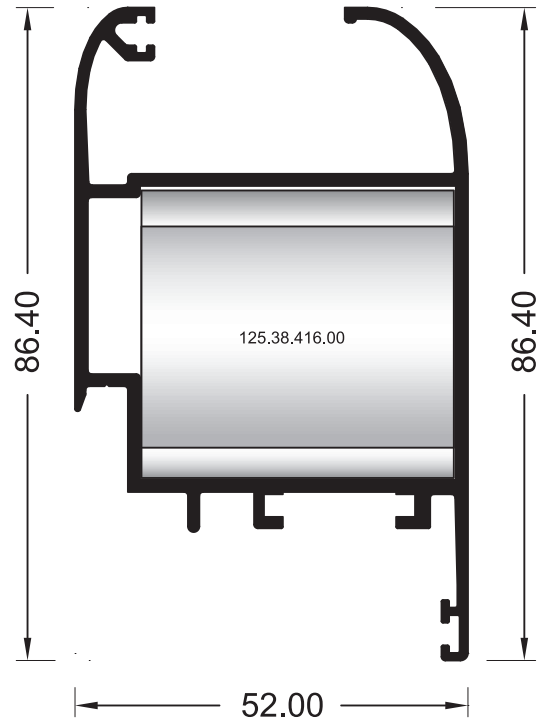


M 9479

W = 1278 gr/m

SASH

WITH BUILT IN GLAZING BEAD

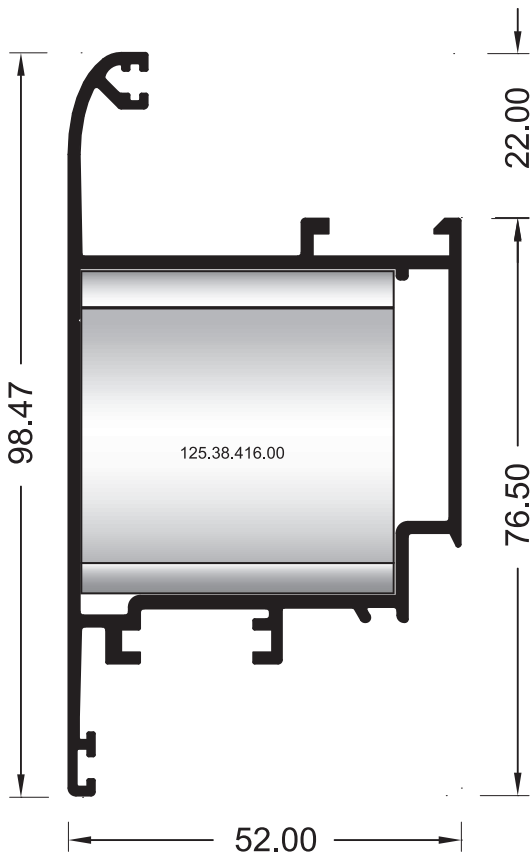


M 9517

W = 1267 gr/m

SASH

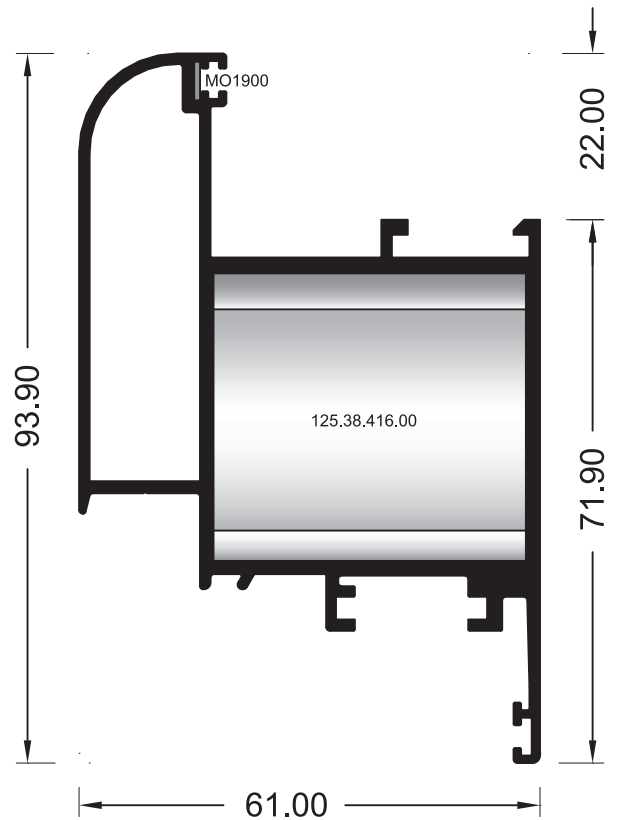
OPEN OUTSIDE



M 9562

W = 1486 gr/m

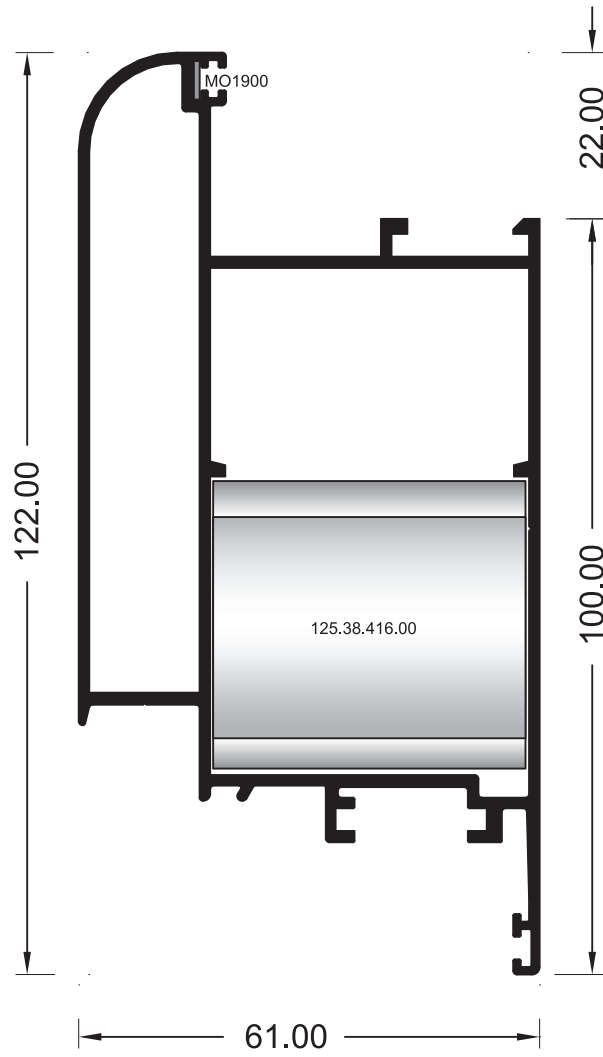
SASH



M 9589

W = 1733 gr/m

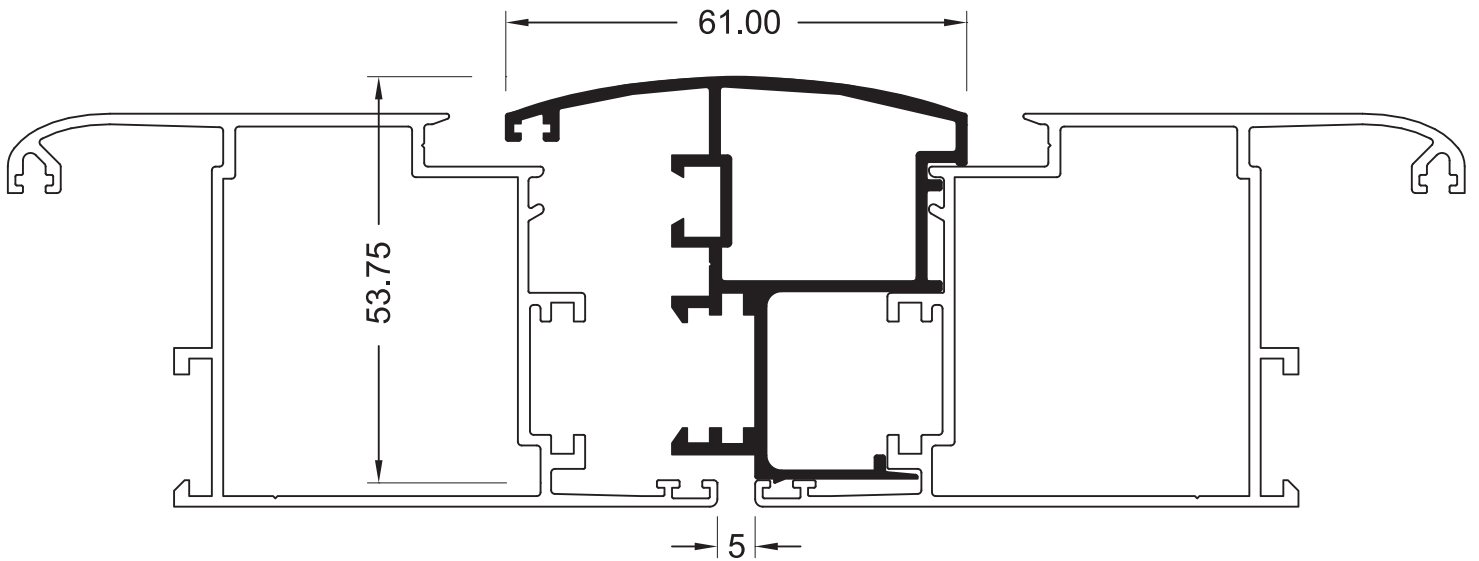
SASH



M 9544

W = 994 gr/m

ADJOINING PROFILE
ROUND

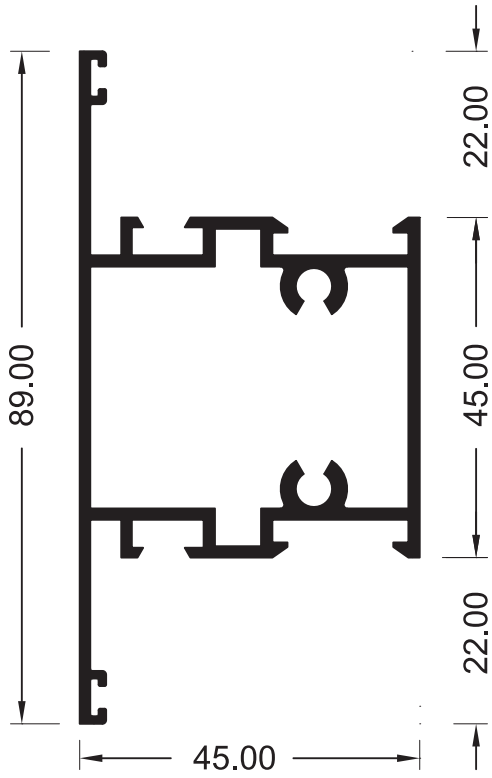


M 9308

W = 1165 gr/m

TRANSOM

SMALL

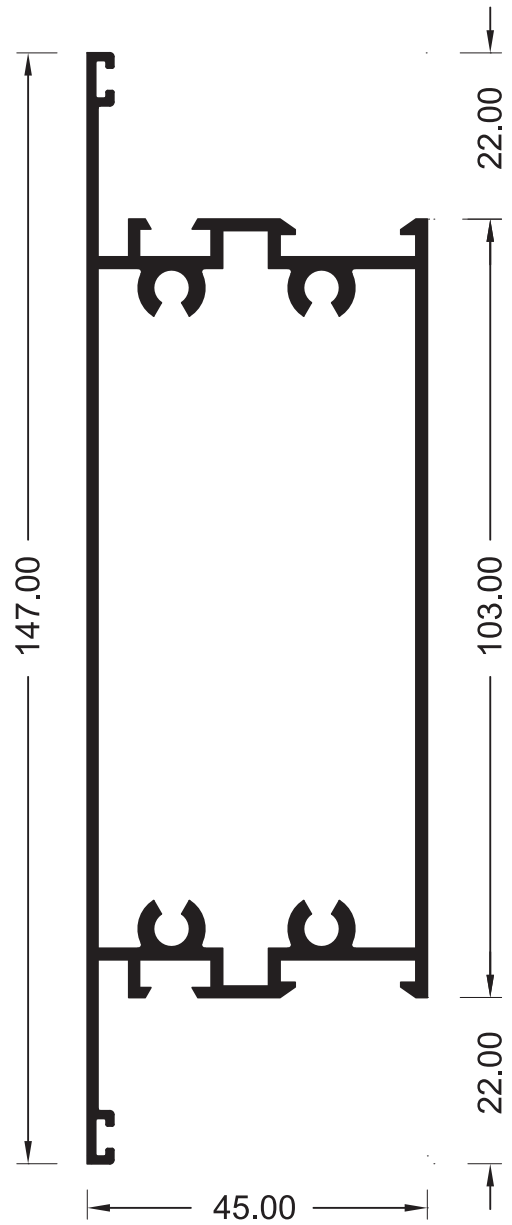


M 9333

W = 1791 gr/m

TRANSOM

BIG

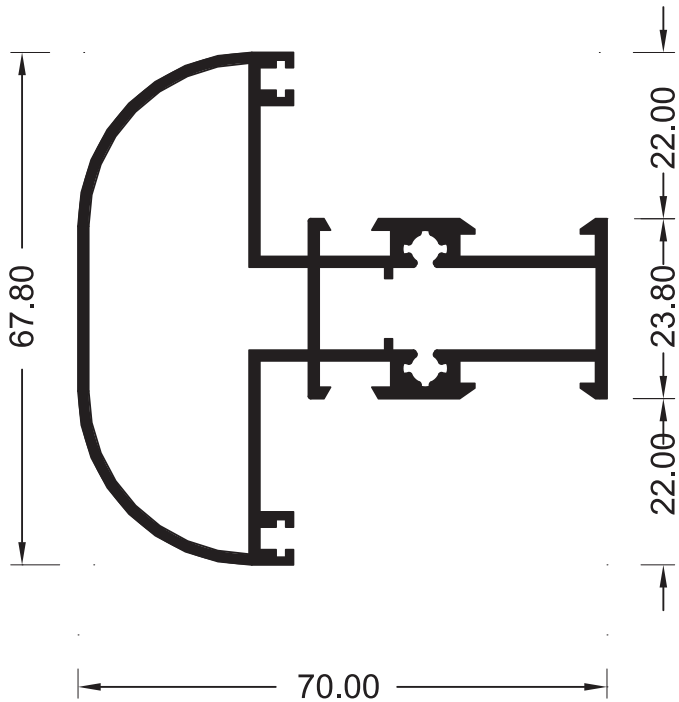


M 9421

W = 1365 gr/m

TRANSOM

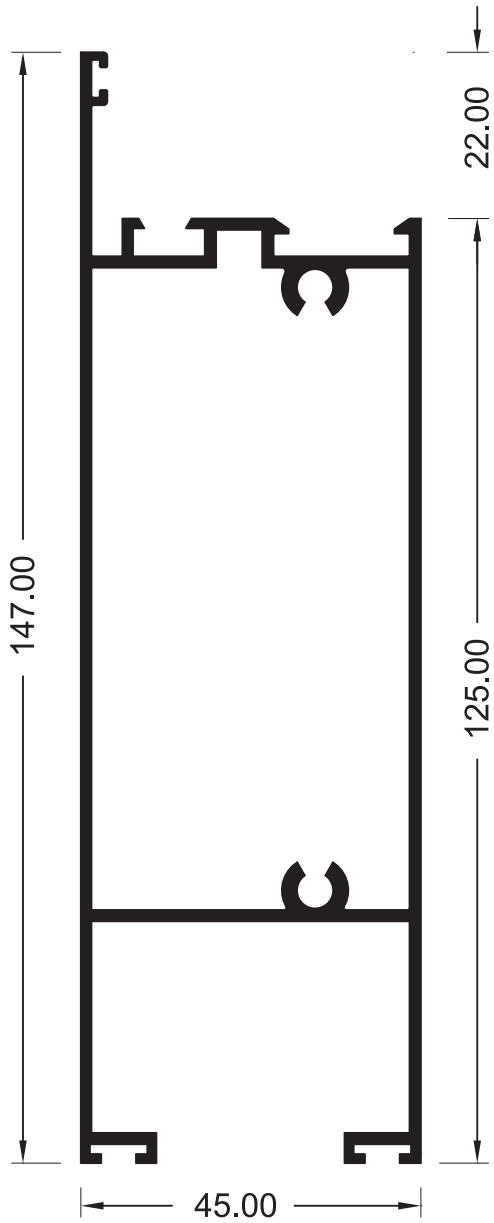
ROUND



M 9507

W = 1782 gr/m

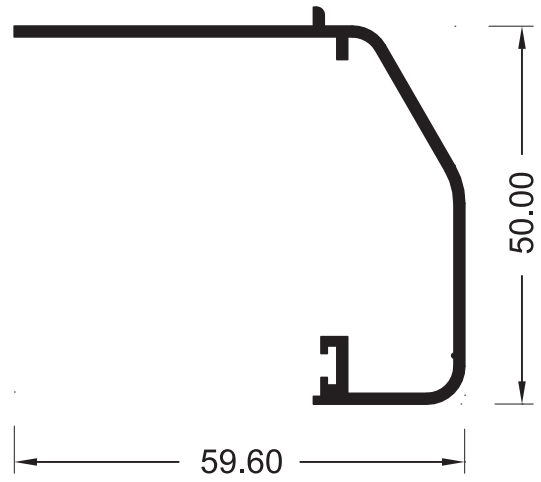
SASH SILL



M 6000

W = 523 gr/m

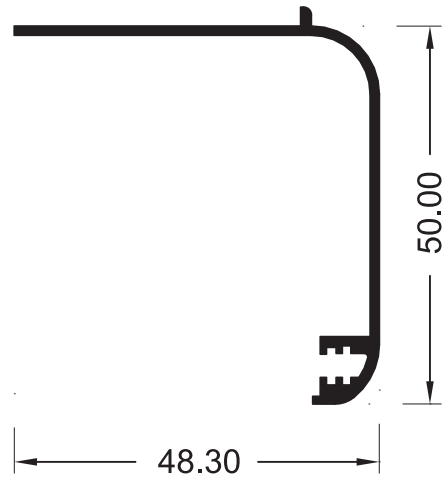
ARCHITRAVE



M 9416

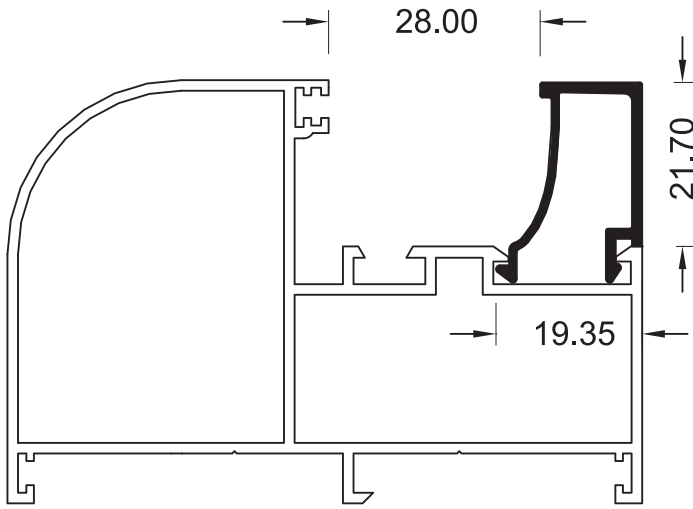
W = 411 gr/m

ARCHITRAVE



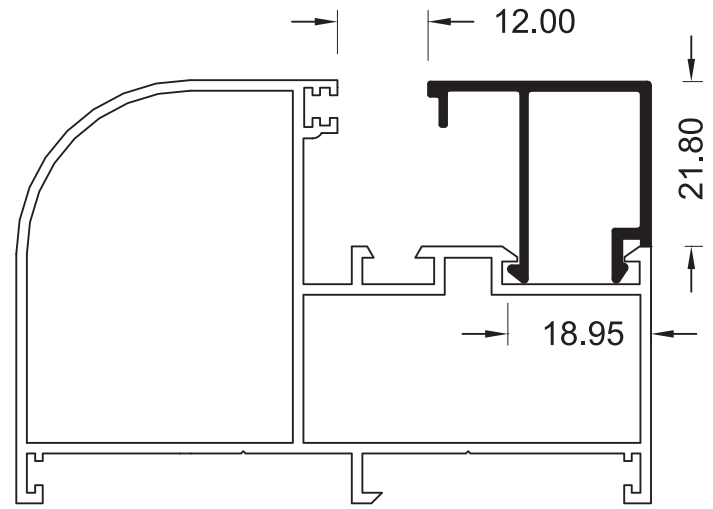
M 9312
W = 266 gr/m

**GLAZING BEAD
FOR DOUBLE GLAZING**



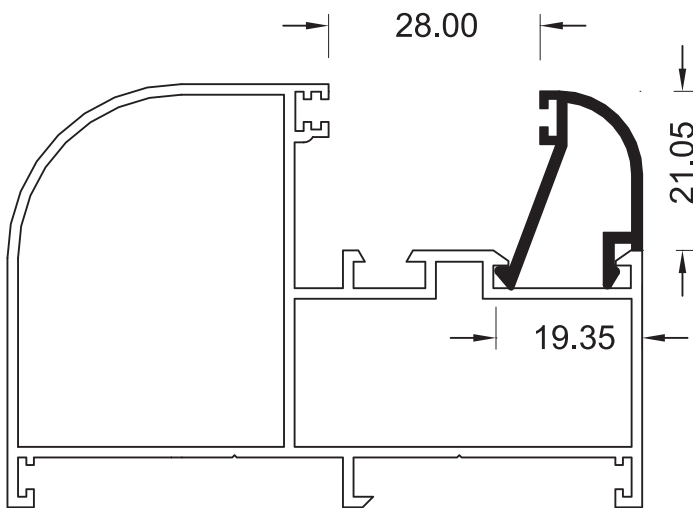
M 9311
W = 304 gr/m

**GLAZING BEAD
FOR SINGLE GLAZING**



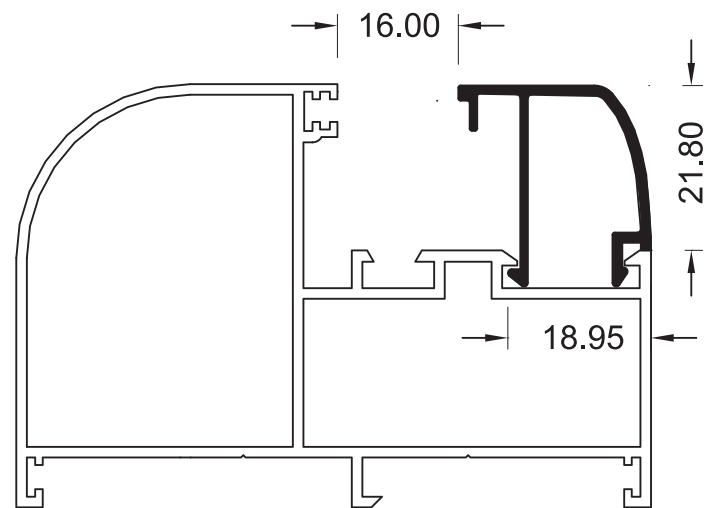
M 9112
W = 251 gr/m

**GLAZING BEAD
FOR DOUBLE GLAZING
ROUND**



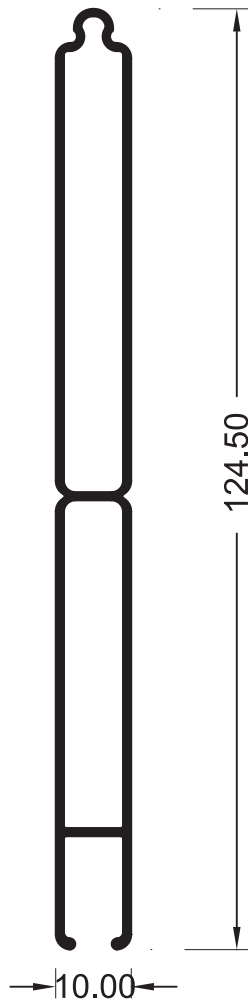
M 9508
W = 272 gr/m

**GLAZING BEAD
FOR SINGLE GLAZING
ROUND**



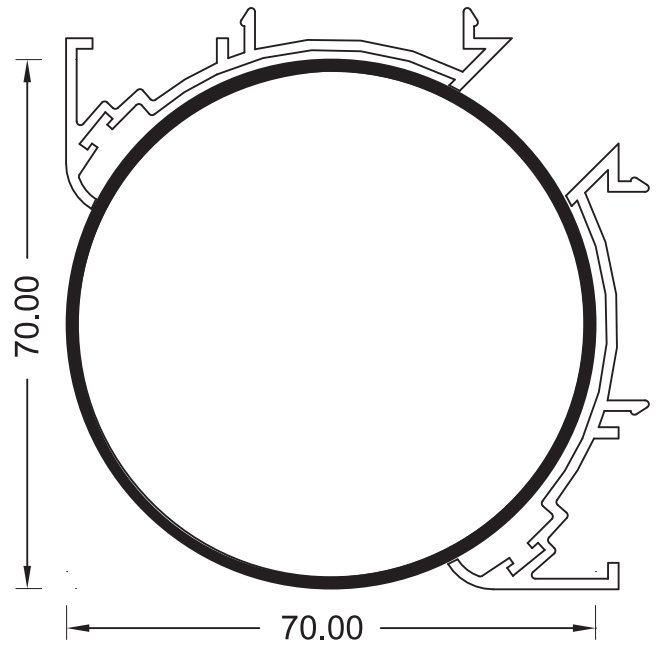
M 9358
W = 800 gr/m

FILLER PROFILE



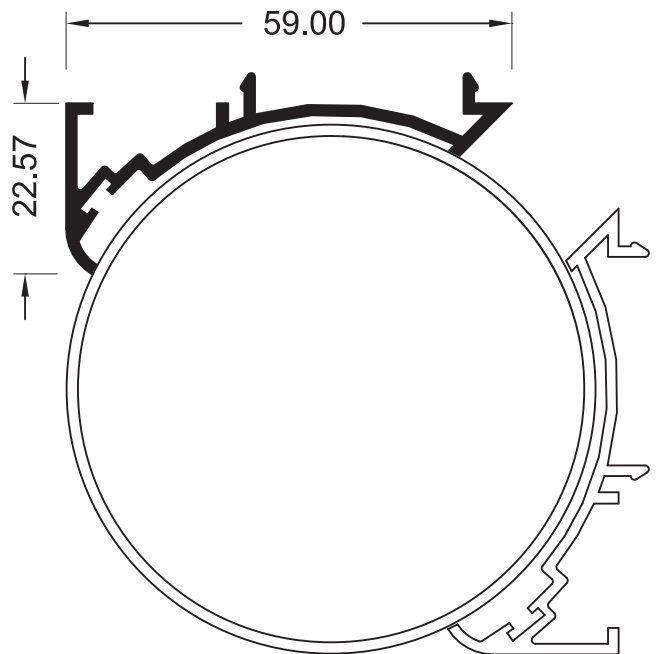
T 35
W = 872 gr/m

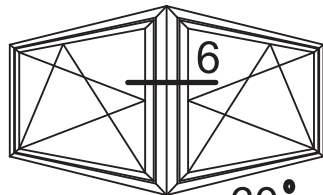
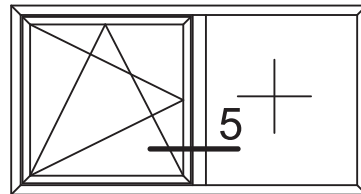
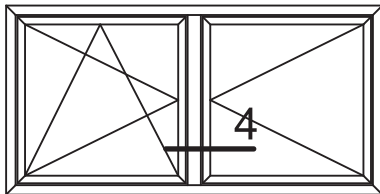
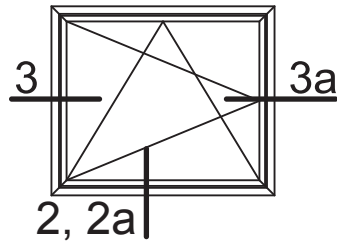
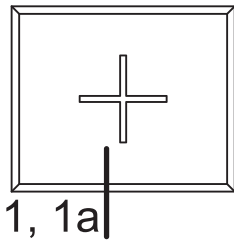
TUBE



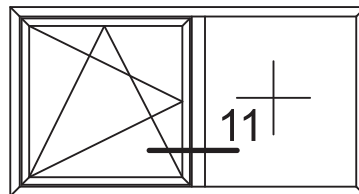
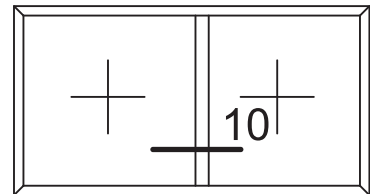
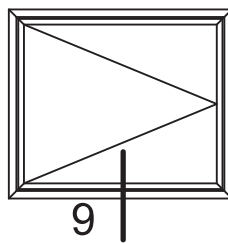
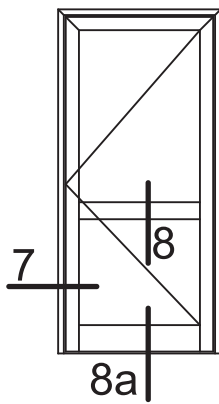
M 9427
W = 428 gr/m

COMPATIBLE WITH T 35

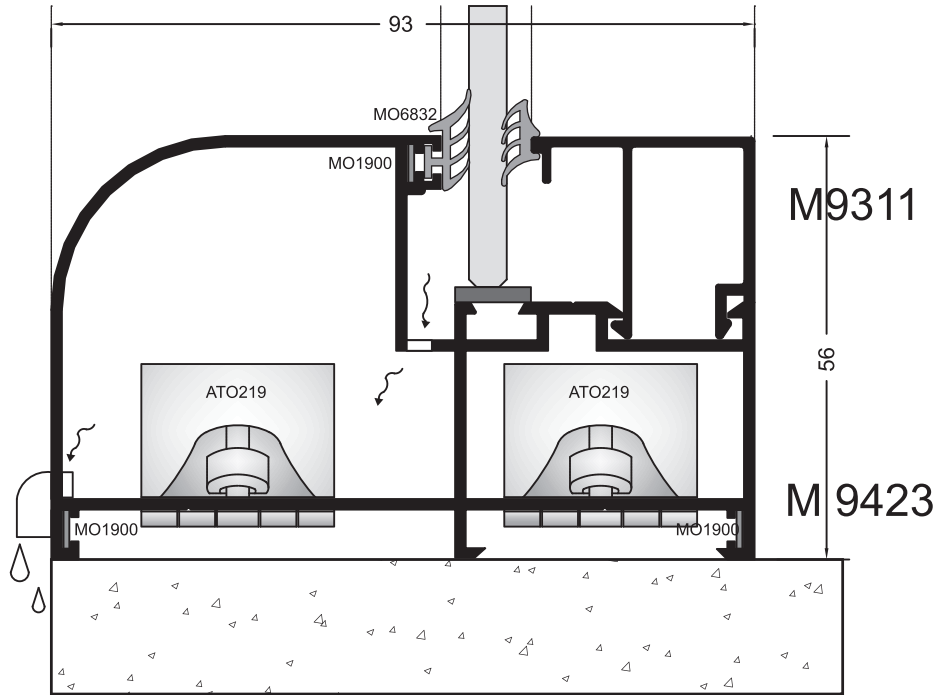
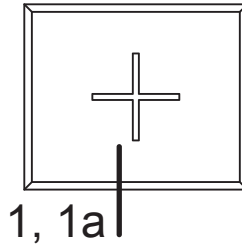




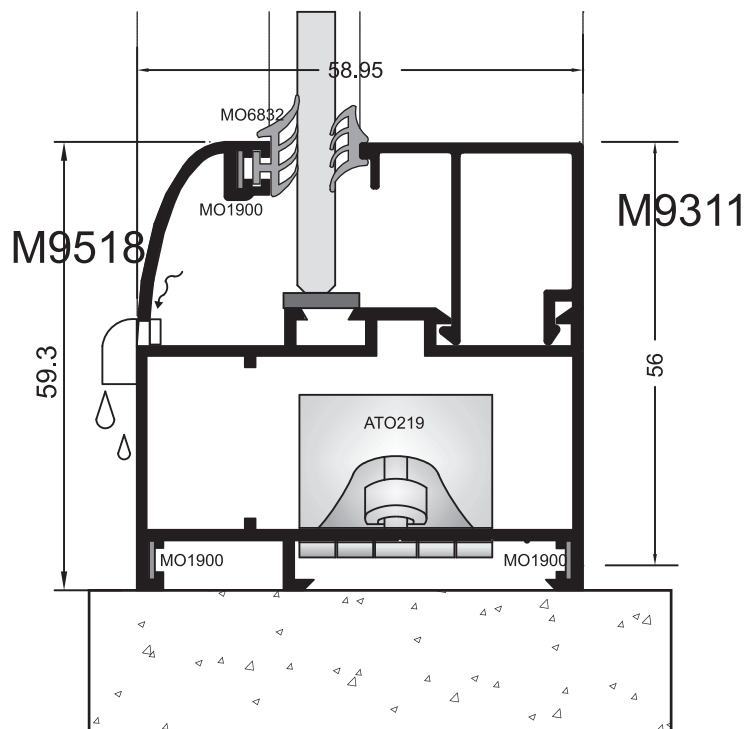
60° - 180°

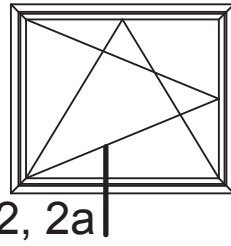


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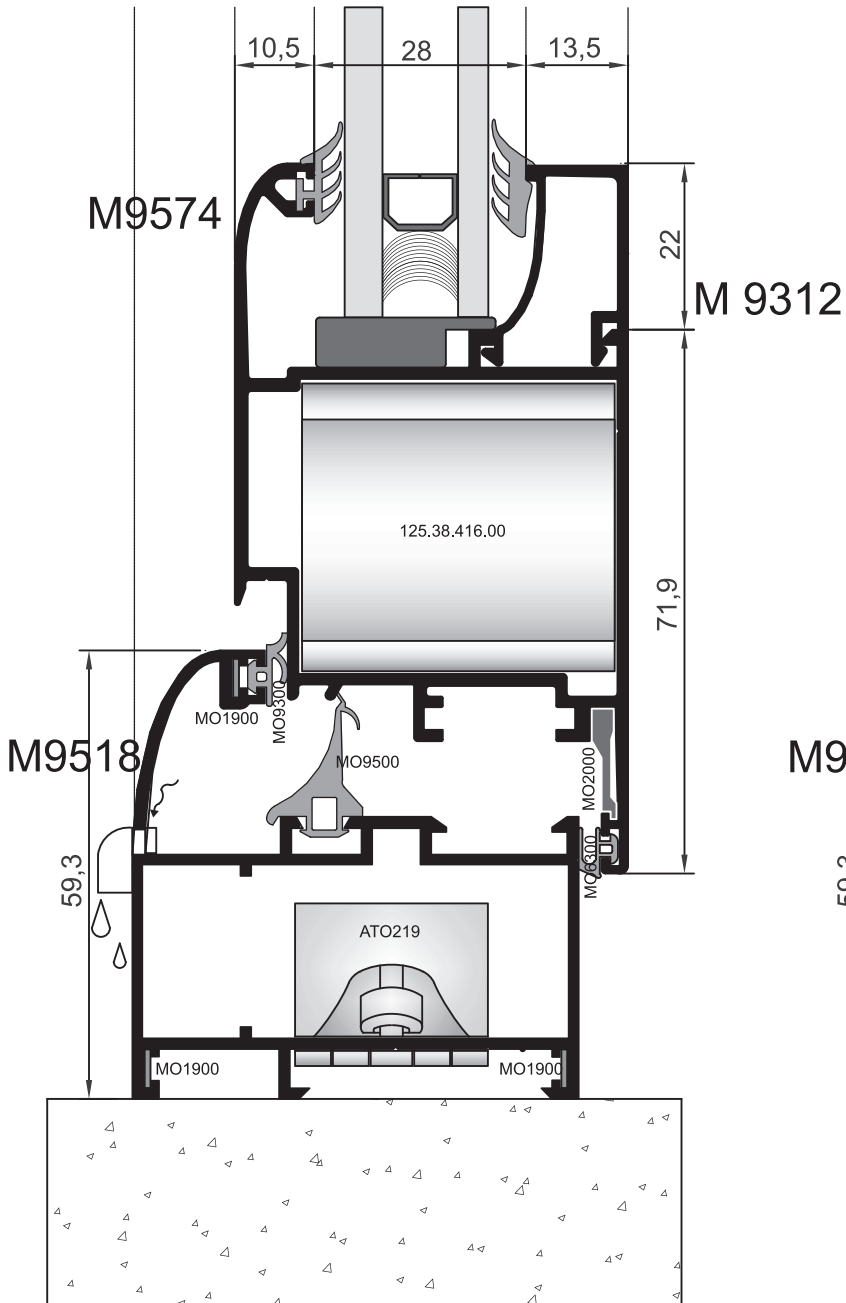


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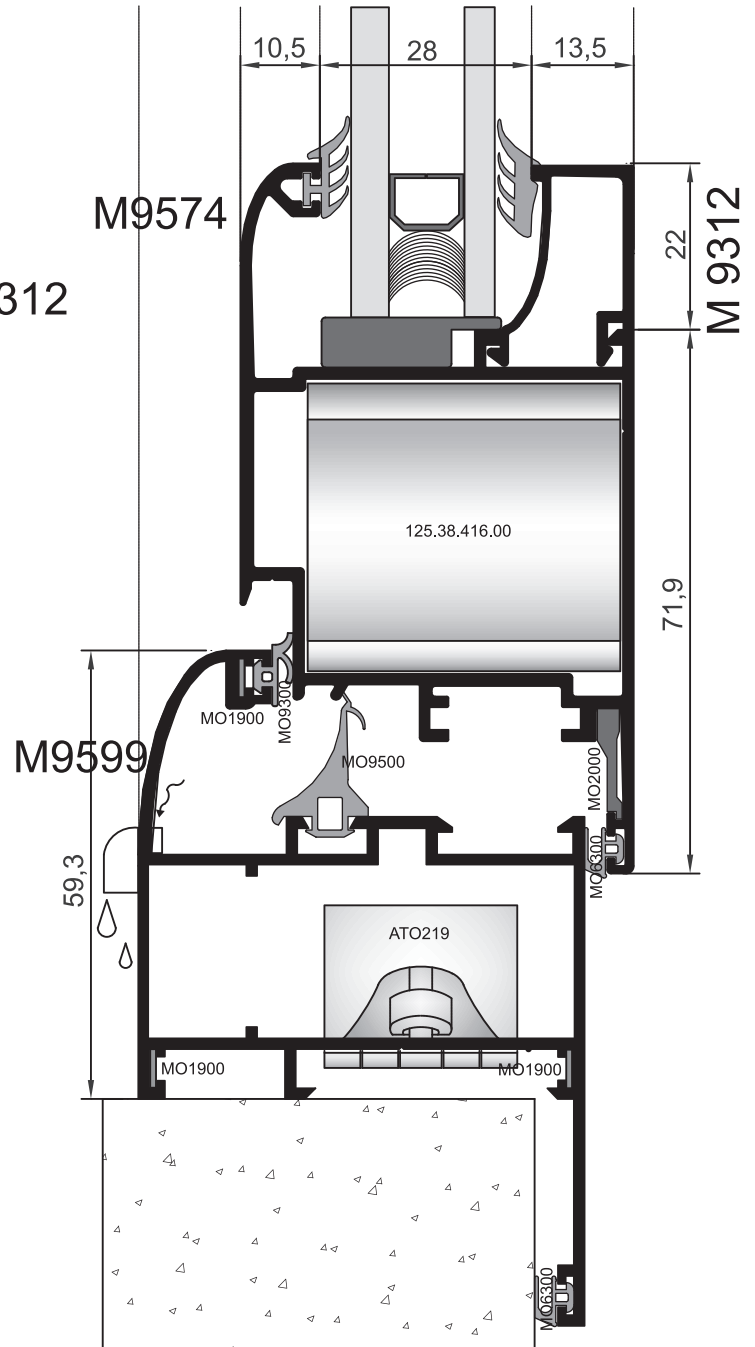




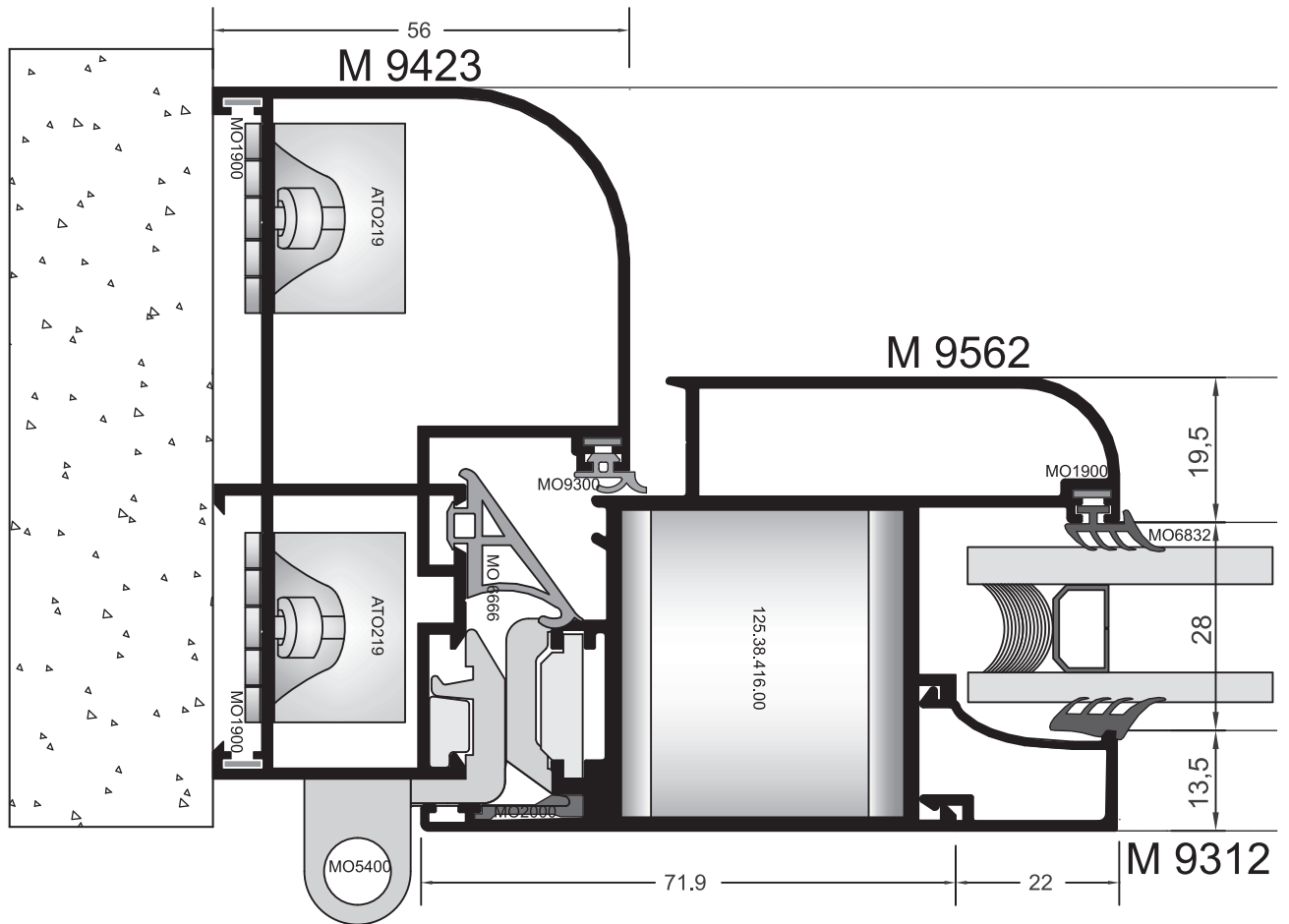
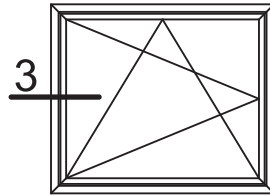
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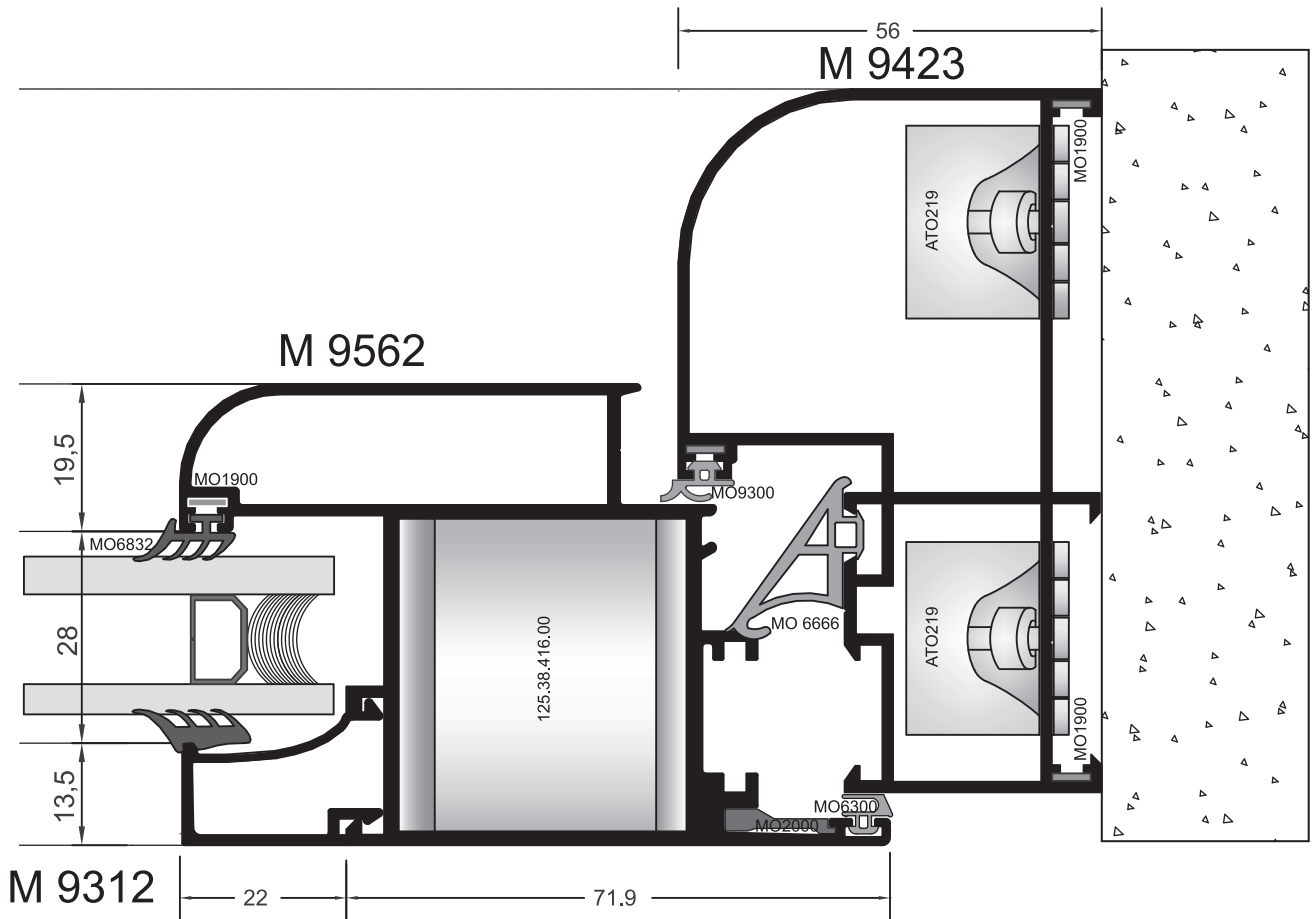
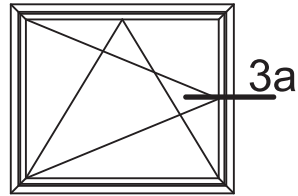
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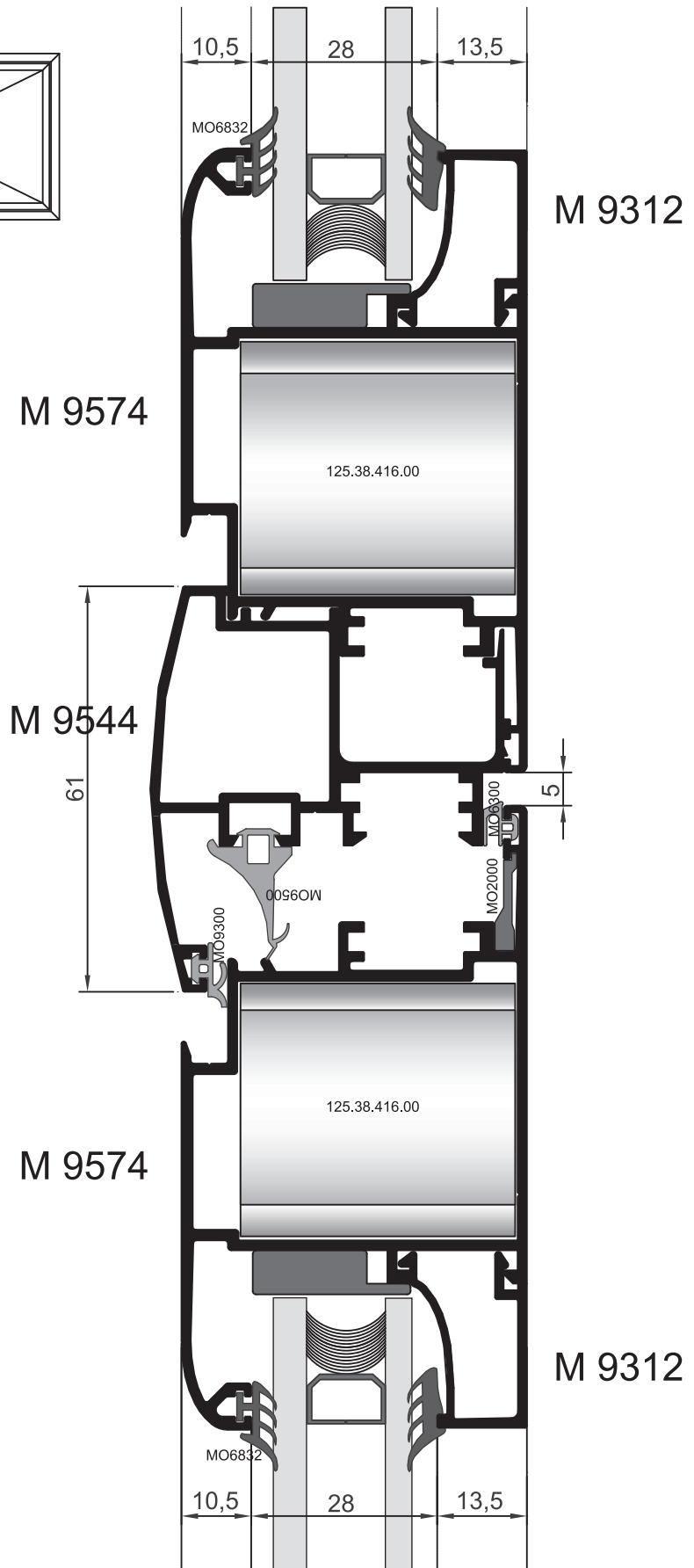
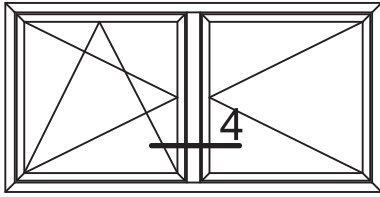
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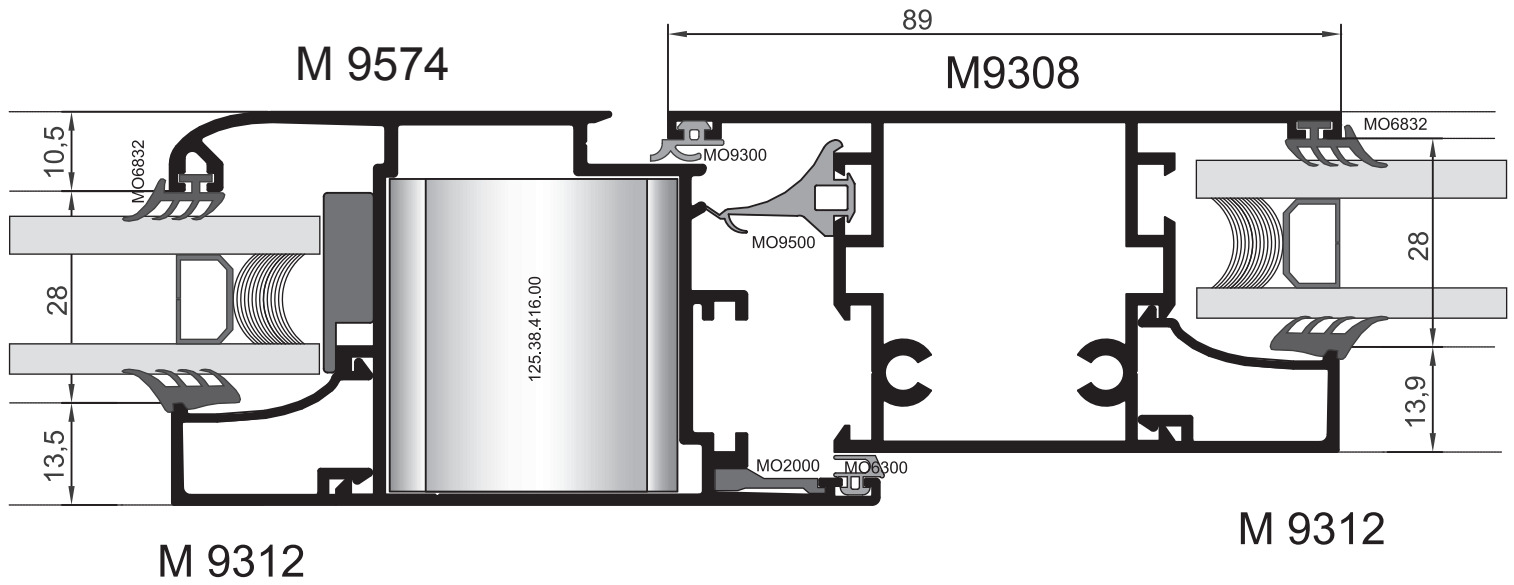
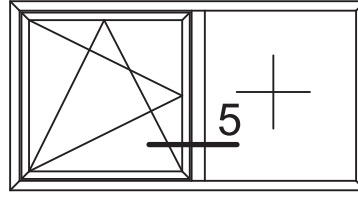
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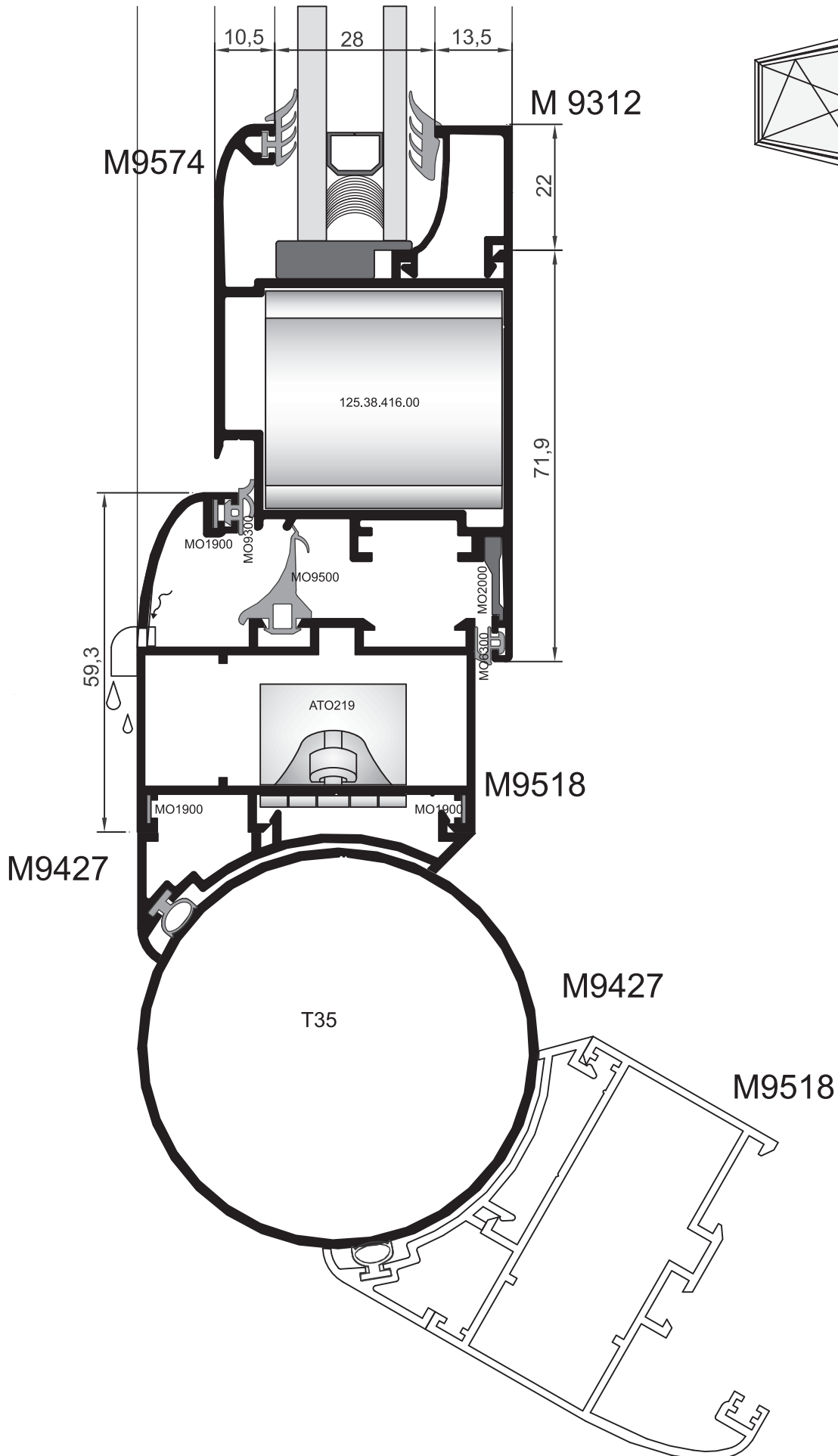
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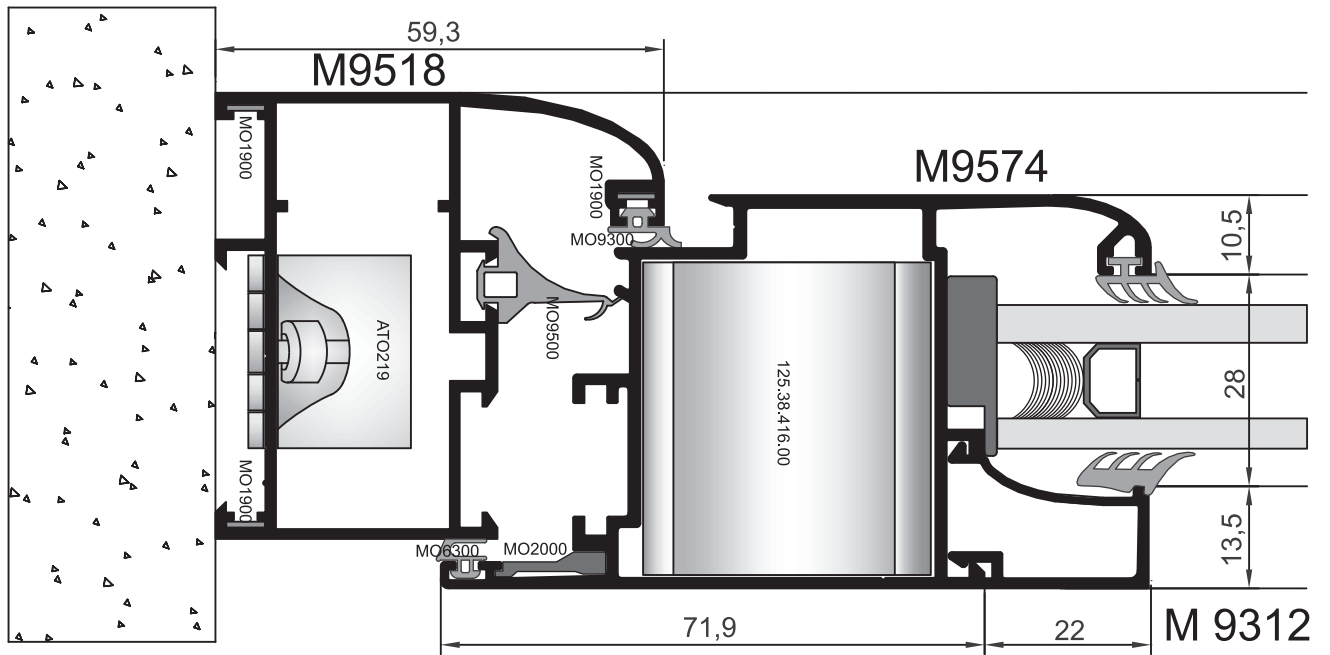
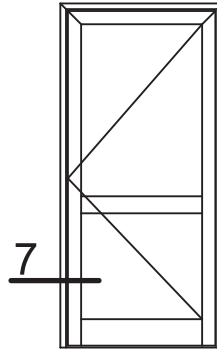
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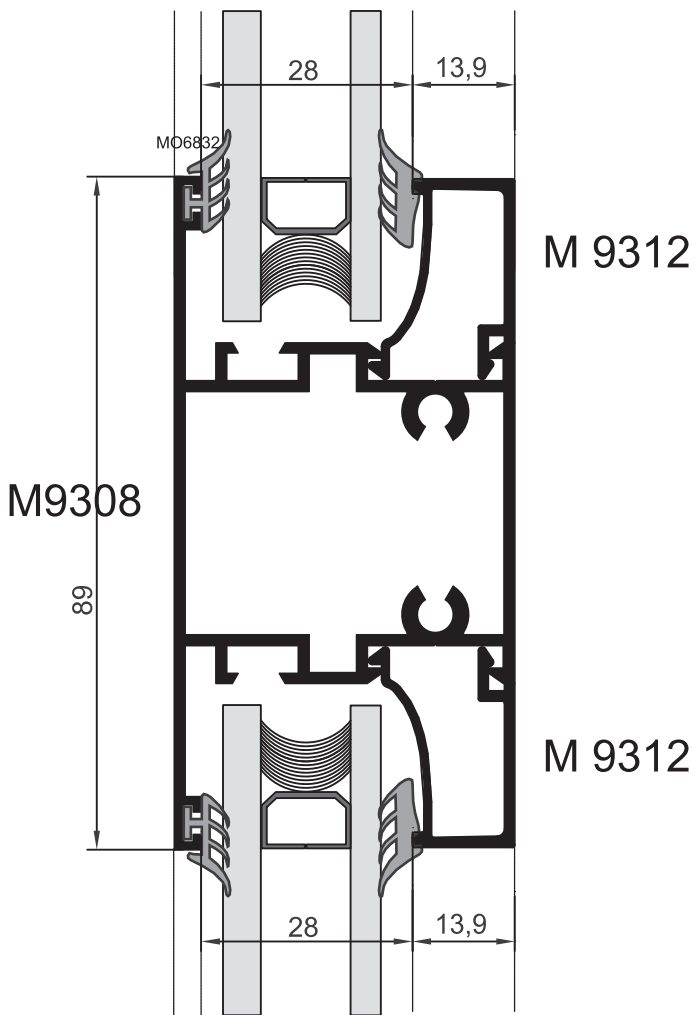
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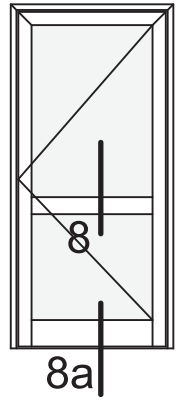
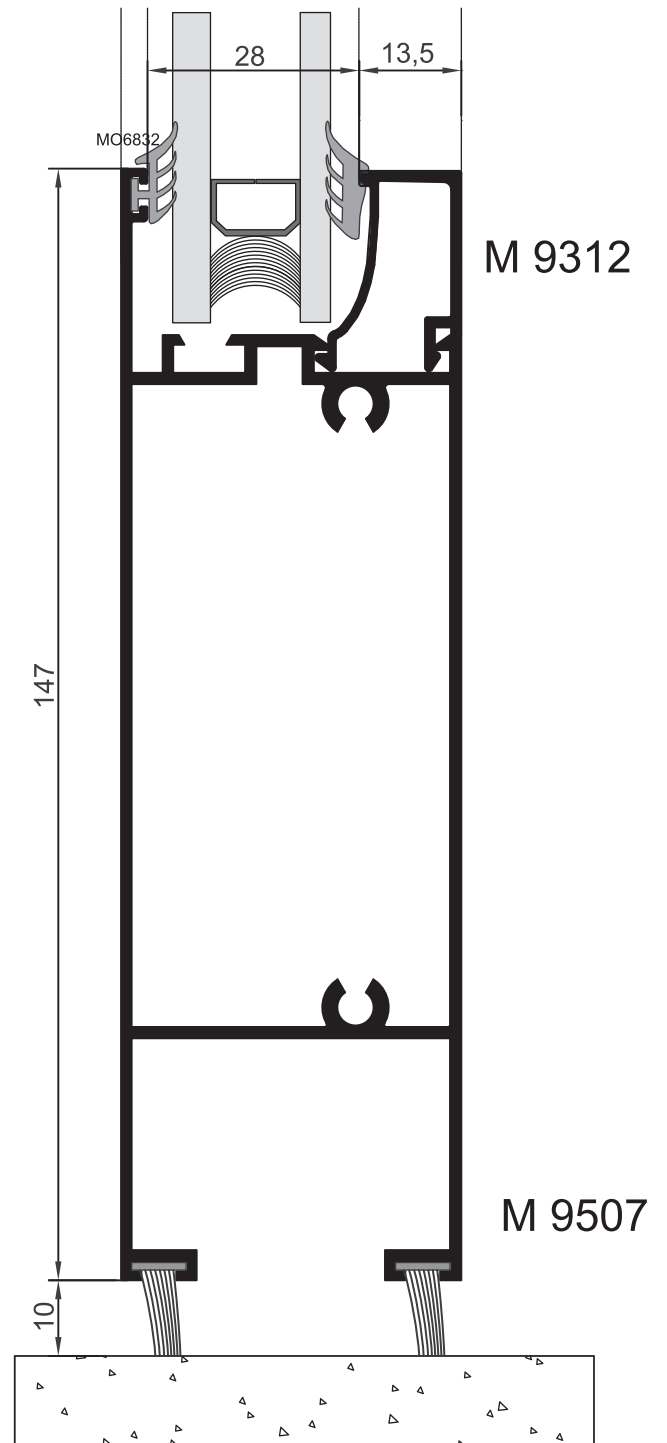
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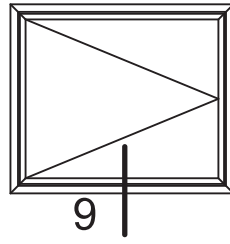


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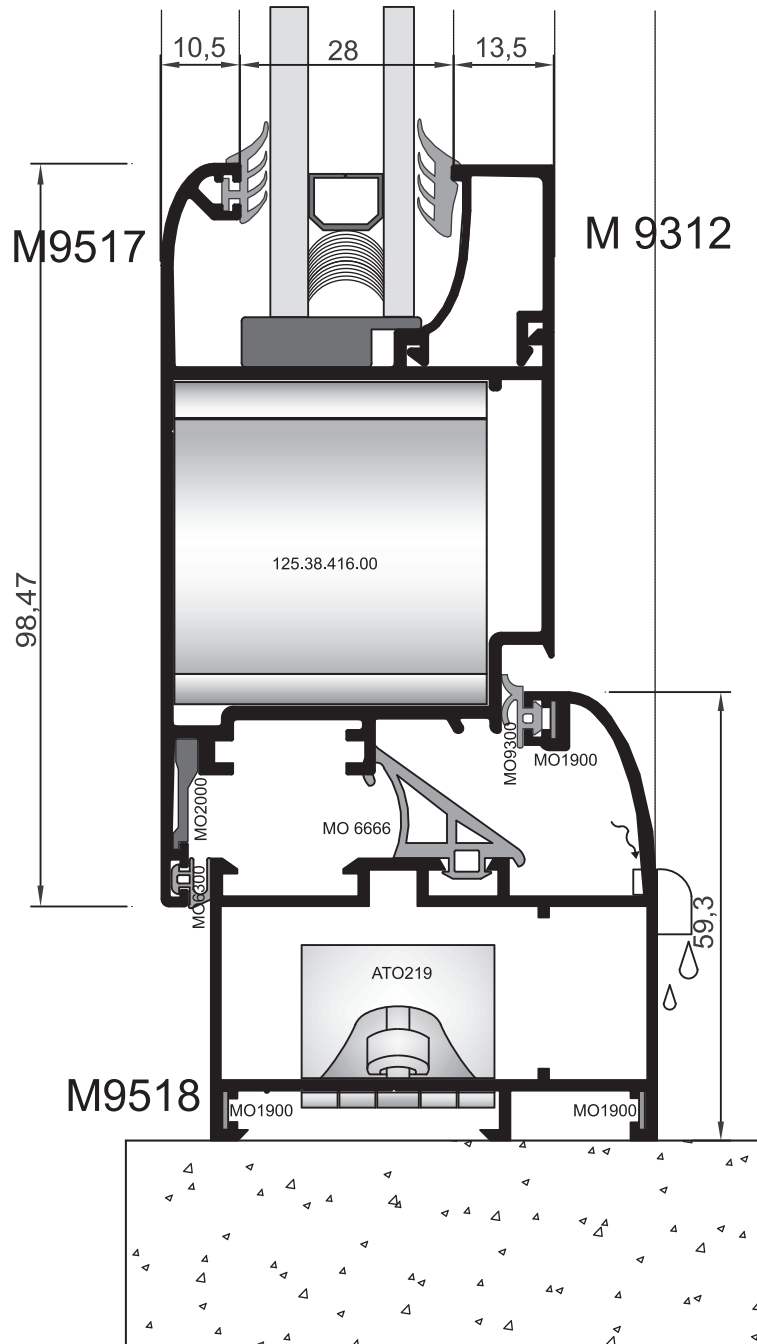


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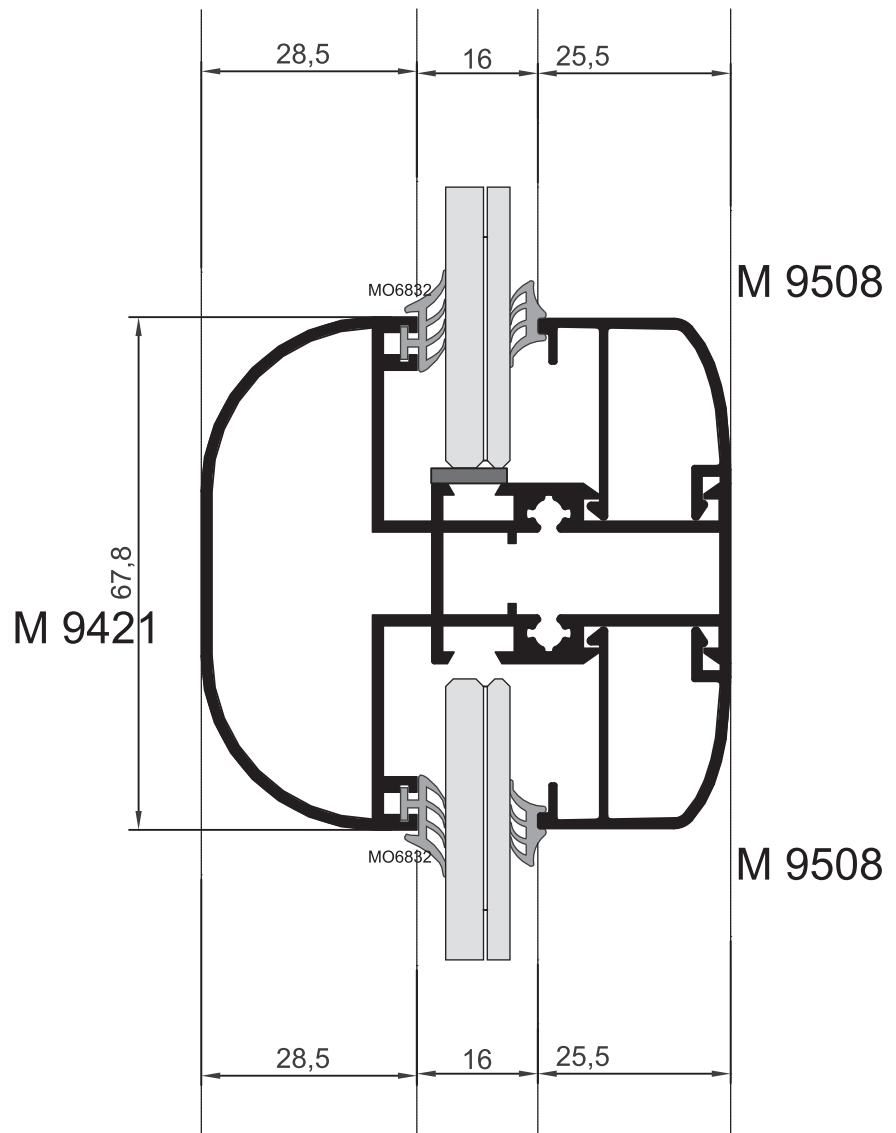
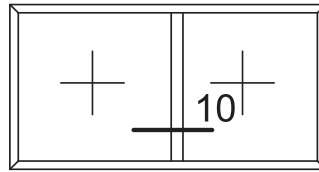




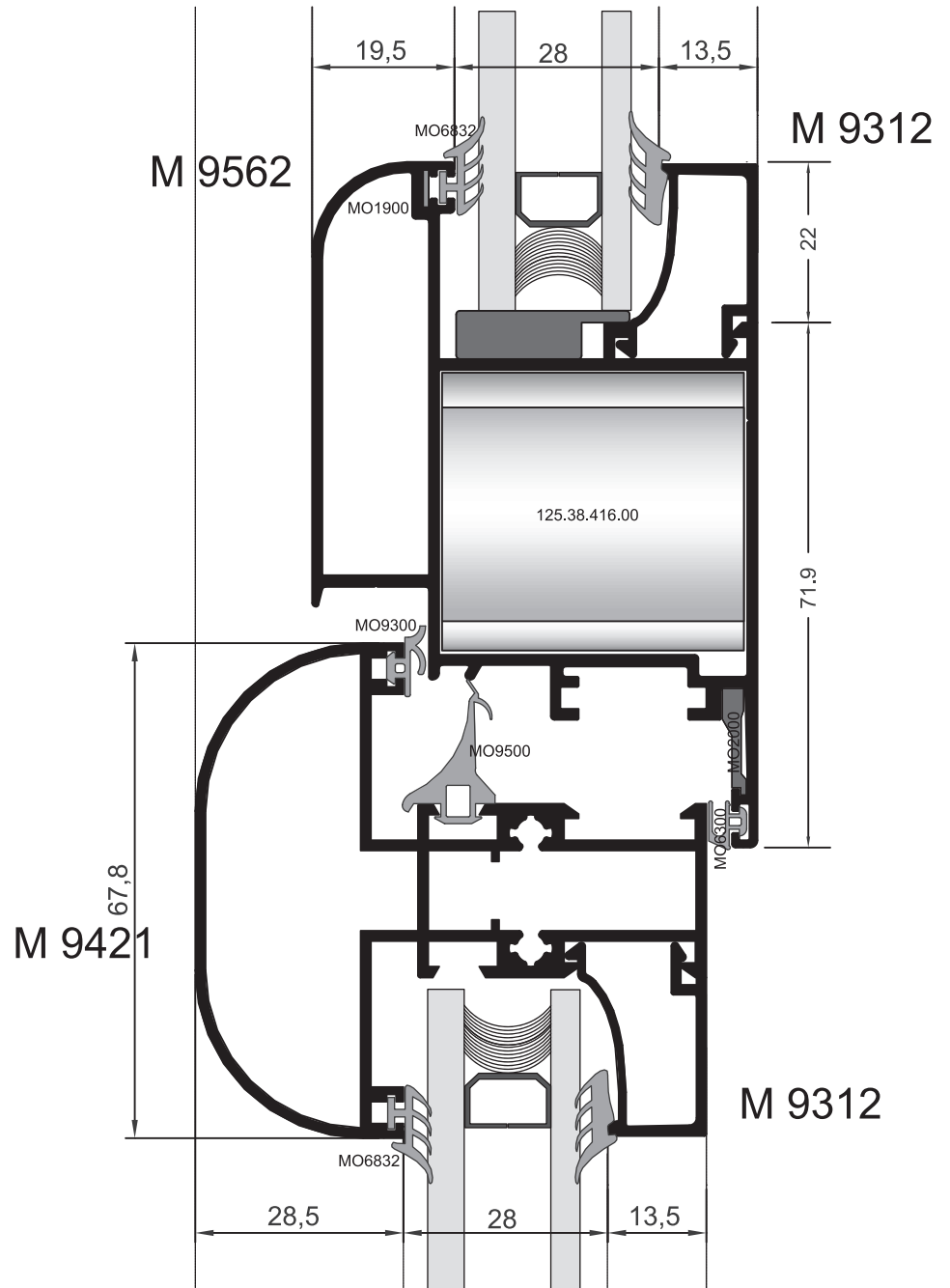
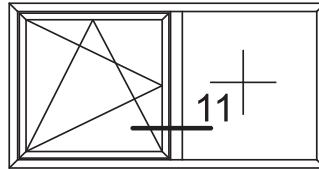
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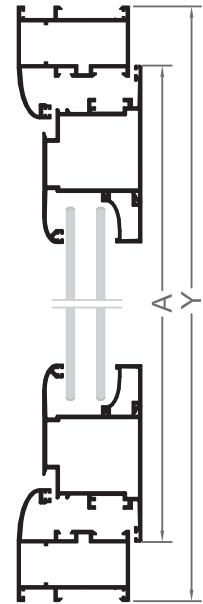
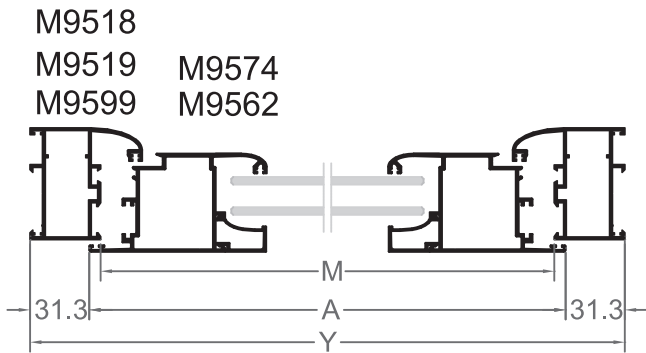
10.



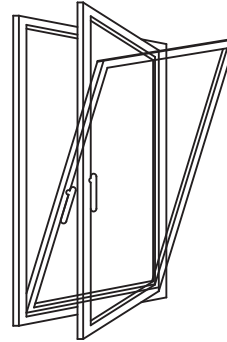
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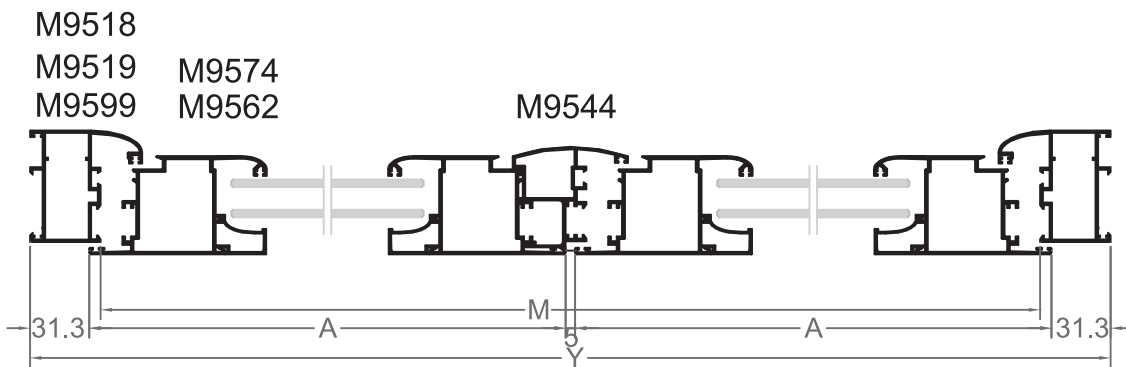
SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW



(HEIGHT OR WIDTH OF SASH) $A=Y-62.6\text{mm}$ OR $A=M+12\text{mm}$



DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW

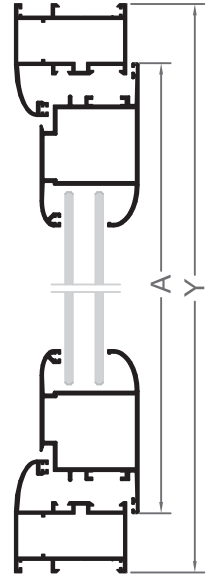
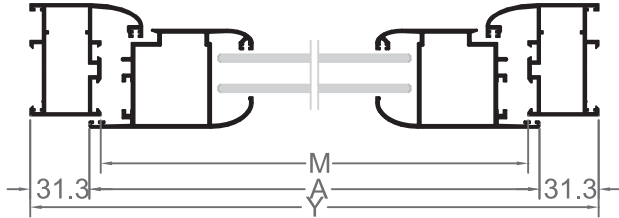


(WIDTH OF SASH) $\frac{A=Y-67.6\text{mm}}{2}$ OR $\frac{A=M+7\text{mm}}{2}$

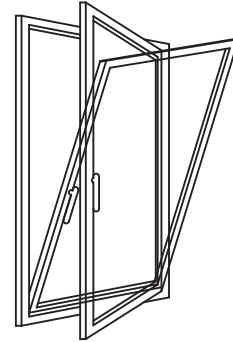
(HEIGHT OF SASH) $A=Y-62.6\text{mm}$ OR $A=M+12\text{mm}$

SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW

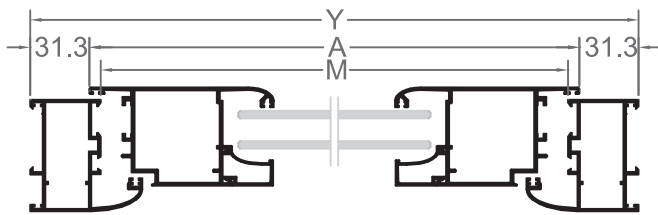
M9518
M9519
M9599 M9479



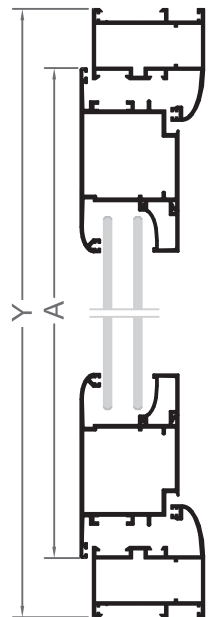
(HEIGHT OR WIDTH OF SASH) $A=Y-62.6\text{mm}$
OR
 $A=M+12\text{mm}$



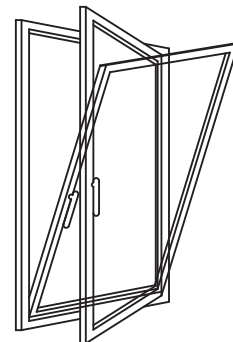
DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW



M9518 M9487
M9519
M9599

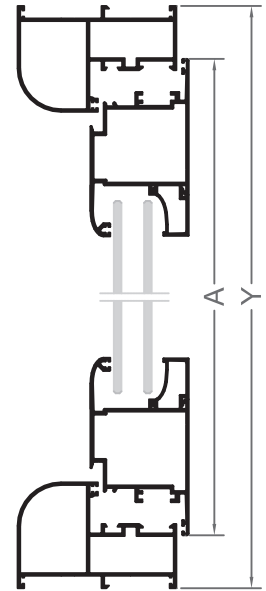
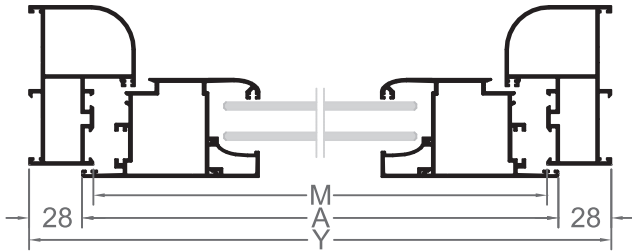


(HEIGHT OR WIDTH OF SASH) $A=Y-62.6\text{mm}$
OR
 $A=M+12\text{mm}$

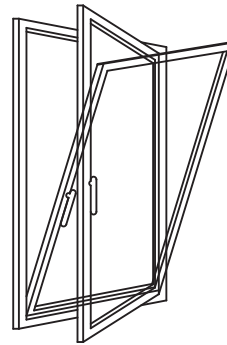


SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW

M9423 M9574
M9444 M9562

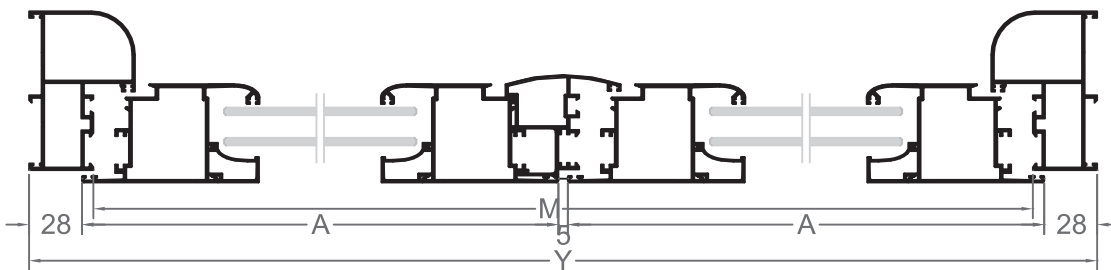


(HEIGHT OR WIDTH OF SASH) $A=Y-56\text{mm}$ OR $A=M+12\text{mm}$



DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW

M9423 M9574
M9444 M9562 M9544

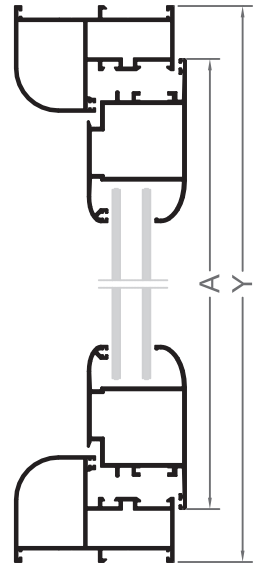
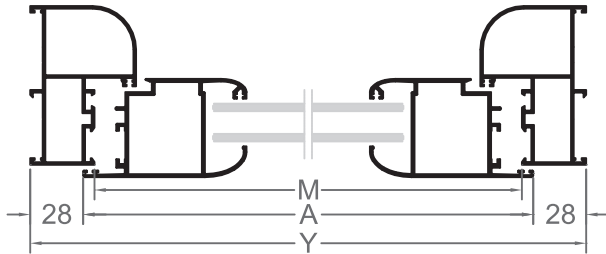


(WIDTH OF SASH) $\frac{A=Y-61\text{mm}}{2}$ OR $\frac{A=M+7\text{mm}}{2}$

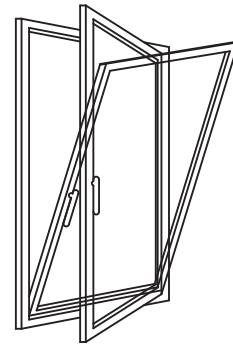
(HEIGHT OF SASH) $A=Y-56\text{mm}$ OR $A=M+12\text{mm}$

SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW

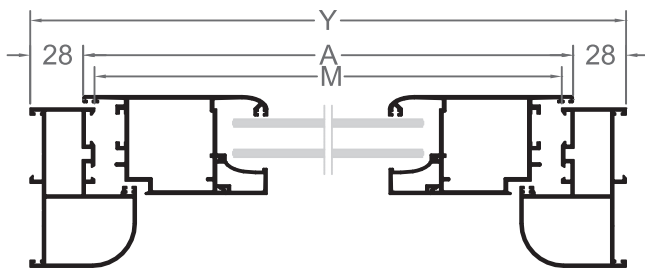
M9423
M9444 M9479



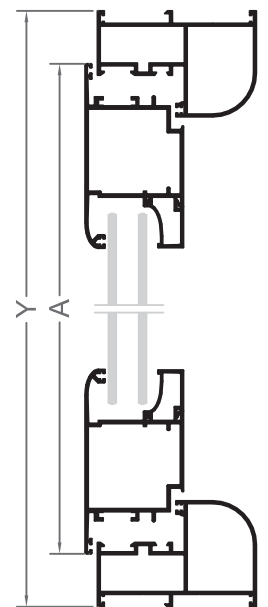
(HEIGHT OR WIDTH OF SASH) $A=Y-56\text{mm}$
OR
 $A=M+12\text{mm}$



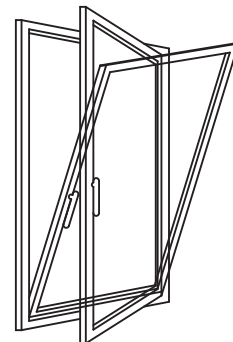
DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW



M9423 M9487
M9444

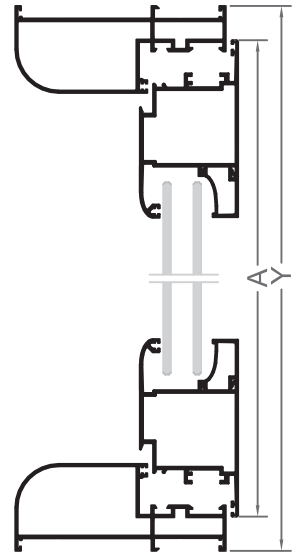
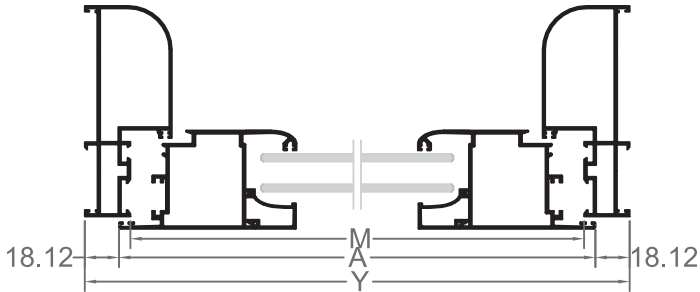


(HEIGHT OR WIDTH OF SASH) $A=Y-56\text{mm}$
OR
 $A=M+12\text{mm}$

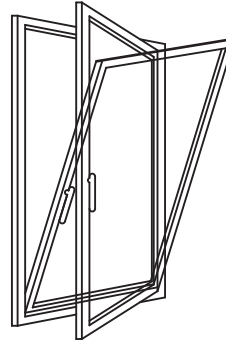


SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW

M9433 M9574
M9562

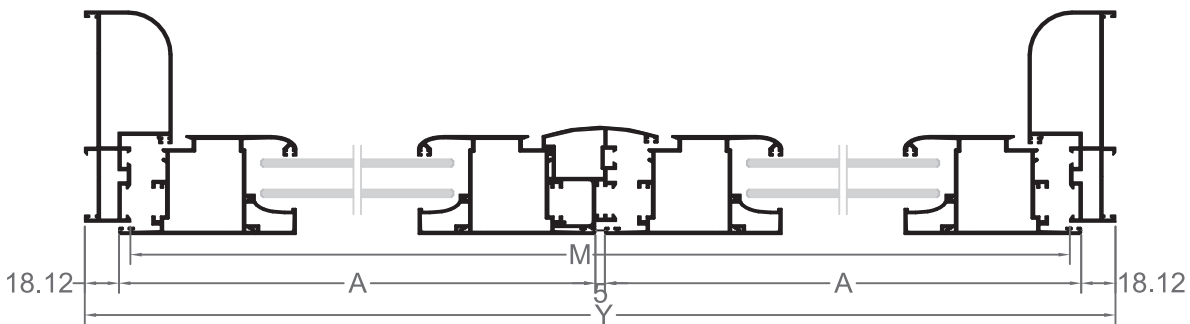


(HEIGHT OR WIDTH OF SASH) $A=Y- 36.24\text{mm}$
OR
 $A=M+12\text{mm}$



DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW

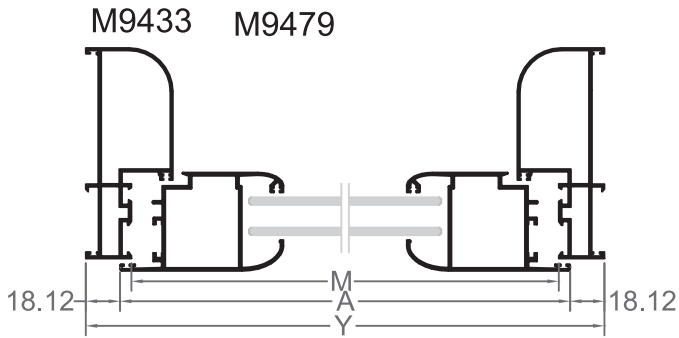
M9433 M9574
M9562 M9544



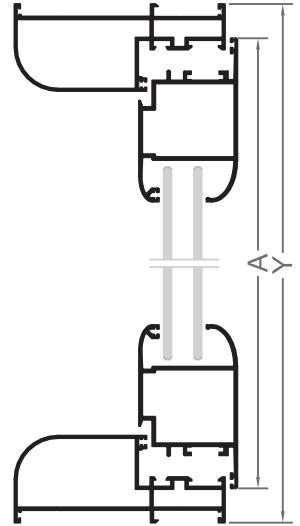
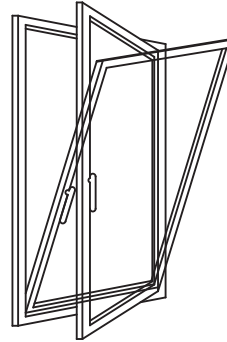
(WIDTH OF SASH) $\frac{A=Y- 41.24\text{mm}}{2}$ OR $\frac{A=M+7\text{mm}}{2}$

(HEIGHT OF SASH) $A=Y- 36.24\text{mm}$ OR $A=M+12\text{mm}$

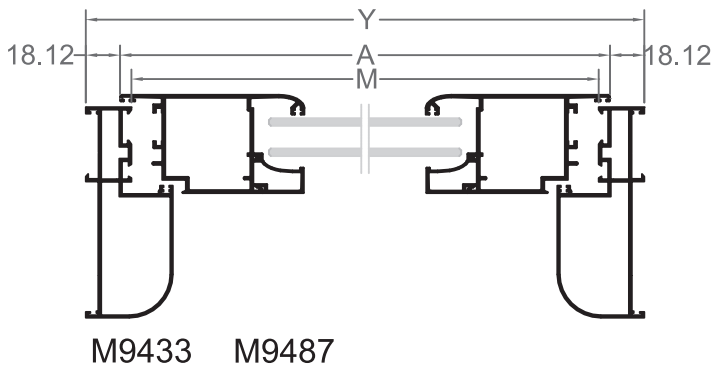
SINGLE LEAF CASEMENT/ TILT-N-TURN WINDOW



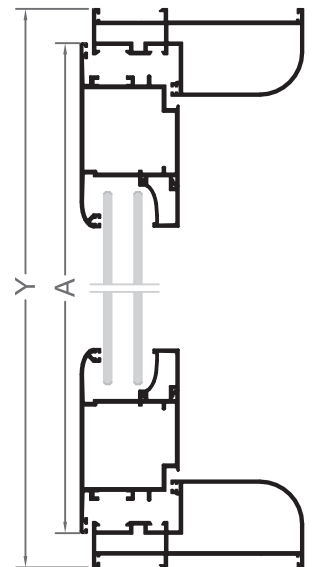
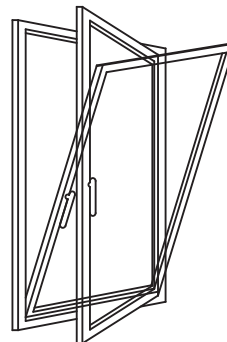
(HEIGHT OR WIDTH OF SASH) $A=Y- 36.24\text{mm}$
OR
 $A=M+12\text{mm}$



DOUBLE LEAF CASEMENT/ TILT-N-TURN WINDOW



(HEIGHT OR WIDTH OF SASH) $A=Y- 36.24\text{mm}$
OR
 $A=M+12\text{mm}$





ART. No : **140-11-230-00**

Stock No : **MS0401**

DESCRIPTION : SCREW CORNER

MATERIAL : DIE-CAST ALUMINIUM PACKAGE: 250

COLOR : MILL FINISH DIMENSION: 11X26 MM



ART. No : **140-00-219-00**

Stock No : **ATO219**

DESCRIPTION : SCREW CORNER

MATERIAL : STEEL PACKAGE: 100 - 400



ART. No : **120-38-260-00**

Stock No : **MO4400**

DESCRIPTION : SCREW CORNER

MATERIAL : ALUMINUM PACKAGE: 200

COLOR : MILL FINISH



ART. No : **125-23-266-00**

DESCRIPTION : SCREW CORNER

MATERIAL : ALUMINUM

COLOR : MILL FINISH



ART. No : **125-38-416-00**

DESCRIPTION : SCREW CORNER

MATERIAL : ALUMINUM

COLOR : MILL FINISH



ART. No : **180-19-000-00**

Stock No : **MO1900**

DESCRIPTION : ALIGNMENT CORNER

MATERIAL : STEEL PACKAGE: 1 - 20X500



ART. No : **180-20-000-00**

Stock No : **MO2000**

DESCRIPTION : ALIGNMENT CORNER

MATERIAL : POLYAMIDE PACKAGE: 2000

COLOR : BLACK



ART. No : **170-60-561-00**

Stock No : **MD605061**

DESCRIPTION : CORNER PIECE ROUND GLAZING BEAD

MATERIAL : DIE-CAST ALUMINUM PACKAGE: 100 - 400

COLOR : MILL FINISH, WHITE, BLACK, BROWN



ART. No : **300-00-944-00** Stock No : **MO9700**

DESCRIPTION : END COVER

MATERIAL : POLYAMIDE PACKAGE: 200

COLOR : BLACK



ART. No : **300-00-964-00** Stock No : **MO9800**

DESCRIPTION : END COVER

MATERIAL : POLYAMIDE PACKAGE: 200

COLOR : BLACK



ART. No : **300-09-544-00** Stock No : **ALUSOI**

DESCRIPTION : END COVER

MATERIAL : POLYAMIDE PACKAGE: 130

COLOR : BLACK PROFILE: M9544

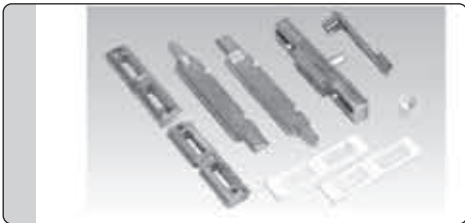


ART. No : **180-00-550-00** Stock No : **MP0055**

DESCRIPTION : ALIGNMENT CORNER

MATERIAL : POLYAMIDE PACKAGE: 300

COLOR : BLACK



ART. No : **474-22-001-00** Stock No : **MO2201**

DESCRIPTION : DEAD BOLT LATCH



ART. No : **480-00-094-00**

DESCRIPTION : KIT FOR WINDOW HANDLE

PACKAGE: 80



ART. No : **350-54-000-02** Stock No : **MO5400**

DESCRIPTION : HINGE

MATERIAL : ALUMINUM PACKAGE: 100

COLOR : WHITE, BLACK



ART. No : **440-73-521-00** Stock No : **FFAI73521**

DESCRIPTION : LOCKER

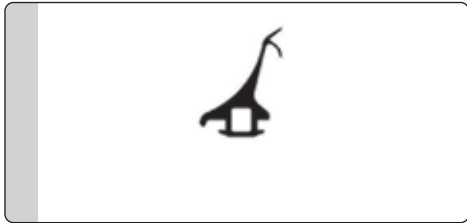
MATERIAL : STEEL PACKAGE: 25

COLOR : SILVER

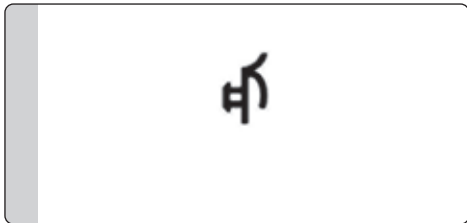


ART. No : 455-05-020-00	Stock No : XM0502
DESCRIPTION : DOOR HANDLE WHITE ROSETTES	
COLOR : WHITE - BLACK	PACKAGE: 1 - 24

GASKETS :



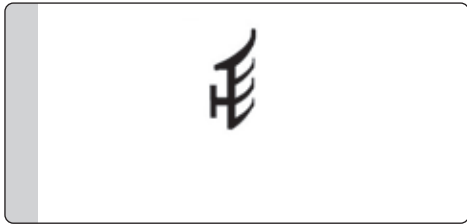
ART. No : 210-00-950-00	Stock No : MO9500
DESCRIPTION : CENTRAL GASKET	
MATERIAL : EPDM	
COLOR : BLACK	



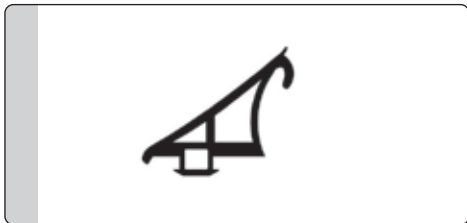
ART. No : 220-00-930-00	Stock No : MO9300
DESCRIPTION : GASKET	
MATERIAL : EPDM	
COLOR : BLACK	



ART. No : 220-63-000-00	Stock No : MO6300
DESCRIPTION : GASKET	
MATERIAL : EPDM	
COLOR : BLACK	



ART. No : 200-68-230-00	Stock No : MO6832
DESCRIPTION : GLAZING GASKET 3 mm	
MATERIAL : PVC	
COLOR : BLACK	



ART. No : 210-74-006-01	Stock No : MO6666
DESCRIPTION : CENTRAL GASKET	
MATERIAL : EPDM	
COLOR : BLACK	