

OVERVIEW OF BRACKETS									
Typical application				1	2	3			
Frame bracket				K134	K132	No			
Casement bracket				F41	F42	F42			
Space requirement	min.	[mm]	20	28	27				
Overlap thickness (*1)		[mm]	0 - 21	5 - 21	0 - 21				
Opening angle (*2)	max.	[DEG]	45	60	40				
Casement weight (*3)	max.	[Kg]	85	70	85				
Window material		Alu	●	●	●				
		Wood	●	●	●				
		PVC	●	●	●				
Type of window and mounting	Bottom hung	inward	HSK	FM	●	●			
				RM			●		
			NSK	FM	●	●			
				RM			●		
			outward	HSK	RM	●	●		
					PR				
		NSK		RM	●	●			
				PR					
		Top hung		inward	HSK	FM	■	■	
						RM			■
			NSK		FM	■	■		
					RM			■	
	outward		HSK	RM	■	●			
				PR					
	NSK	RM	■	■					
		PR							
	Side hung	inward	HSK	FM	●	●			
				RM			●		
			NSK	FM					
				RM					
			Roof	outward	HSK	RM	■	■	
						PR			
	NSK	RM							
		PR							
PAF	outward		RM	●	●				
Concealed									
FAB (*4)	Solo	[mm]	600 - 1200						
FAH (*4)	Solo	[mm]	250 - 1500						

LEGEND

● suitable ■ not recommended

(*1 Window sizes and opening angles may be different.

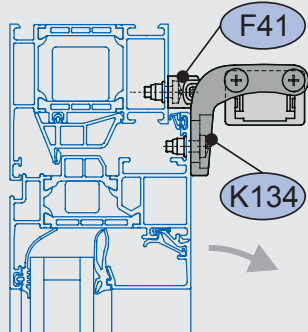
(*2 Sample values of the opening angle evaluated on the basis of FAB/FAH for inward opening windows with drives mounted at the main closing edge. For any other window heights, for outward opening windows and for windows with drives mounted at the side edges the opening angle will vary.

(*3 Please respect the individual geometry of the different windows. The listed max. casement weight refers to a single drive on button hung window with a max. opening angle.

(*4 Sample value of the casement dimensions for corner joints of 110 mm. The actual casement dimensions depend on length of the corner joints, profile dimensions, stroke and position of the drives. The values of FAB/FAH are to be used analogue for side hung windows.

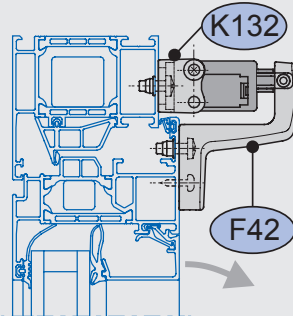
TYPICAL APPLICATIONS

- 1 FM, bottom hung
inward opening



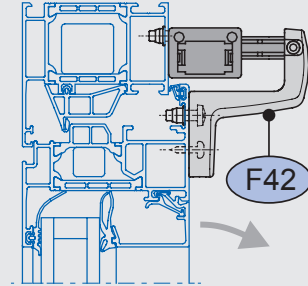
View on aluminium window

- 2 FM, bottom hung
inward opening



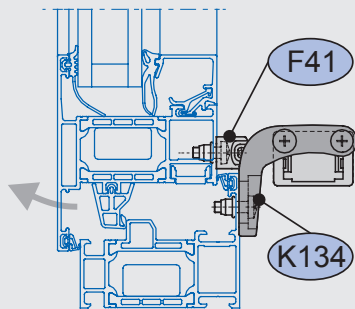
View on aluminium window

- 3 FM, bottom hung
inward opening



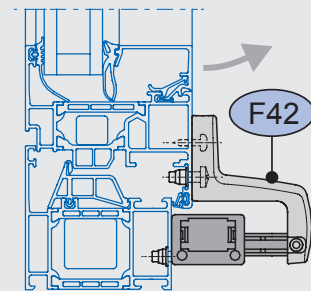
View on aluminium window

- 1 RM, top hung
outward opening



View on aluminium window

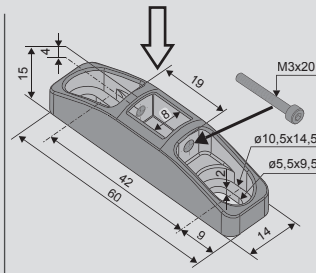
- 3 RM, top hung
inward opening



View on aluminium window

CASEMENT BRACKETS

F41



Application

Surface mounting on the casement profiles of inward opening windows, for swivelling fixing of drives KS4 with K132, K134

Chain fixing in direction of the arrow

Part.-No. 151440

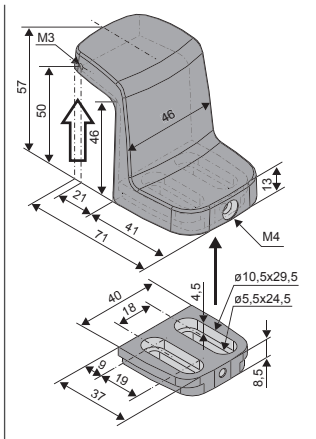
Material / Finish

Cast aluminum, bright chrome

Feature / Equipment

1x cylinder head screw M3x20
Drilling template

F42



Application

Surface mounting on the casement profiles of inward opening windows, for surface mounted drives KS4

Chain fixing in direction of the arrow

Part.-No. 151441

Material / Finish

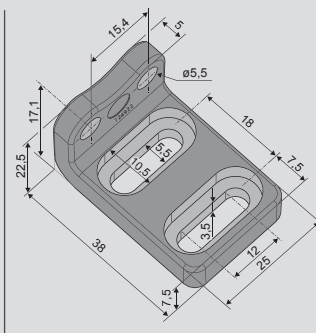
Cast aluminum, bright chrome

Feature / Equipment

1x baseplate
1x countersunk screw M4x10
1x cylinder head screw M3x25
Drilling template

FRAME BRACKETS

K132



Application

Surface mounting on the casement profiles of inward opening windows, for swivelling fixing of drives KS4 with F42

Part.-No. 522940

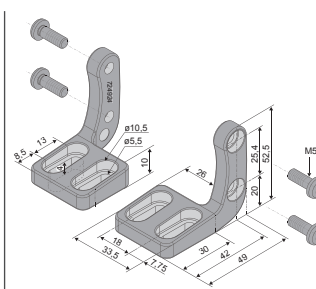
Material / Finish

Cast aluminum, bright chrome

Feature / Equipment

2x frame brackets
2x screws M5x16

K134



Application

Surface mounting on the casement / window frame profiles of in- / outward opening windows, for rigid or swivelling fixing of drives KS4 with F41, F42

Part.-No. 522941

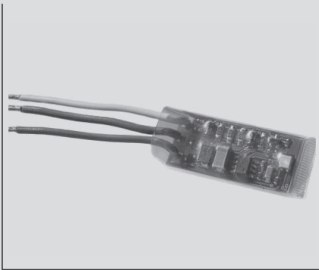
Material / Finish


Cast aluminum, bright chrome


Feature / Equipment

4x screw M5x10

OPTIONAL ACCESSORIES

Main control unit			
<p>M-COM</p> 	<p>Application Configuration module for automatic configuration and surveillance of max. 6 opening or locking drives version S12 / S3 in synchronised multi-drive systems</p> <p>Rated voltage: 24 V DC +/- 20%, (max. 2 Vss)</p> <p>Current consumption: <12 mA</p> <p>Drive type: S12</p> <p>Protection rating IP30 rubber envelope</p>	<p>Part.-No. 524177</p> <p>Ambient temperature range: 0 °C ... + 70 °C</p> <p>Dimensions 45 x 17 x 6 mm</p> <p>Connecting wires 3 wires 0,5 mm² x 50 mm</p> <p>Feature/Equipment Printed circuit board with components and connection wires to be installed in connection box to be supplied on site</p>	

<p>M-COM® Click</p> 	<p>Application Configuration module for automatic configuration and surveillance of max. 6 opening or locking drives version S12 / S3 in synchronised multi-drive systems</p> <p>Rated voltage: 24 V DC +/- 20%, (max. 2 Vss)</p> <p>Current consumption: <12 mA</p> <p>Drive type: S12</p> <p>Protection rating IP30 rubber envelope</p>	<p>Part.-No. 524167</p> <p>Ambient temperature range: -5 °C ... +70 °C</p> <p>Dimensions: 40 x 26 x 15 mm</p> <p>Connection: for AUMÜLLER chain drives with AUMÜLLER-Click plug solution</p> <p>Equipment Tongs for removing the M-COM® Click</p>	
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Plug solution			
<p>Aumüller-Click plug solution</p> 	<p>Application Aumüller-Click plug solution: Unified plug solution for all AUMÜLLER chain drives and AUMÜLLER folding arm drives.</p> <p>Rated voltage: 24 V DC +/- 20 %, (max. 2 Vss)</p> <p>Connecting cable: non-halogen, grey 5 x 0,5 mm²</p> <p>Terminal: to 1,5 mm²</p>	<p>Feature/Equipment</p> <ul style="list-style-type: none"> • Flexible cable length • Connect multiple drives in series connection • Torsion-plug • Locking hooks prevent withdrawal of the plug under tensile load • Strain relief according DIN EN 60335-1 by screwing the housing halves 	
VARIANTEN:			
	1 m cable length - 24 V DC	Part.-No. 501250	
	2 m cable length - 24 V DC	Part.-No. 501258	
	3 m cable length - 24 V DC	Part.-No. 501251	
	5 m cable length - 24 V DC	Part.-No. 501252	
	10 m cable length - 24 V DC	Part.-No. 501253	

Special model	PU / pcs.	Part.-No.		
Casement brackets painted / powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516032		
	21 – 50	516032		
	51 – 100	516032		
	up 101	516032		
Frame brackets painted / powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516031		
	21 – 50	516031		
	51 – 100	516031		
	up 101	516031		