



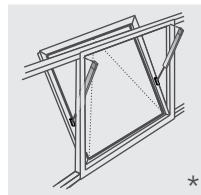
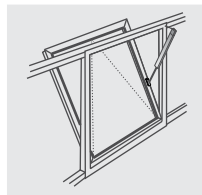
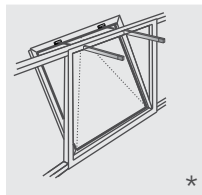
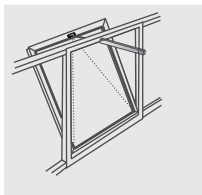
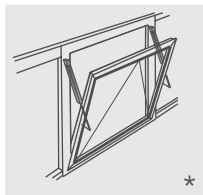
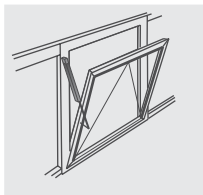
SPECIAL FEATURES SP

- For natural ventilation, smoke and heat exhausting systems
- Robust corrosion-resistant design
- Aluminium housing anodized finish or optionally in RAL colors - with plastic end caps
- Easy installation due to lateral dovetail guidance
- Phosphated steel spindle, aluminium spindle tube anodised finish, damped end positions
- Available in 24V DC and 230V AC
- Limit switch to protect against overload

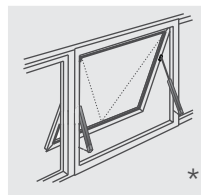
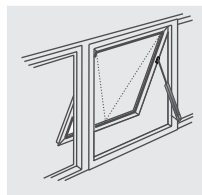
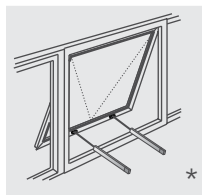
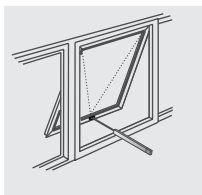
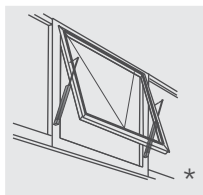
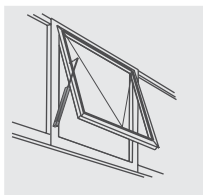
For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804. The LCA results of the different product types are listed at the end of this product catalogue. The EPD documents can be viewed or downloaded from our homepage www.aumueller-gmbh.de.

FACADE

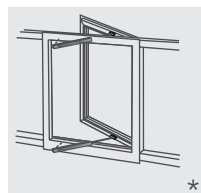
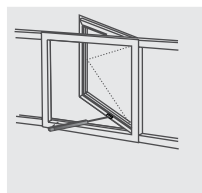
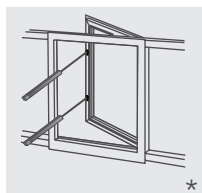
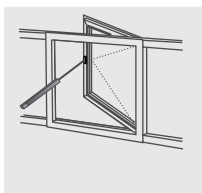
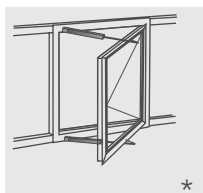
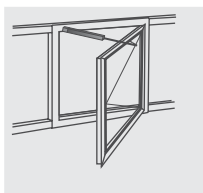
Bottom-hung



Top-hung

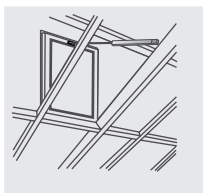


Side-hung

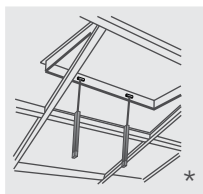
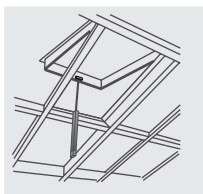


ROOF

Bottom-hung



Top-hung



Skylight



Glass pyramid

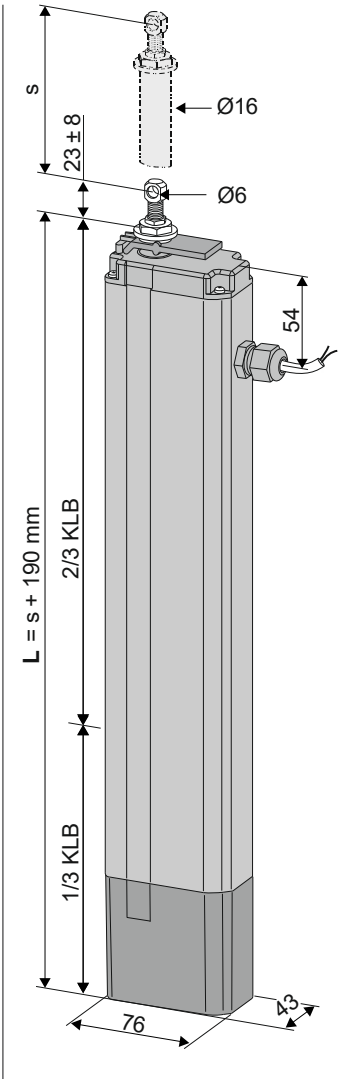


* Monitored motion run up to $s = 300$ mm with USKM (Controll modul Part.-No.: 512140)

- Application: natural ventilation and RWA
- Cut-off via limit switch
- „Z“-Version: Potential free NC contact for closed end position feedback (max. 24 V, 500 mA)
- Preferably application for skylight domes

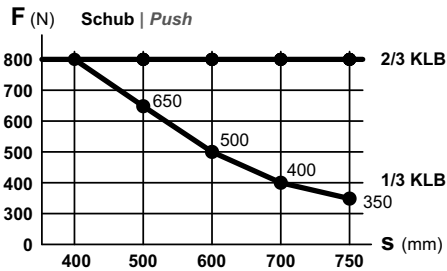
Options

- Rear suspension (only to 500 mm stroke)
- Stroke reduction
- Protection rating IP65



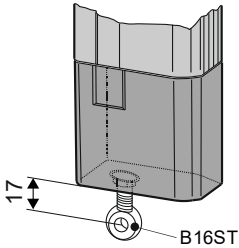
TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,8 A
I_A	Cut-off current	1,0 A
P_N	Rated power	20 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 54
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	800 N
F_A	Pushing force max.	



F_H	Pullout force	3000 N (fastening depended)
	Spindle tube	aluminium
	Connecting cable	non-halogen, grey SP8: 2 x 0,75 mm ² , ~ 1 m SP8-Z: 4 x 0,75 mm ² , ~ 1 m
v	Speed (unchangeable)	7,0 mm/s 7,0 mm/s
s	Stroke	see order data
L	Length	s + 190 mm (see order data)
	Sound pressure level	≤ 70 dB (A)

OPTION



The rear suspension is fitted at the factory.
Only up to 500 mm stroke possible!

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.	
100	290	SP8 100 S2 24V	E6/C-0	1	514110	
		SP8-Z 100 S2 24V		1	514310	
200	390	SP8 200 S2 24V	E6/C-0	1	514120	
		SP8-Z 200 S2 24V		1	514320	
300	490	SP8 300 S2 24V	E6/C-0	1	514130	
		SP8-Z 300 S2 24V		1	514330	
400	590	SP8 400 S2 24V	E6/C-0	1	514140	
		SP8-Z 400 S2 24V		1	514340	
500	690	SP8 500 S2 24V	E6/C-0	1	514150	
		SP8-Z 500 S2 24V		1	514350	
600	790	SP8 600 S2 24V	E6/C-0	1	514160	
		SP8-Z 600 S2 24V		1	514360	
750	940	SP8 750 S2 24V	E6/C-0	1	514175	
		SP8-Z 750 S2 24V		1	514375	

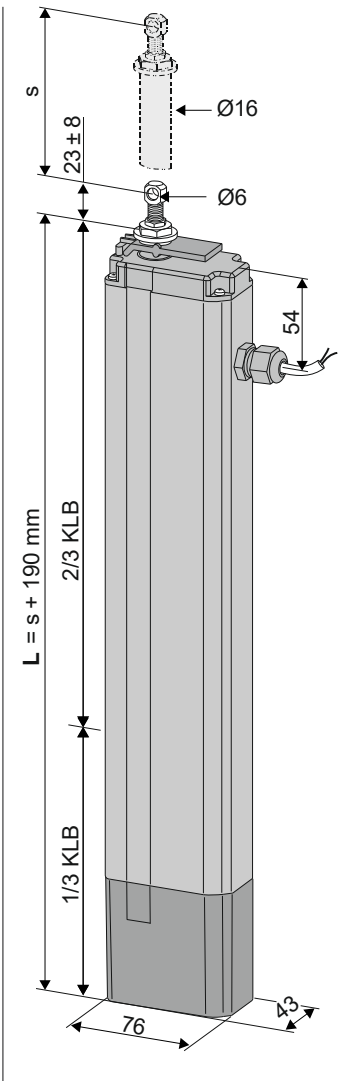
OPTIONS			
Special model	PU/pcs.	Part.-No.	
Rear Suspension			
Cape for rear suspension (only to 500 mm stroke) incl. eyebolt B16ST M8 x 40 mm, bore Ø8 mm	1	512002	
Protection rating IP65			
Drive with additional gaskets for IP65		512005	
Mechanical stroke reduction			
Stroke reduction without construction length - mechanically		516000	
Drive housing painted/powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516004	
	21 – 50	516004	
	51 – 100	516004	
	from 101	516004	
Extra length connecting cable:			
3 m – non-halogen, grey – 2 x 0,75 mm ²		501023	
5 m – non-halogen, grey – 2 x 0,75 mm ²		501024	
10 m – non-halogen, grey – 2 x 0,75 mm ²		501026	
5 m – non-halogen, grey – 4 x 0,75 mm ² („Z“-Version)		501044	
10 m – non-halogen, grey – 4 x 0,75 mm ² („Z“-Version)		501046	



- Application: natural ventilation as single-drive
- Cut-off via limit switch
- Potential free NC contact for closed end position feedback (max. 24 V, 500 mA)
- Parallel connection up to 8 drives in one group
- Preferably application for skylight domes
- Minimum basic lenght of housing for stroke $s = 300$ mm

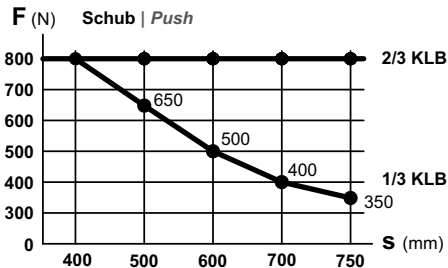
Options

- Stroke reduction (for $s < 300$ mm)
- Rear suspension (only to 500 mm stroke)
- Protection rating IP65



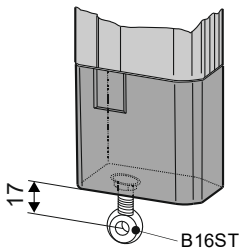
TECHNICAL DATA

U_N	Rated voltage	230 V AC (50 Hz)
I_N	Rated current	0,12 A
I_A	Cut-off current	0,2 A
P_N	Rated power	30 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 54
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	800 N
F_A	Pushing force max.	



F_H	Pullout force	3000 N (fastening depended)
	Spindle tube	aluminium
	Connecting cable	non-halogen, grey – 6 x 0,75 mm ² , ~ 1 m
v	Speed (unchangeable)	7,0 mm/s 7,0 mm/s
s	Stroke	see order data
L	Length	$s + 190$ mm (see order data)
	Minimum lenght of housing	490 mm ($s \geq 300$ mm)
	Sound pressure level	≤ 70 dB (A)

OPTION



The rear suspension is fitted at the factory.
Only up to 500 mm stroke possible!

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.	
300	490	SP8-Z 300 S2 230V	E6/C-0	1	496231	
400	590	SP8-Z 400 S2 230V	E6/C-0	1	496241	
500	690	SP8-Z 500 S2 230V	E6/C-0	1	496251	
600	790	SP8-Z 600 S2 230V	E6/C-0	1	496261	
750	940	SP8-Z 750 S2 230V	E6/C-0	1	496276	

OPTIONS			
Special model	PU/pcs.	Part.-No.	
Rear Suspension			
Cape for rear suspension (only to 500 mm stroke) incl. eyebolt B16ST M8 x 40 mm, bore Ø8 mm	1	512002	
Protection rating IP65			
Drive with additional gaskets for IP65		512005	
Mechanical stroke reduction			
Stroke reduction without construction length - mechanically		516000	
Drive housing painted/powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516004	
	21 – 50	516004	
	51 – 100	516004	
	from 101	516004	
Extra length connecting cable:			
3 m – non-halogen, grey – 6 x 0,75 mm ²		501163	
5 m – non-halogen, grey – 6 x 0,75 mm ²		501167	

OVERVIEW OF BRACKETS										
Typical applications					1	2	3	4	5	6
Frame bracket					K7	K57, K57.2, K57.3	K59	K57, K57.2, K57.3, K59	K92	K82
Mounting aid								K9		
Bracket accessories					B13	B10 inkl.				B13
Casement bracket					F12	F1, F1V, F1.1, F10.6				
Special application					Sky light Essmann				Sky light Lamilux	
Space requirement		min.	[mm]	120	40	35	50	60	45	
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		●	●		●	
	Sky-light	outward	HSK	RM	●	●	●		●	●
			NSK	RM						
FAB(*1		Solo	[mm]	1200	450 – 1300					
FAH(*1		Solo	[mm]	1200	450 – 1500					

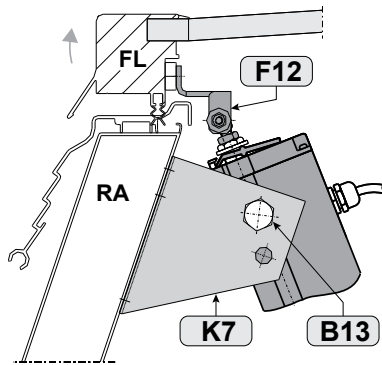
LEGEND

● suitable ■ not recommended

(*1) Sample value of the casement dimensions. The actual casement dimensions depend on the stroke and the position of the drives to the hinges. The values of FAB/FAH are to be used analogue for side hung windows.

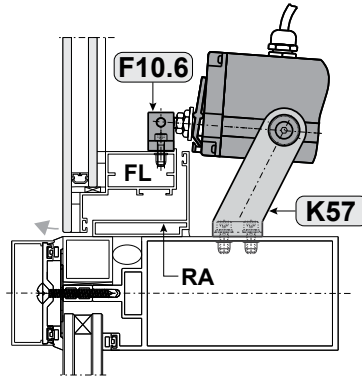
TYPICAL APPLICATIONS

1 RM, HSK, sky light



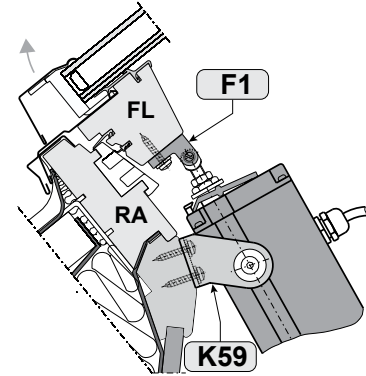
View on sky light Essmann

2 RM, HSK, top hung outward opening



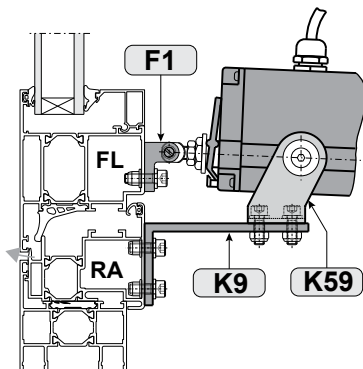
View on aluminium window

3 RM, HSK, roof



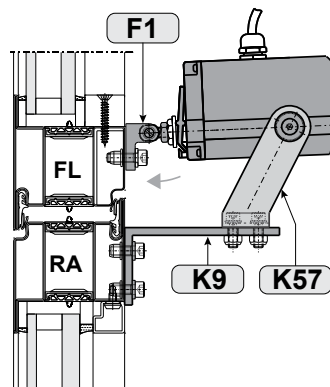
View on wooden window

4 RM, HSK, top hung outward opening



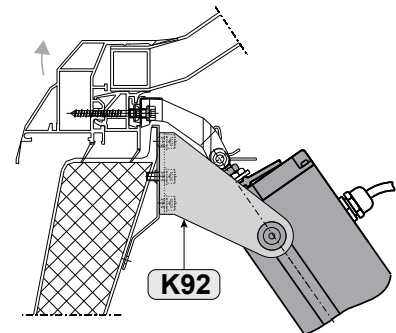
View on aluminium window

4 RM, HSK, top hung outward opening



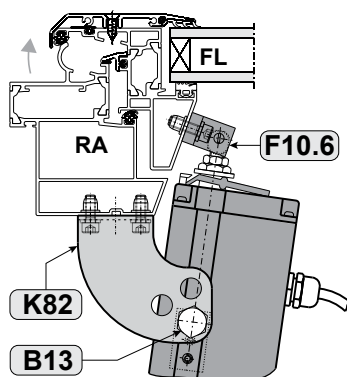
View on steel window

5 RM, HSK, sky light



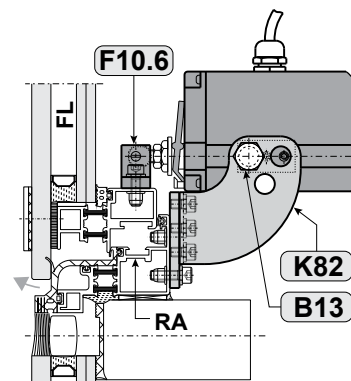
View on sky light Lamilux

6 RM, HSK, roof



View on aluminium window

6 RM, HSK, top hung outward opening



View on aluminium window

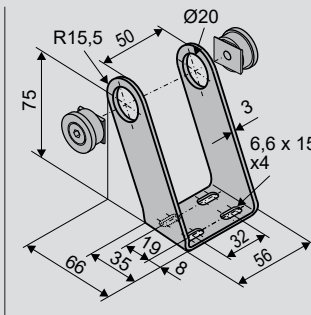
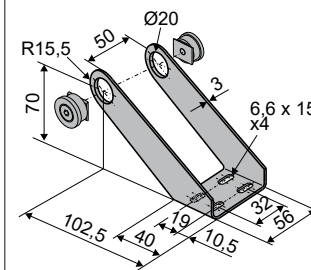
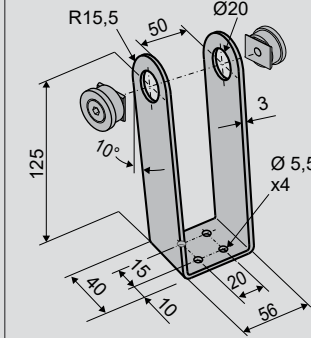
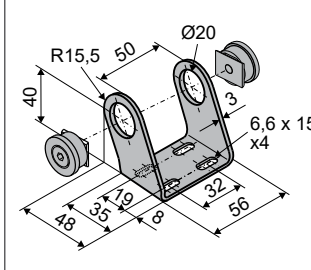
CASEMENT BRACKETS

F1		Application Surface mounting on the main closing edge of casement profiles of outward opening windows or skylights, for drives with front or rear suspension with bore Ø6 mm, manual removal of the drive is possible	Part.-No. 150102 Material/Finish aluminium, diecast Feature/Equipment 1x locking bolt Ø6 mm Load max. 1000 N		
F1.1		Application Surface mounting on the main closing edge of casement profiles of outward opening windows or skylights, for drives with front or rear suspension with bore Ø6 mm, manual removal of the drive is possible	Part.-No. 150110 Material/Finish aluminium, diecast Feature/Equipment 1x locking spring bolt Ø6 mm Load max. 600 N		
F1V		Application Surface mounting on the main closing edge of casement profiles of outward opening windows or skylights, for drives with front or rear suspension with bore Ø6 mm	Part.-No. 150101 Material/Finish aluminium Feature/Equipment 1x grubscrew Ø6 mm Load max. 1600 N		
F10.6		Application Surface mounting on main closing edge of casement profiles of outward opening windows or skylights, for drives with front or rear suspension with bore Ø6 mm, threaded stud bolt	Part.-No. 151000 Material/Finish aluminium Feature/Equipment 1x stud bolt Ø6 mm Load max. 1600 N		

FRAME BRACKETS

K82		Application Surface mounting on the main closing edge of window frame profiles or on the mullion/transom of outward opening (roof-)windows, for swivelling suspension of drives PLA with B4, SP with B13, LKS with B7	Part.-No. 151320 Material/Finish stainless steel Feature/Equipment drilled holes Ø12,5 mm		
Accessories					
	B13 clamp block SP (12 mm, G1/8) thick	Part.-No. 513901			
K4-L		Application Surface mounting on the main closing edge of the upstand of skylight domes Eternit for swivelling suspension of drives PLA with B4, SP with B11,	Part.-No. 155610 Material/Finish steel galvanized Feature/Equipment 2x screw Taptite M4x10, 1x nut M4, 1x screw M4x65		
Accessories					
	B11 clamp block SP (G1/8)	Part.-No. 513902			
K5		Application Surface mounting on the main closing edge of window frame profiles or on the mullion/transom of outward opening (roof-)windows, for swivelling suspension of drives PLA with B4, SP8 with B13, LKS with B7	Part.-No. 155800 Material/Finish stainless steel Feature/Equipment drilled holes Ø12,5 mm		
Accessories					
	B13 clamp block SP (12 mm, G1/8)	Part.-No. 513901			
	K21K Frame bracket	Part.-No. 159900			
	K21L Frame bracket	Part.-No. 159905			
K17		Application Surface mounting on the main closing edge of window frame profiles or on the mullion/transom of outward opening (roof-)windows, for swivelling suspension of drives PLA with B5, SP with B12	Part.-No. 159200 Material/Finish steel galvanized Feature/Equipment adjustable height		
Accessories					
	B12 clamp block SP (7,0 mm thick, Ø8 mm)	Part.-No. 513903			

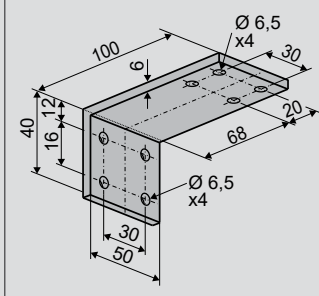
FRAME BRACKETS

K57 	Application Surface mounting on the main closing edge of the window frame of outward opening roof windows or skylight domes for swivelling suspension of drives SP , Space in between clamp axis and fixing level 75 mm	Part.-No. 160930 Material/Finish steel galvanized Feature/Equipment 2x B10 clamping bolts	
K57.2 	Application Surface mounting on the main closing edge of the window frame of outward opening roof windows or skylight domes for swivelling suspension of drives SP , Space in between clamp axis and fixing plane 70 mm	Part.-No. 160931 Material/Finish steel galvanized Feature/Equipment 2x B10 clamping bolts	
K57.3 	Application Surface mounting on the main closing edge of the window frame of outward opening roof windows or skylight domes for swivelling suspension of drives SP , Space in between clamp axis and fixing plane 125 mm	Part.-No. 160935 Material/Finish steel galvanized Feature/Equipment 2x B10 clamping bolts	
K59 	Application Surface mounting on the main closing edge of the window frame of outward opening roof windows or skylight domes for swivelling suspension of drives SP , Space in between clamp axis and fixing plane 40 mm	Part.-No. 160934 Material/Finish steel, powdercoated (RAL 9006-silver) Feature/Equipment 2x B10 clamping bolts	
	Accessories K9 Frame bracket	Part.-No. 158501	

OPTIONAL ACCESSORIES

Window console

K9



Application

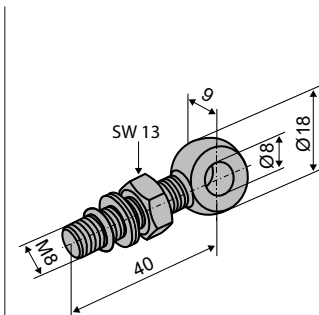
Shift the fastening level of the frame brackets **K57**, **K57.2** and **K59** from the horizontal to the vertical side of the **main closing edge** of window frames

Part-No. 158501

Material/Finish
aluminium

Eyebolt

B16ST



Application

Eye bolt for **rear or front suspension** of spindle drives with **M8** thread in the rear base cap or in the spindle tube

Part-No. 100044

Material/Finish
steel galvanized
Feature/Equipment
M8x40 (Eye Ø8 mm),
1x nut M8,
1x Nordlock-safety-washer,
1x O-ring
max. screw-in depth in the drive
25 mm

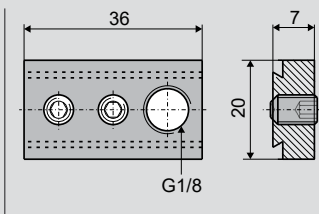
B16VA

Part-No. 100144

Material/Finish
stainless steel (V2A)

Clamp blocks

B11



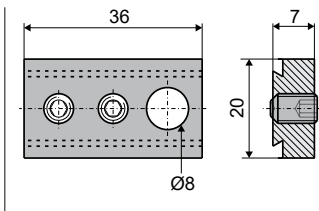
Application

Swivelling suspension of drives **SP8** on frame brackets **K4-L** with collar screw **B8**

Part-No. 513902

Material/Finish
aluminium
Feature/Equipment
7,0 mm thick, thread G1/8",
incl. 2 collar screws B8, Ø12 mm

B12



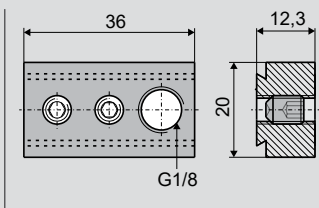
Application

Swivelling suspension of drives **SP8** on frame brackets **K17**

Part-No. 513903

Material/Finish
aluminium
Feature/Equipment
7,0 mm thick, bore Ø8,2 mm
2 pieces

B13



Application

Swivelling suspension of drives **SP8** on frame brackets **K5**, **K7**, **K82** with collar screw **B8**

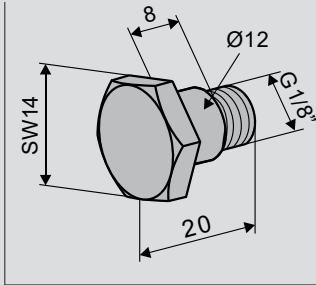
Part-No. 513901

Material/Finish
aluminium
Feature/Equipment
12,3 mm thick, thread G1/8",
incl. 2 collar screws B8, Ø12 mm

SPECIFIC APPLICATIONS

SKY-LIGHT LAMILUX			
K92		Application Surface mounting on the main closing edge of the upstand of skylight domes Lamilux for swivelling suspension of drives SP. For the front suspension the original casement bracket of Lamilux is used	Part.-No. 160937 Material/Finish steel, powder coated (RAL 9010 white) Feature/Equipment 2x B10 clamping bolts
SKY-LIGHT ESSMANN TYP 810			
F12		Application Surface mounting on the main closing edge of the casement profiles of skylight domes Essmann 810 for drives with front suspension with bore Ø6 mm	Part.-No. 151500 Material/Finish steel galvanized Feature/Equipment 1x screw M6, 1x washer, 1x nut Load max. 800 N
K7		Application Surface mounting on the main closing edge of the upstand of skylight domes Essmann 810 for swivelling suspension of drives PLA with B4, SP with B13, LKS with B7	Part.-No. 157500 Material/Finish steel galvanized Feature/Equipment drilled holes Ø12,5 mm
Accessories			
	B13 clamp block SP (12 mm, G1/8)	Part.-No. 513901	

OPTIONAL ACCESSORIES

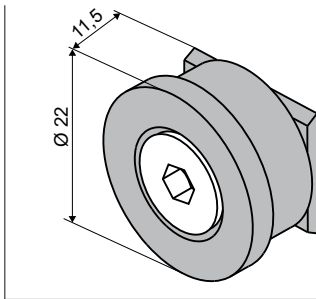
B8**Application**

Swivelling suspensin of the
clamp rings
B4 for **PLA**
B7 for **LKS**
or of the clamping blocks
B11, B13 for **SP**
for U-shaped frame brackets
with bore **Ø12,5 mm**

Part.-No. 172800**Material/Finish**

stainless steel

Feature/Equipment
collar Ø12 mm, G1/8"

B10**Application**

Swivelling suspensin of drives
SP8 on frame brackets **K57**,
K57.2, K57.3, K59, K92

Part.-No. 155010**Material/Finish**

cast steel, nickel plated

Feature/Equipment
2 pieces
(for drilled holes Ø20 mm)

CASEMENT BRACKETS AND FRAME BRACKETS

Special accessories

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		
	from 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		
	from 101	516031		