

Multifunctional Accessories

Every small detail has a big impact on the entire system, especially when countless accessories fill hundreds of catalog pages. Developing an accessory for every new application fundamentally contradicts our concept of a World-Class product range.

Our accessories are multifunctional and fit not only to an exactly defined component, but to all other components in the entire Modular Automation System.



Cover or fasten

- universally usable Cover or Insert Extrusion
- fits 40 mm and 50 mm extrusions
- suitable for mounting 4 mm to 6 mm thick panels
- covers T-slots and protects against dust and water spray
- suitable for cable routing
- easy to assemble: snap in and go



Everything is possible with a single hinge

- universal hinge fits all applications
- one hinge for all doors
- attachment of non-Robotunits components possible



Fine-tuning and fastening element

- multifunctional Fine-Tuning and Fastening Element
- form-located positioning
- infinitely adjustable
- post-assembly insertion possible



Unique clamping device allows easy attachment of parts

- facilitates mounting of 3 mm-10 mm thick panels without drilling
- clamping device is quickly mounted by inserting it into the slot
- no drilling of panels required
- parts can be reused
- fits 40 mm and 50 mm extrusions



Safety interlocks: quick and secure installation

- quick and safe installation without the need for additional parts
- fits 40 mm and 50 mm extrusions
- easy to install and adjust
- no drilling or preparing of extrusions needed
- IP65 protection class in accordance with TEC 529



Save time, cut cost

- multifunctional accessories reduces your cost of ordering and your inventory overhead
- standard labeling saves even more time in assembly and storage



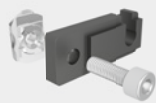


Multifunctional Accessories

Belt Conveyor Accessories

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Roller Retainer
PIN 453_
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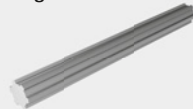
Speed Controller
CCN 0004
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Connection Hub
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Splined Shaft
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Connection Shaft
with Couplings
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Safety Fence Floor
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Leveling Bases
BAS ____
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Fine-Tuning and
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TIN 4501 Page 159



Safety Fence Accessories

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Weld Mesh PAN
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Panel PAN
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Weld Mesh Clip
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Mesh Retainer
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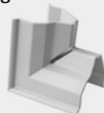
Clamping Device
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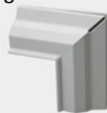
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90° Corner Piece
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Safety Fence
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90° Safety Fence
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Door Latch
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Door Catch
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Door Stop
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Safety Slide
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Safety Interlock
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Door Support
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Floor Catch
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Safety Fence Floor
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Anchor Bolt
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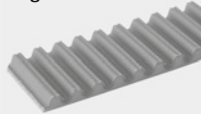
Linear Motion System Accessories

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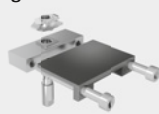
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Timing Belt
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Timing Belt Clamp
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Wrench LIN 9990
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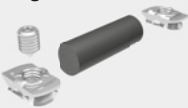
Guiderail
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Expanding
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Connection Shaft
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General Modular Accessories

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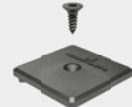
Encoder LIN 750_
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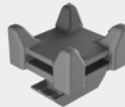
Connection Shaft
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End Cap
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Cable Block
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Fine-Tuning and
Fixing Element
TIN 4501 Page 159



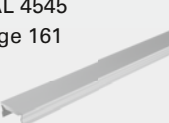
Cover/Insert
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T-Slot Sliding Rail
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Anchor Bolt
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Leveling Bases
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Castors
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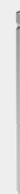
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Allen Key for
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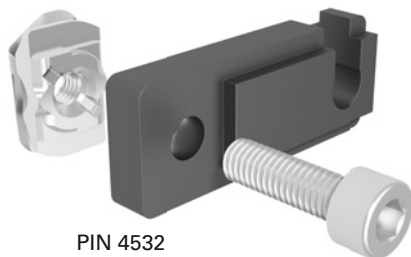
1/4" Hex Bit
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PIN 453_

Roller Retainers

TIN 4506



PIN 4532

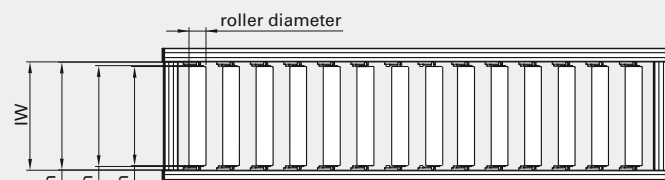
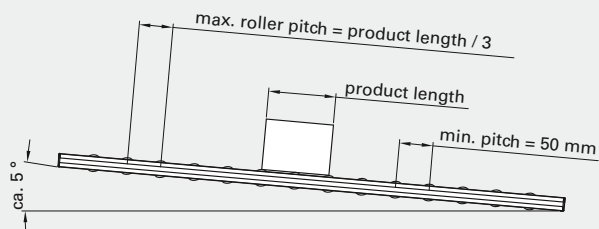
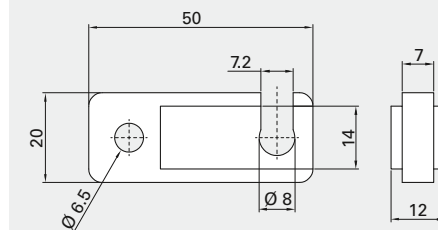
IBS M06x018

Application

Used for gravity roller conveyors
rollers can be easily integrated into frame
or guarding structure

Technical Data

Material: PA composite,
fiberglass-reinforced



retention force / per roller retainer = 40 kg
IW = Inside Frame Width
AL = Axle Length
UC = Useable Clearance
RL = Roller Length

Order Code

Description	Scope of Delivery			Order Code	
	PIN 4532	TIN 4506	IBS M06x018		Weight
Roller Retainer Kit	1	1	1	PIN 4533	0.025 kg
Roller Retainer, 100 pcs.	100	-	-	PIN 4532 PAC 0100	2.500 kg

CCN 0004

Speed Controller



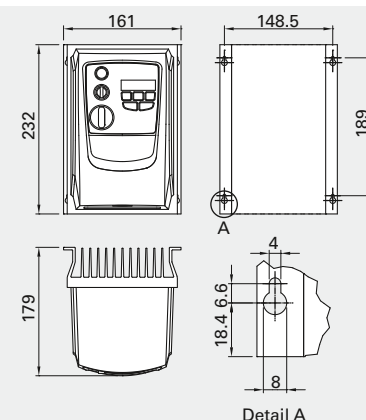
Application

Variable frequency drive for controlling
motor speed

Technical Data

Input voltage: 1 x AC 200 - 240 V
Input frequency: 50/60 Hz
Output voltage: 3 x 20 - 250 V
Output frequency: 0 - 500 Hz
Power output: 0.75 kW
IP rating: IP66

Delivery: un-wired

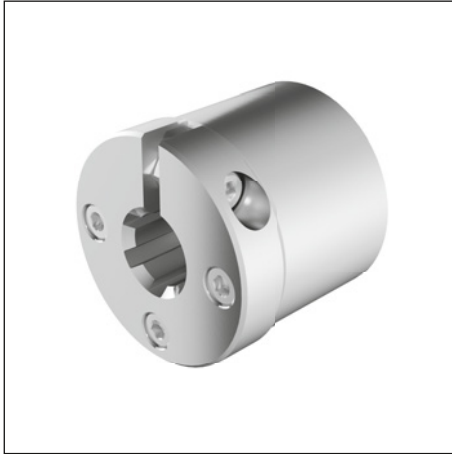


Order Code

Description	Order Code	
		Weight
Speed Controller	CCN 0004	2.300 kg

COP 4501

Connection Hub Kit

**Application**

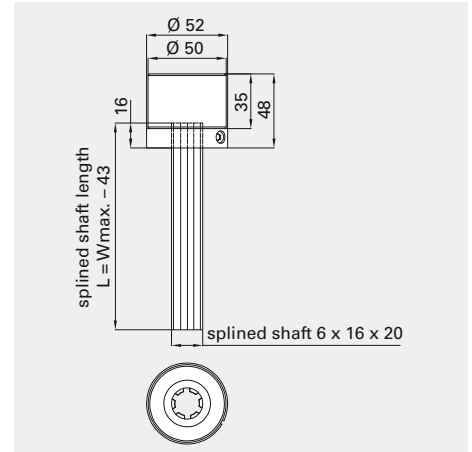
For connecting adjustable timing belt conveyors

Technical Data

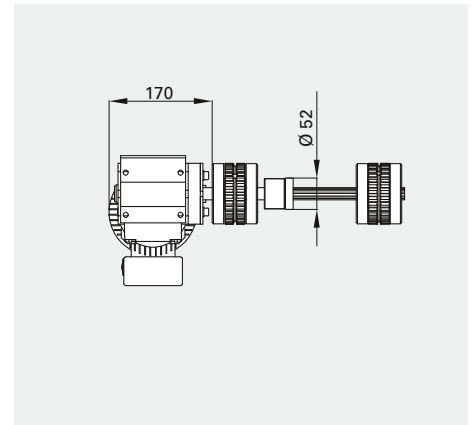
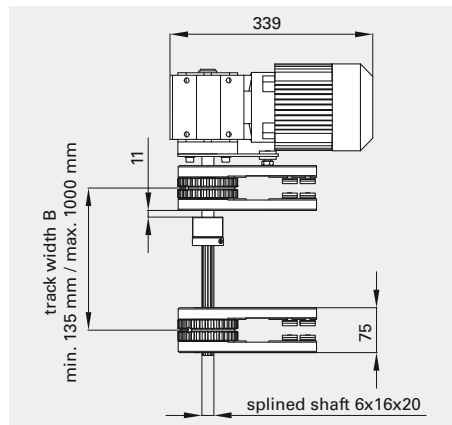
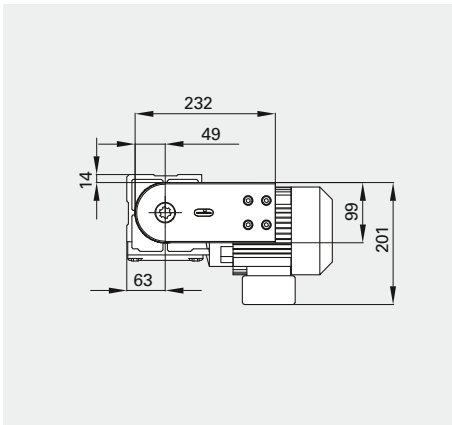
Max. torque: 60 Nm

Scope of Delivery

- 1 C8T Splined Shaft Clamping Ring
- 1 C8T Connection Hub
- 1 Expanding Coupling LIN 5246
- 3 Screws IBM M05x016



Adjustable Drive Dimensions

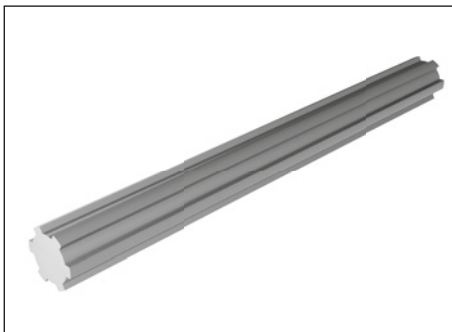


Order Code

Description	Order Code	Weight
Connection Hub Kit	COP 4501	0.550 kg

COL 8500

Splined Shaft

**Application**

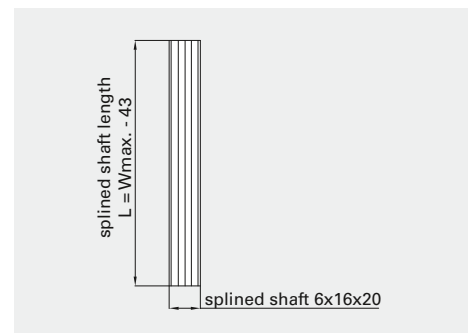
For connecting adjustable timing belt conveyors

Technical Data

Max. torque: 60 Nm

Scope of Delivery

- 1 Splined Shaft, DIN-ISO 14 - 6x16x20



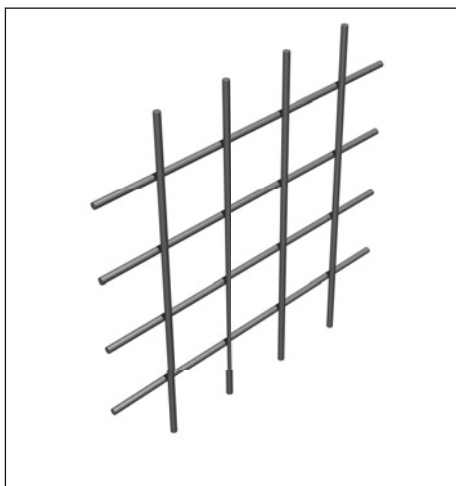
Order Code

Description	Order Code ¹⁾	Weight
Splined Shaft	Length COL 8500 SNN _ _ _ _	1.930 kg/m

1) Please complete the order code by adding the desired length
Diagram dimensions in mm

PAN _ _ _ _

Weld Mesh

**Application**

Used for Safety Fencing

Fastening:

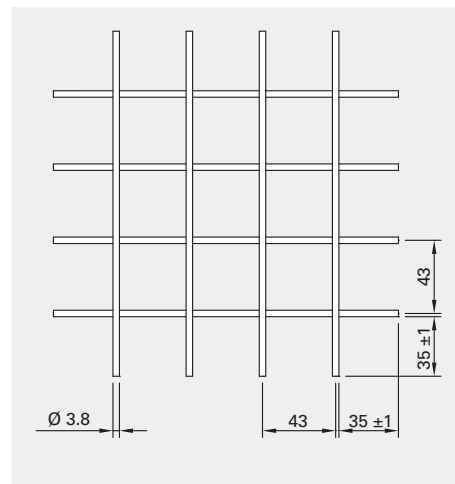
- Weld Mesh Clip SSP 4520
- Safety Fence Mesh Retainer SSP 4515

Technical Data

Material: galvanized steel

Design tip:

Standard widths and lengths offer an outstanding price/performance ratio and quick delivery.



Order Code

Description	Order Code ¹⁾			Weight
	Width	Type	Length	
Weld Mesh, 40x40x4 mm standard	PAN 0461	S4N	1966	3.952 kg
Weld Mesh, 40x40x4 mm standard	PAN 0719	S4N	1966	6.163 kg
Weld Mesh, 40x40x4 mm standard	PAN 0977	S4N	1966	8.375 kg
Weld Mesh, 40x40x4 mm standard	PAN 1450	S4N	1966	12.429 kg
Weld Mesh, 40x40x4 mm	PAN _ _ _ _	S4N	_ _ _ _	4.36 kg/m ²

PAN _ _ _ _

Panels

**Application**

Used for guarding

Fastening:

- Clamping Device PIN 4521
- Cover/Insert Extrusion
CAL 4500, CAL 4504, CAL 4510
- Panel Profile CAL 4515, CAL 4517,
- Corner Piece CAN 4501, CAN 4503

Technical Data

Material: polycarbonate glass or expanded PVC sheets, grey

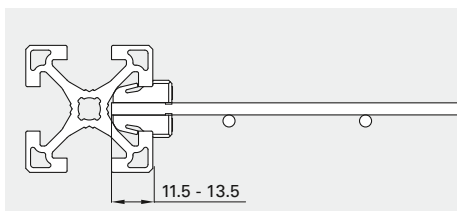
Order Code

Description	Strength	Order Code ¹⁾			Weight/m ²
		Width	Type	Length	
Clear Polycarbonate Glass	4 mm	PAN _ _ _ _	P4N	_ _ _ _	4.800 kg
Clear Polycarbonate Glass	5 mm	PAN _ _ _ _	P5N	_ _ _ _	6.000 kg
Clear Polycarbonate Glass	6 mm	PAN _ _ _ _	P6N	_ _ _ _	7.200 kg
Tinted Polycarbonate Glass	4 mm	PAN _ _ _ _	Q4N	_ _ _ _	4.800 kg
Tinted Polycarbonate Glass	5 mm	PAN _ _ _ _	Q5N	_ _ _ _	6.000 kg
Tinted Polycarbonate Glass	6 mm	PAN _ _ _ _	Q6N	_ _ _ _	7.200 kg
Expanded PVC Panel, grey, similar to RAL 7004	5 mm	PAN _ _ _ _	G5N	_ _ _ _	3.250 kg

1) Please complete the order code by adding the desired width and length
Diagram dimensions in mm

SSP 4520

Weld Mesh Clip

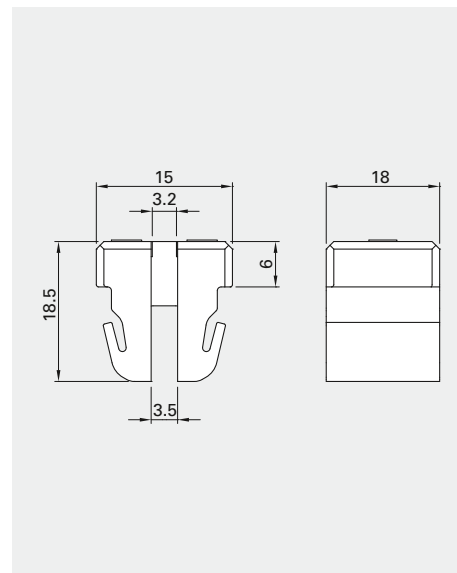
**Application**

For form-located integration of Weld Mesh panels into an extrusion frame

Technical Data

Material: PA6 V0

Color: RAL 7004 (signal grey)

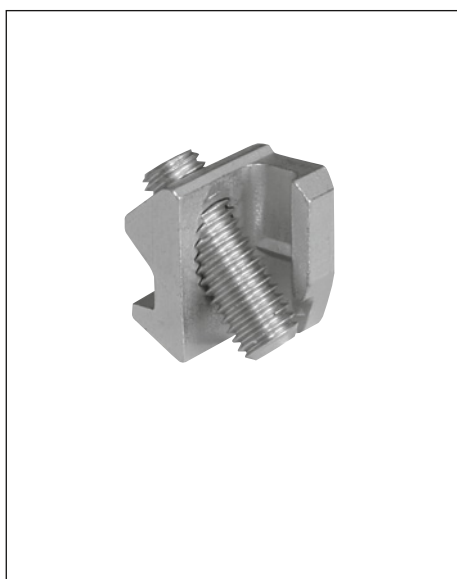


Order Code

Description	Order Code	Weight
Weld Mesh Clip	SSP 4520	0.005 kg

SSP 4515

Mesh Retainer Kit



Transfer resistance per conductive connection: 0.4 mΩ

Application

For form-located integration of mesh into extrusion frame

- Electrically conductive connection between mesh and extrusion frame
- can be used with non-standard spacing

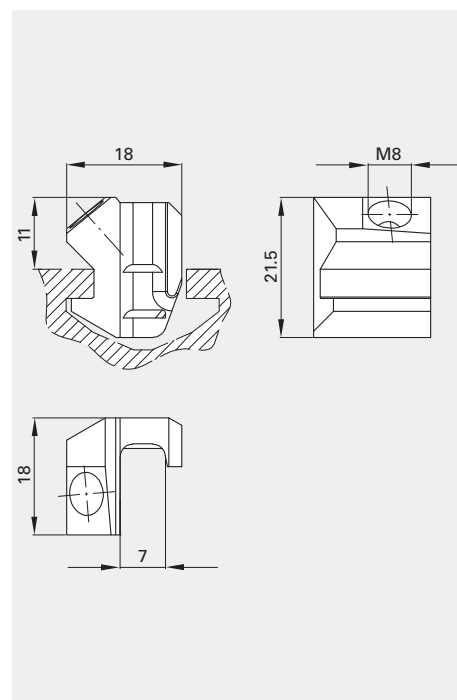
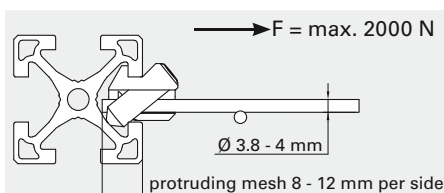
Technical Data

Material: steel

Scope of Delivery

1 Mesh Retainer SSP 4514

1 Set Screw GST M08x025 (waxed)



Order Code

Description	Order Code	Weight
Mesh Retainer Kit	SSP 4515	0.025 kg

Diagram dimensions in mm

PIN 452_

Clamping Device



Panel size = inside width minus 15 mm

Application

For attaching panels to extrusions, usable with 40 mm and 50 mm series extrusions

- Panels do not need to be drilled
- High retention force

Technical Data

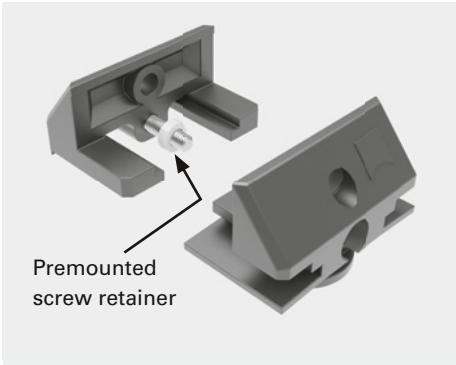
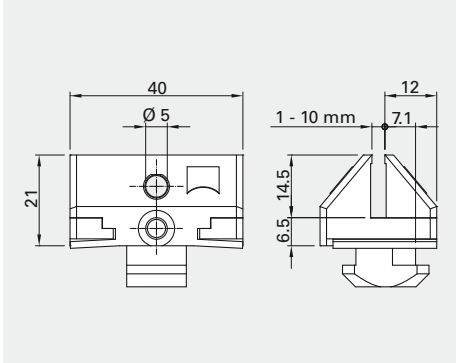
Material: PA6, black, galvanized steel
Load: up to 250 N, perpendicular to slot
Centerline: 1 - 10 mm
Protection against inadvertent movement of panels through pretensioning of clamps

Retention Force

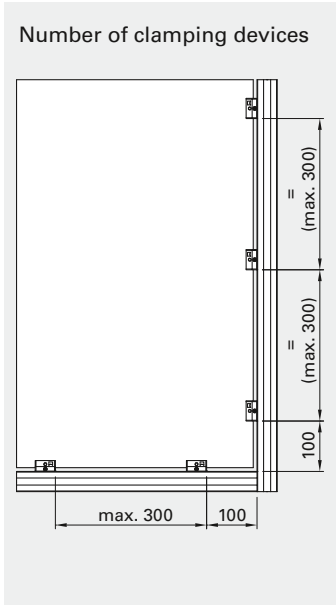
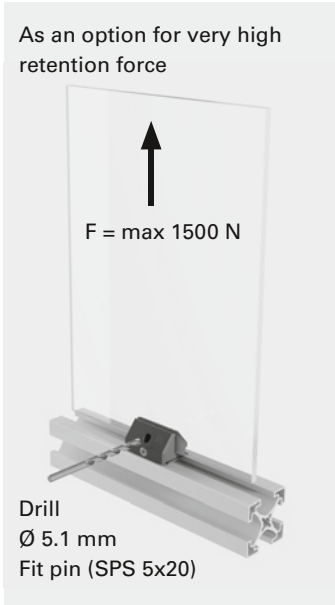
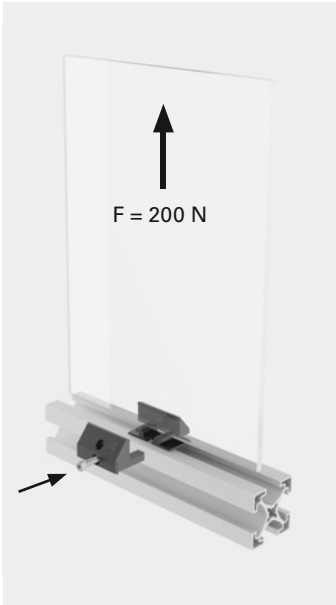
Without pin: 200 N
With pin (SPS 5x20): 1500 N (polycarbonate glass)

Scope of Delivery

1 PIN Clamping Device Base Part
1 PIN Clamping Device Sliding Part
1 screw IBS M04x25
1 Screw Retainer



Assembly



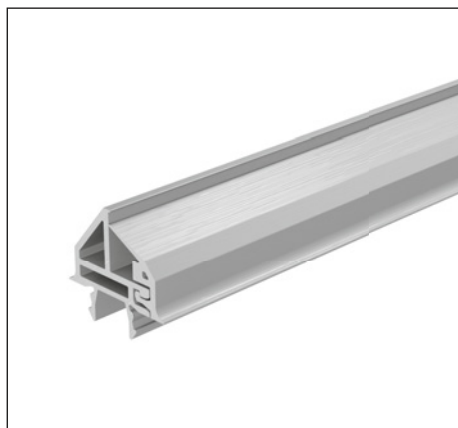
Order Code

Description		Order Code	Weight
Clamping Device Kit		PIN 4521	0.021 kg
Pin		SPS 5x20	0.002 kg

1) Please complete the order code by adding the desired length
Diagram dimensions in mm

CAL 451_

Panel Profile

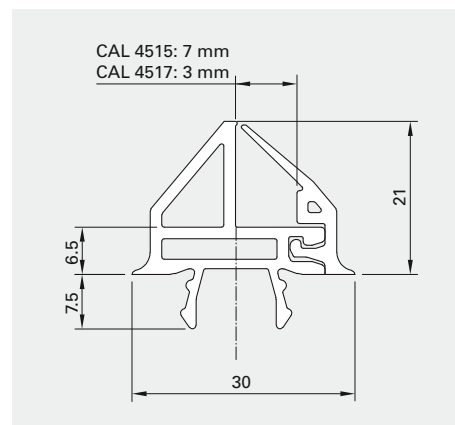
**Application**

For fastening of panels between
1 - 3 mm and 4 - 6 mm thick, also
suitable for later installation

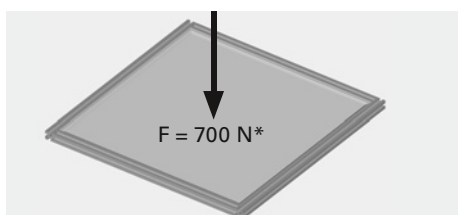
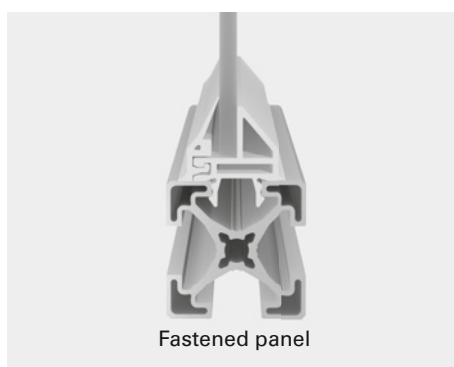
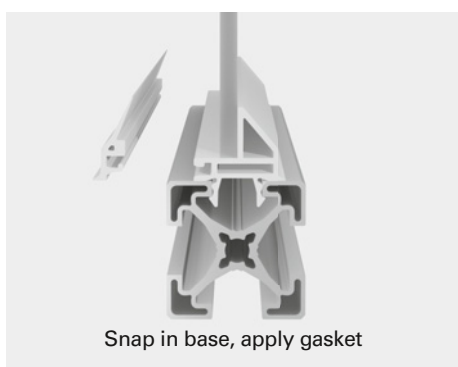
- Adequate protection against dust, water spray and noise
- Appealing design

Technical Data

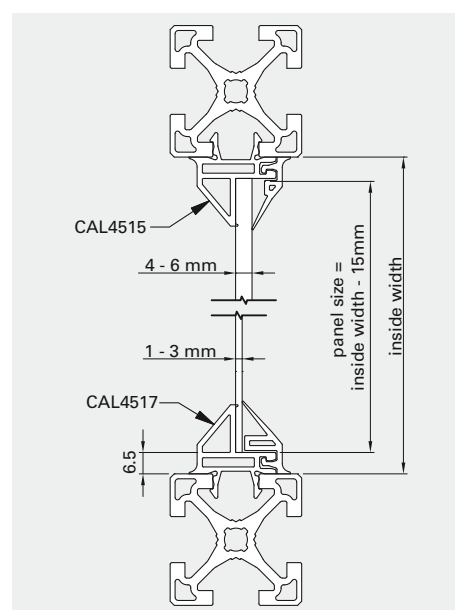
Material: impact-resistant PVC with
soft lip, grey, UV-resistant, silicone-free
Temperature ranges: -10°C to +60°C
Stock length: 3000 mm



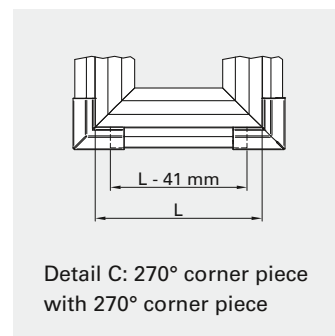
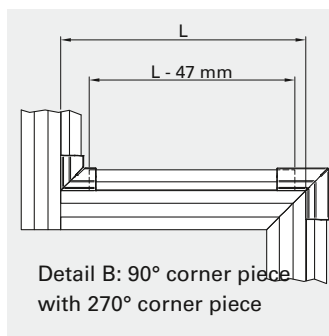
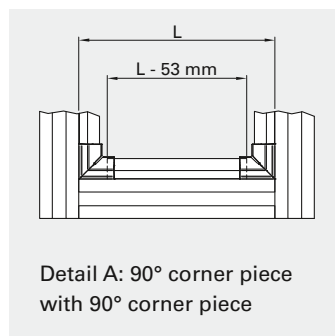
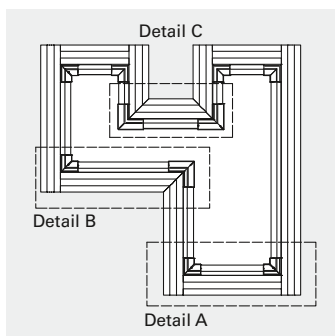
Assembly Instructions

***Static load capacity**

for 1m² polycarbonate glass 5 mm
thick



Length Calculation

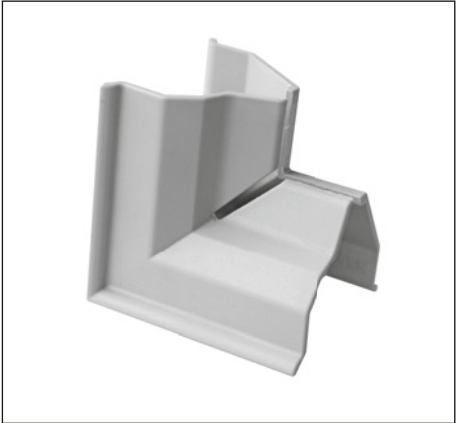


Order Code

Description	Order Code ¹⁾	
	Length	Weight/Meter
Panel Profile, 4 - 6 mm, cut to length	CAL 4515 SNN ____	0.28 kg
Panel Profile, 4 - 6 mm, stock length: 3000 mm	CAL 4515 NNN 3000	0.28 kg
Panel Profile, 4 - 6 mm, 25 rods, stock length: 3000 mm	CAL 4515 PAC 0025	0.28 kg
Panel Profile, 1 - 3 mm, cut to length	CAL 4517 SNN ____	0.28 kg
Panel Profile, 1 - 3 mm, stock length: 3000 mm	CAL 4517 NNN 3000	0.28 kg
Panel Profile, 1 - 3 mm, 25 rods, stock length: 3000 mm	CAL 4517 PAC 0025	0.28 kg

CAN 4501

90° Corner Piece

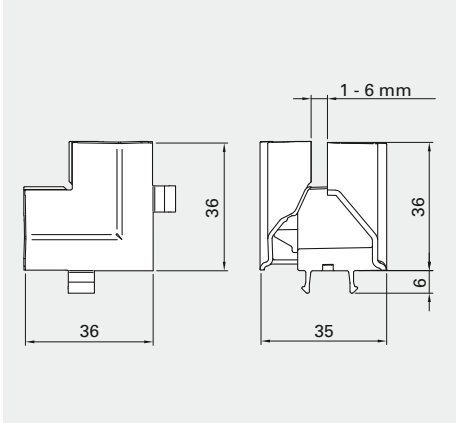


Application
Used as 90° corner trim for panel profiles CAL 4515 and CAL 4517

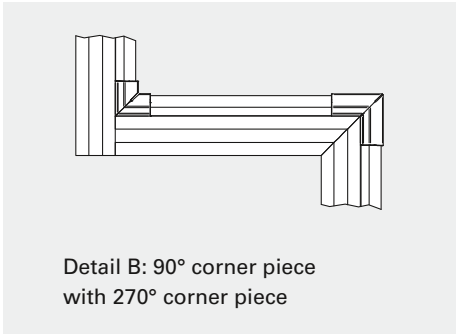
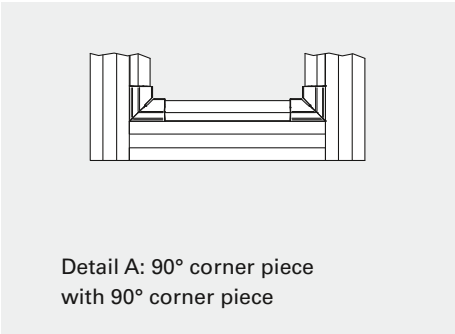
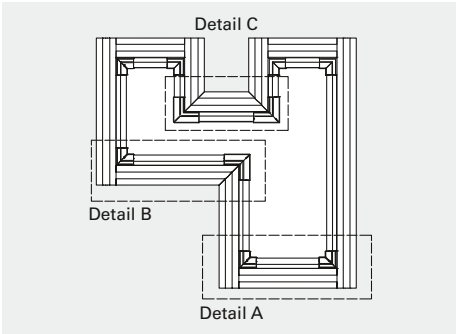
Technical Data
Material: POM, UV-resistant, silicone-free

Temperature Range: -10 °C to +60 °C

Scope of Delivery
1 90° Corner Piece Base Part
1 90° Corner Piece Top Part



Length Calculation



Order Code

Description		Order Code	Weight
90° Corner Piece Kit		CAN 4501	0.010 kg

Diagram dimensions in mm



CAN 4503

270° Corner Piece

**Application**

Used as 270° corner trim for panel profiles CAL 4515 and CAL 4517

Technical Data

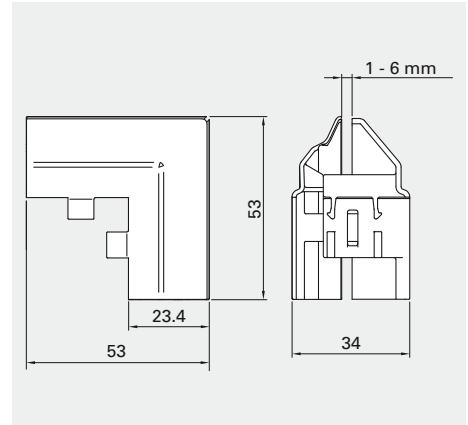
Material: PA6, UV-resistant, silicone-free

Temperature Range: -10 °C to +60 °C

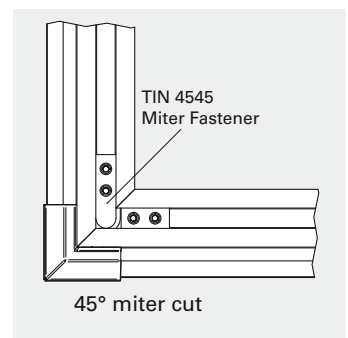
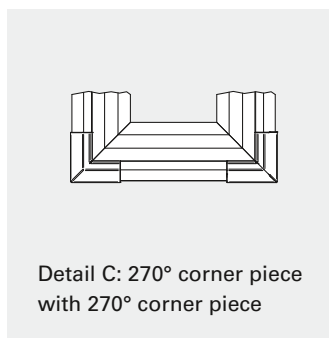
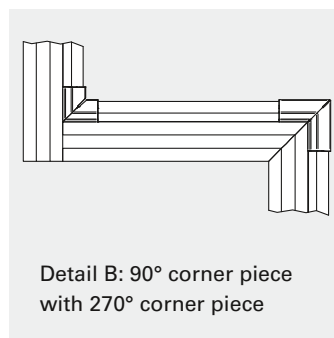
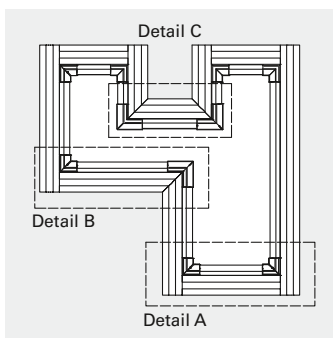
Scope of Delivery

1 270° Corner Piece Base Part

1 270° Corner Piece Top Part



Assembly Instructions



A 45° miter cut of the extrusion is necessary if the 270° corner piece is to be used.

Order Code

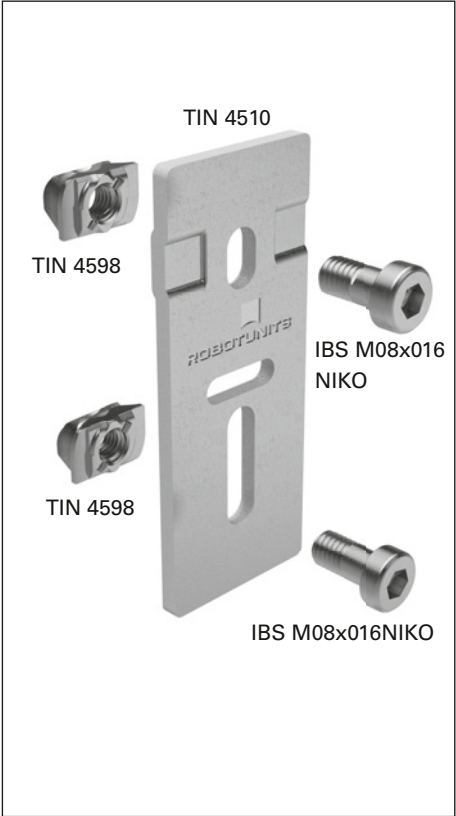
Description	Order Code	Weight
270° Corner Piece Kit	CAN 4503	0.012 kg

Diagram dimensions in mm



TIN 4511

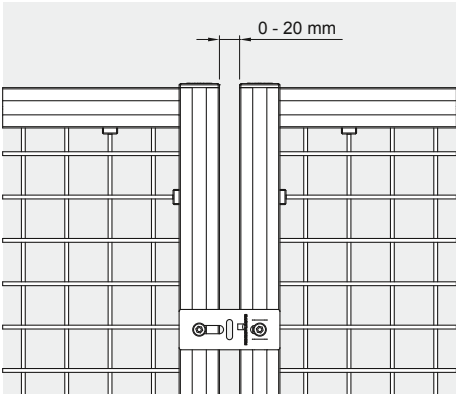
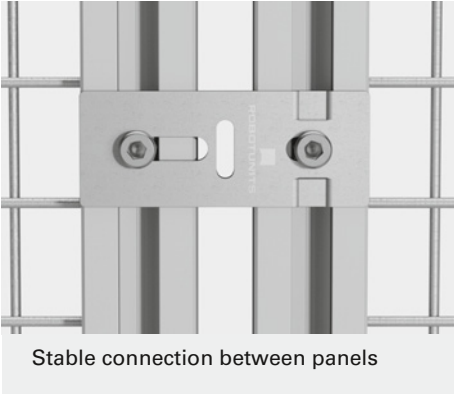
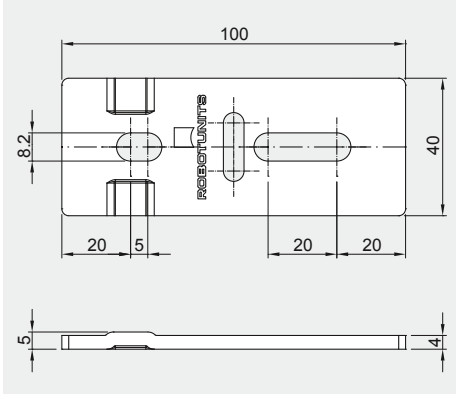
Safety Fence Fastener



Application
For variable fastening options of safety fence components

- 90° connections of extrusions and as end cap
- Strong connection between panels

Technical Data
Material: galvanized steel



Order Code

Description	Scope of Delivery			Order Code	Weight
	TIN 4510	TIN 4598	IBS M08x016NIKO		
Safety Fence Fastener Kit	1	2	2	TIN 4511 ¹⁾	0.150 kg
Safety Fence Fastener Kit	1	2	2	TIN 4511CP ²⁾	0.150 kg

1) Packaged in Kit
2) Packaged by type, available for an order quantity of 100 or more
Diagram dimensions in mm



TIN 4521

90° Safety Fence Fastener



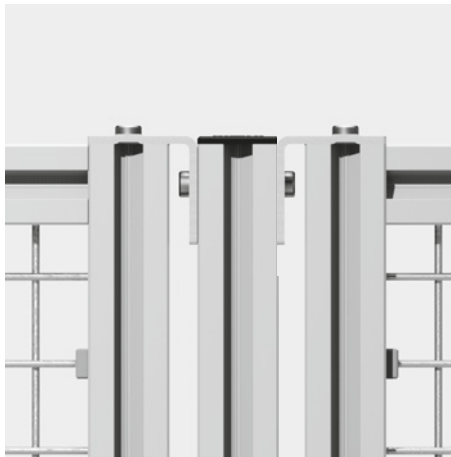
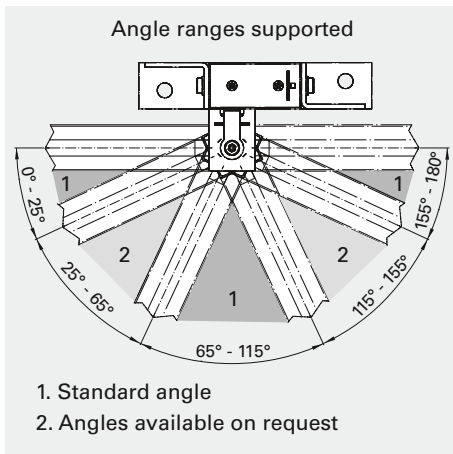
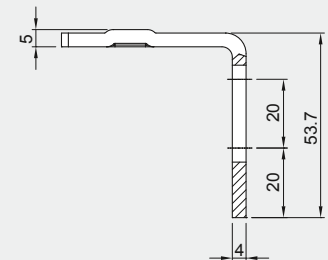
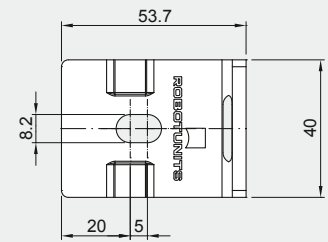
Application

For variable fastening options of safety fence components

- 90° connections of extrusions and as end cap
- Strong connection of panels
- Corner brackets from 90° to 180° pivoting

Technical Data

Material: galvanized steel



Order Code

Description	Scope of Delivery			Order Code	Weight
	TIN 4520	TIN 4598	IBS M08x016NIKO		
90° Safety Fence Fastener Kit	1	2	2	TIN 4521 ¹⁾	0.150 kg
90° Safety Fence Fastener Kit	1	2	2	TIN 4521CP ²⁾	0.150 kg

1) Packaged in Kit

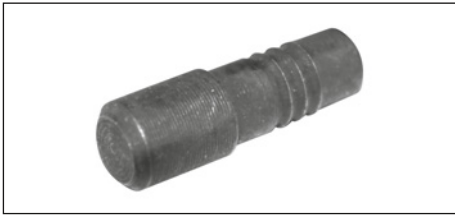
2) Packaged by type, available for an order quantity of 100 or more

Diagram dimensions in mm



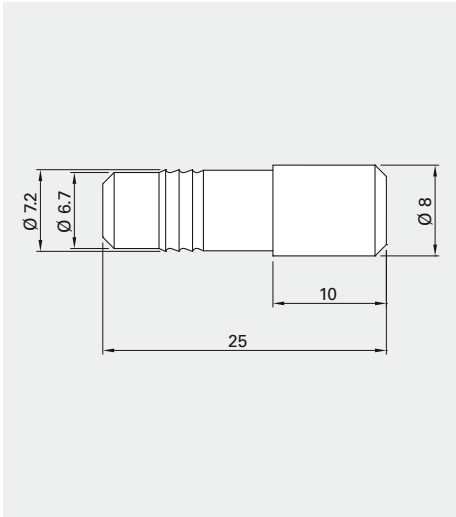
SSP 4900

Bolts



Application
For mounting Allround Panels

Technical Data
Material: nitrated steel



Order Code

Description	Order Code	Weight
Bolt	SSP 4900	0.010 kg

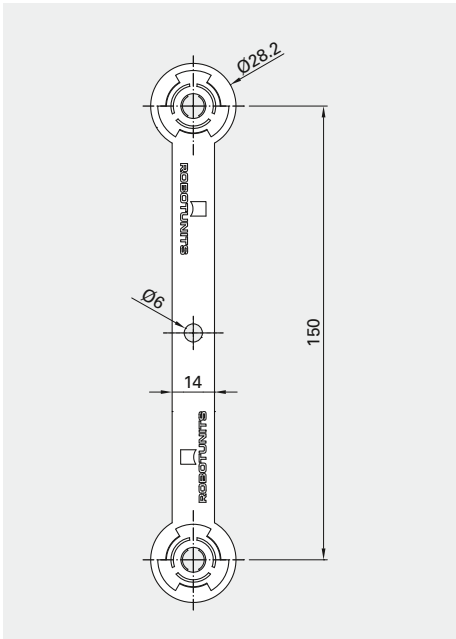
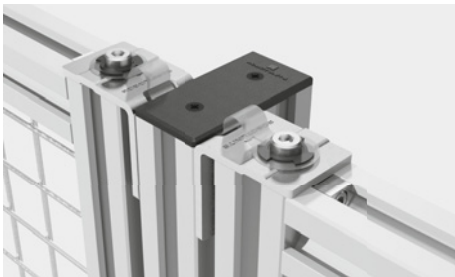
SSP 5500

Screw Retainer



Application
For securing M8 retaining screws
(e.g. for Allround Panel)

Technical Data
Material: PVC and PA



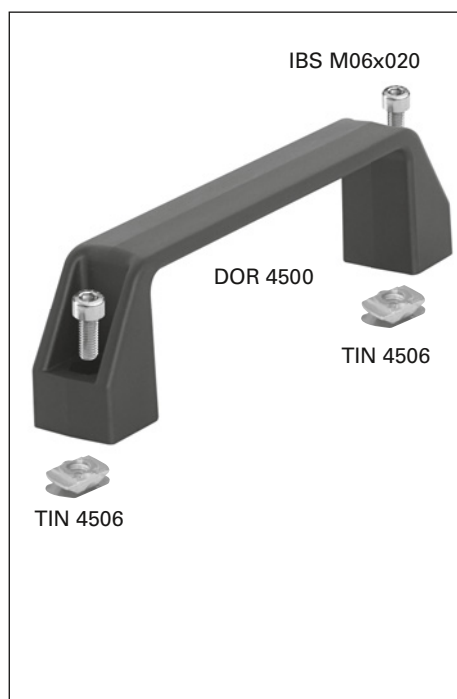
Order Code

Description	Order Code	Weight
Screw Retainer	SSP 5500	0.001 kg

Diagram dimensions in mm

DOR 4501

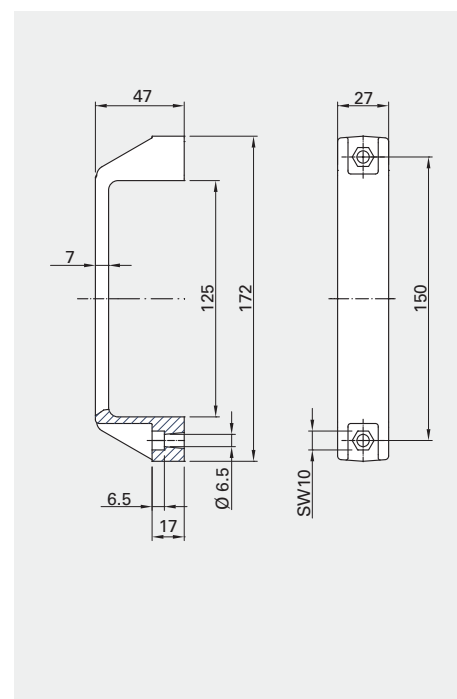
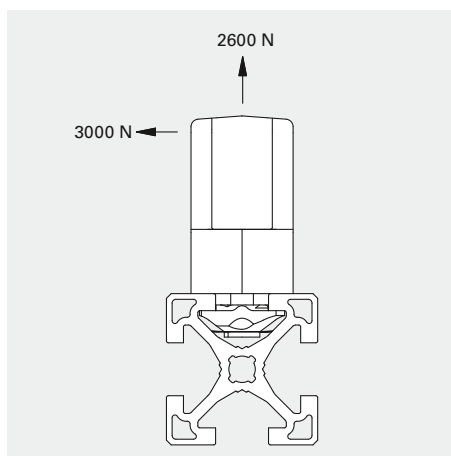
Handle

**Application**

For use with doors, panels, carts etc.

Technical Data

Material: PA/GF composite, galvanized steel

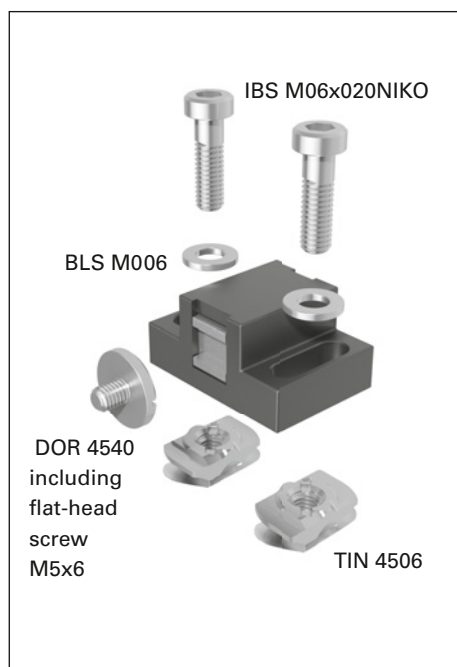


Order Code

Description	Scope of Delivery			Order Code	Weight
	DOR 4500	TIN 4506	IBS M06x020		
Handle Kit	1	2	2	DOR 4501	0.100 kg

DOR 4541

Magnet Holder

**Application**

Closing device for frameless doors

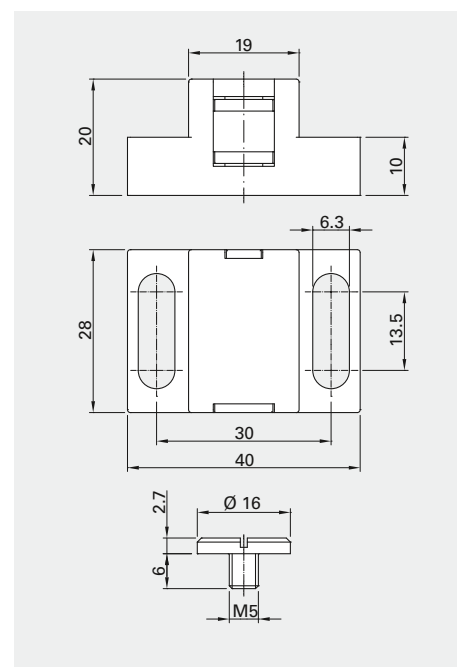
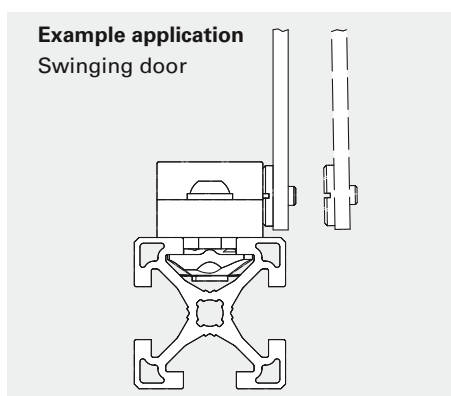
Technical Data

Material: POM composite, black, galvanized steel

Retention Force: front 20 N, back 8 N

Example application

Swinging door



Order Code

Description	Scope of Delivery				Order Code	Weight
	DOR 4540	TIN 4506	IBS M06x020NIKO	BLS M006		
Magnet Holder Kit	1	2	2	2	DOR 4541	0.075 kg

Diagram dimensions in mm

DOR 4551

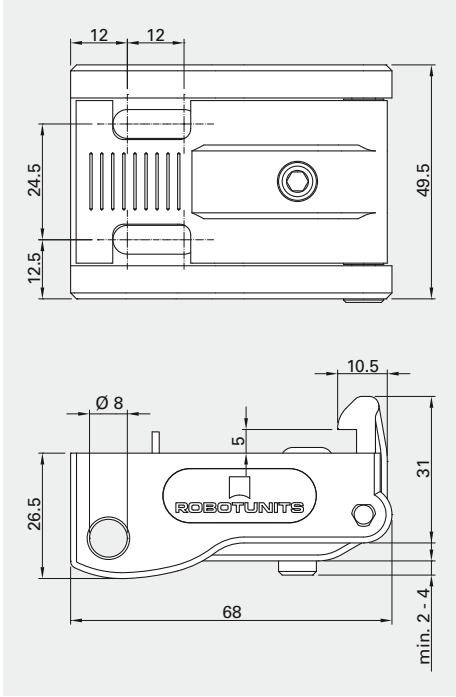
Door Latch



Application
To latch door panels directly to door posts. Door can only be opened by pushing the door latch. Suitable for 40 mm and 50 mm series extrusions.

Technical Data
Material: PA6 30 GF, black, galvanized steel

For extra security.



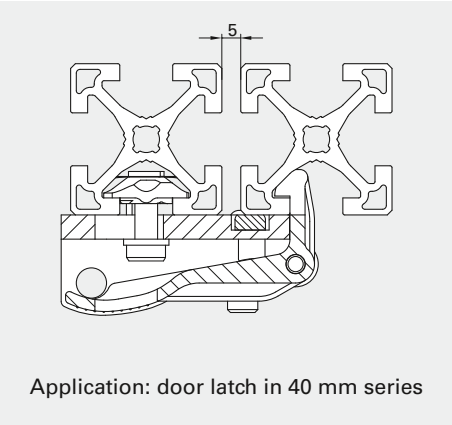
Secure: Push latch to open door.



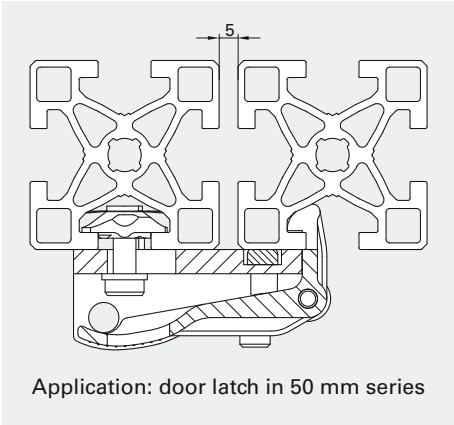
Door latch can be **secured with a padlock against inadvertent opening**. Lock bolt diameter: 7 mm



Door latch can be **secured with a padlock against inadvertent closing**. Lock bolt diameter: 7 mm



Application: door latch in 40 mm series



Application: door latch in 50 mm series



Adjustable pre-tension for optimal retention force. Set screw must always protrude by at least 2 mm.

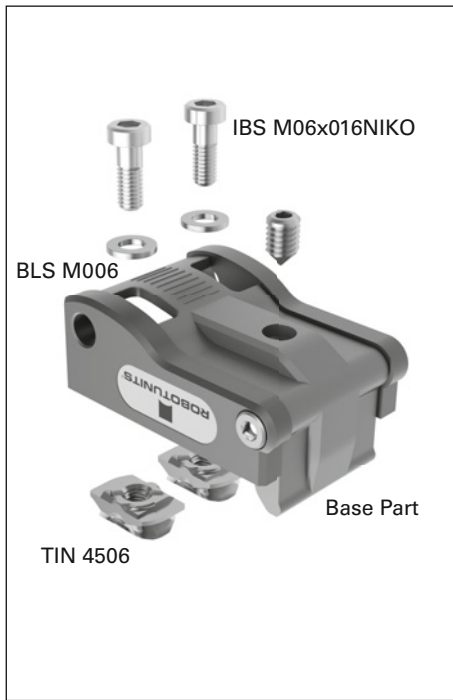
Order Code

Description	Scope of Delivery				Order Code	Weight
	Base Part	TIN 4506	IBS M06x016NIKO	BLS M006		
Door Latch Kit	1	2	2	2	DOR 4551	0.100 kg

Diagram dimensions in mm

DOR 4553

Door Catch

**Application**

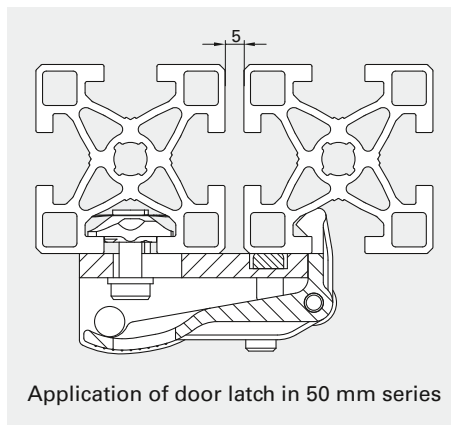
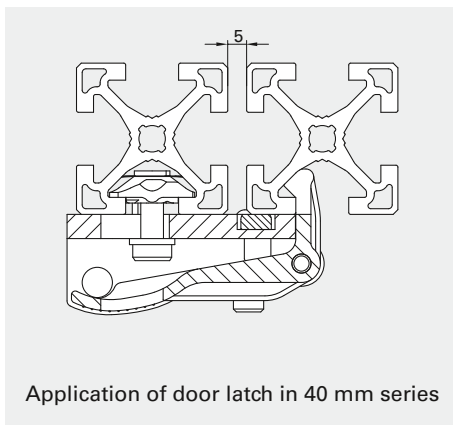
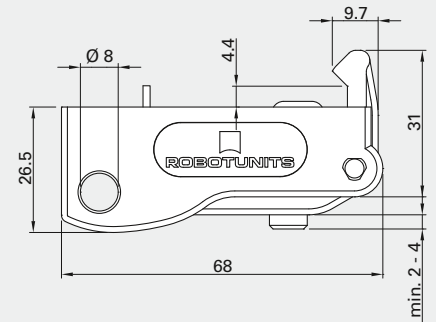
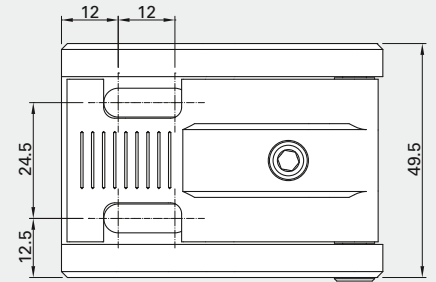
To latch door panels directly to door posts. Door can be opened by pulling door handle. Suitable for 40 mm and 50 mm series extrusions.

Technical Data

Material: PA6 30 GF, black, galvanized steel



Pull to release and open.



Order Code

Description	Scope of Delivery				Order Code	Weight
	Base Part	TIN 4506	IBS M06x016NIKO	BLS M006		
Door Catch Kit	1	2	2	2	DOR 4553	0.100 kg

Diagram dimensions in mm

DOR 4555

Door Stop

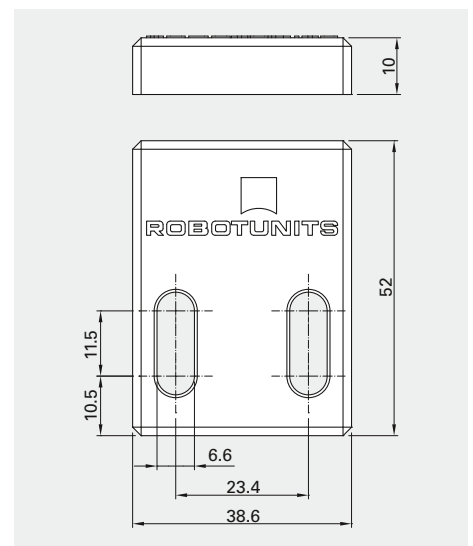


Application

Used as a fixed door stop

Technical Data

Material: PA6 30 GK, galvanized steel



Order Code

Description	Scope of Delivery				Order Code	Weight
	DOR 4554	TIN 4506	IBS M06x020 NIKO	BLS M006		
Door Stop Kit	1	2	2	2	DOR 4555	0.020 kg

DOR 4557

Safety Slide

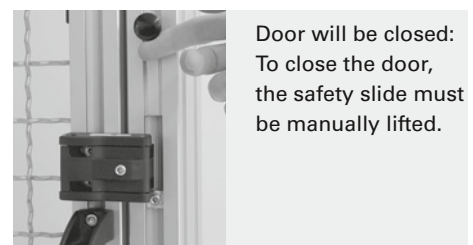
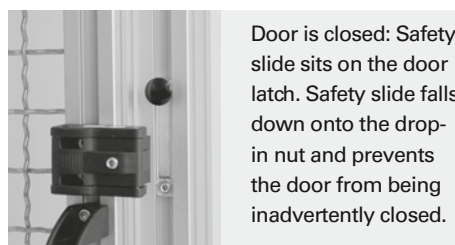
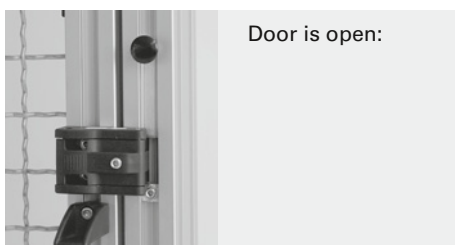
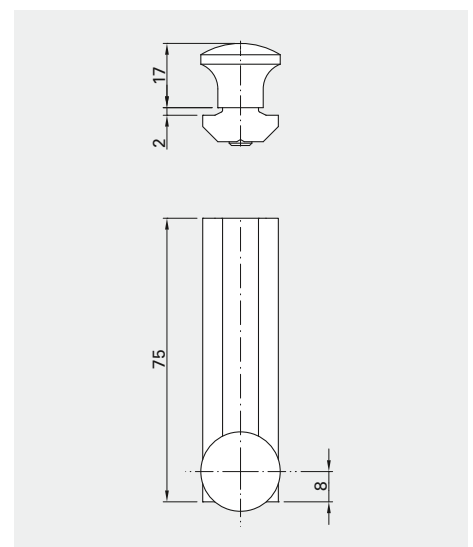


Application

Prevents inadvertent closing of doors. Suitable for 40 mm and 50 mm series extrusions.

Technical Data

Material: galvanized steel; Duroplast



Order Code

Description	Scope of Delivery			Order Code	Weight
	Base Part	TIN 4508	GST M08x012 SPI		
Safety Slide Kit	1	1	1	DOR 4557	0.090 kg

Diagram dimensions in mm

DOR 4511

Hinge



Tightening torque for M6x16
MA max 8 Nm

Application

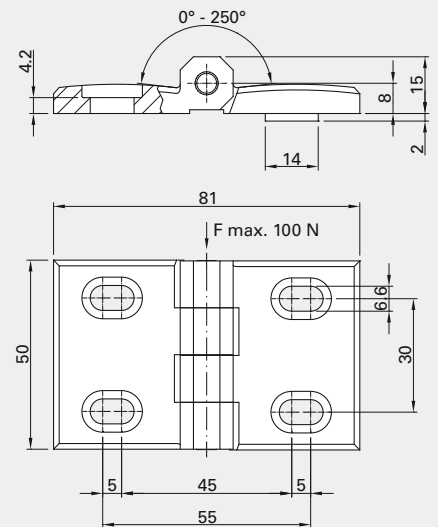
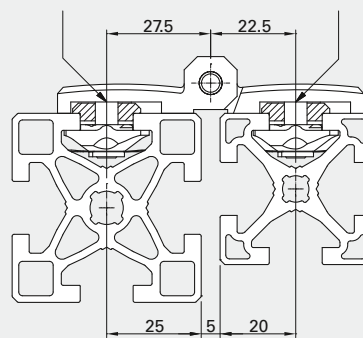
For hinged structures. Inserts allow for use with 40 mm and 50 mm series extrusions.

Technical Data

Material: GD-Zn black, coated, galvanized steel

Use with 50 mm series facing outwards

Use with 40 mm series turned towards pivot



Order Code

Description	Scope of Delivery			Order Code	Weight
	DOR 4510	TIN 4506	IBS M06x016NIKO		
Hinge Kit	1	4	4	DOR 4511	0.222 kg

Diagram dimensions in mm



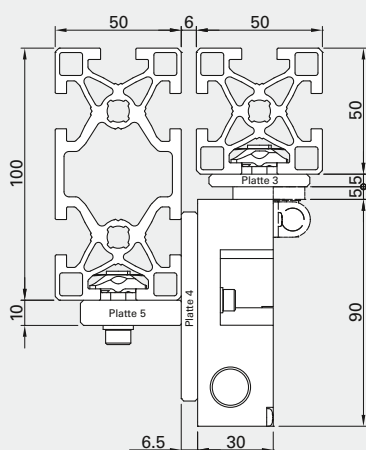


Safety interlock with actuator and ball retainer



Safety interlock with actuator

Fastening Kit B: PIL 5010 and PIL 5050



Application

Safety device for doors

Technical Data

Material: anodized aluminum, galvanized steel, fiber-glass reinforced thermoplast housing (-30 to +80°C)

Voltage:

230V/2 A,

1 x N/C contact, 1 x N/O contact

Regulations:

IEC 60947-5-1, EN 60947-5-1

DIN VDE 0660-200, BG-GS-ET-15

Scope of Delivery

DOR 4580:

1 Base Part

1 Actuator

DOR 4582:

1 Base Part

1 Actuator

1 Ball Retainer

DOR 4581 (Fastening Kit A):

1 Mounting Plate 1

1 Mounting Plate 2

4 Drop-in Nuts TIN 4506

2 Washers BLS M005

2 Screws IBS M05x014

2 Screws SKS M05x010

2 Screws SKS M06x016

2 Screws SKS M06x020

DOR 4583 (Fastening Kit B):

1 Mounting Plate 3

1 Mounting Plate 4

1 Mounting Plate 5

4 Drop-in Nuts TIN 4506

2 Washers BLS M005

2 Washers BLS M006

2 Screws SKS M05x010

2 Screws IBS M05x016

4 Screws SKS M06x016

2 Screws IBS M06x020

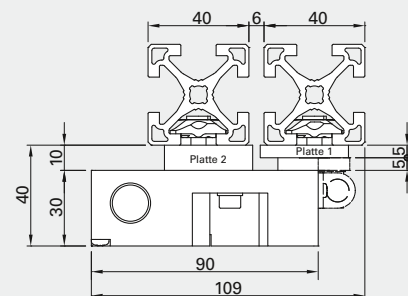
Additional attachment options for

Fastening Kit B DOR 4583:

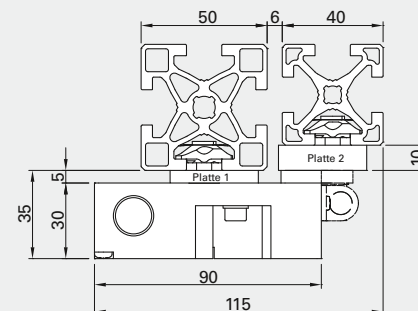
PIL 40 x 40 with PIL 50 x 100

PIL 50 x 50 with PIL 40 x 80

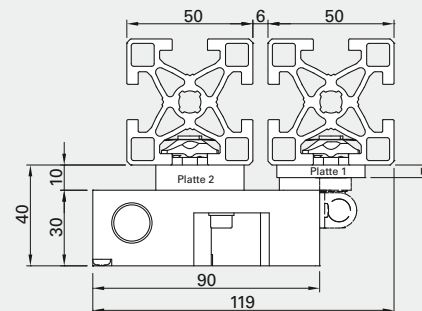
Fastening Kit A: PIL 4040 and PIL 4040



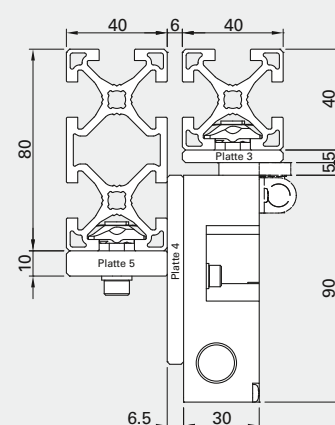
Fastening Kit A: PIL 5050 and PIL 4040



Fastening Kit A: PIL 5050 and PIL 5050



Fastening Kit B: PIL 4080 and PIL 4040

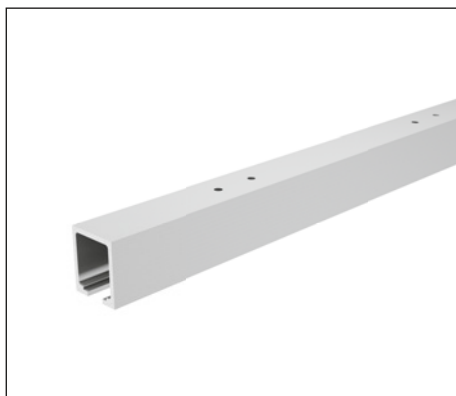


Order Code

Description	Order Code	Weight
Safety Interlock with Actuator	DOR 4580	0.125 kg
Safety Interlock with Actuator and Ball Retainer	DOR 4582	0.160 kg
Fastening Kit A	DOR 4581	0.155 kg
Fastening Kit B	DOR 4583	0.230 kg

DOL 4034

Guiderail

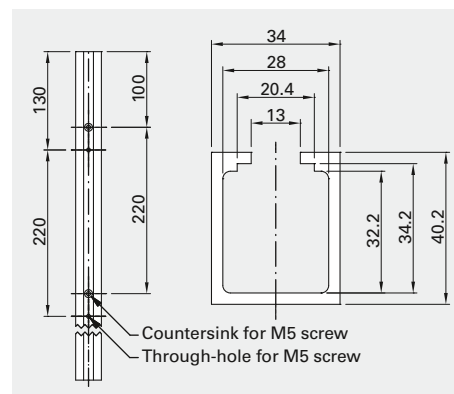
**Application**

For sliding doors

Technical Data

Material: clear, anodized aluminum

Hole spacing = 220 mm
Max. load = 80 kg

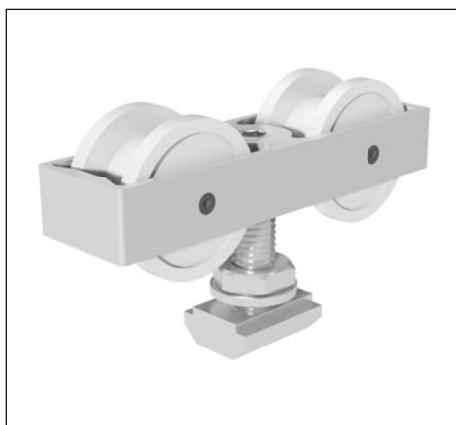


Order Code

Description	Order Code ¹⁾	
	Length	Weight/Meter
Guiderail	DOL 4034 SNN _ _ _ _	0.996 kg
Guiderail of maximum standard length (approx. 6000 mm)	DOL 4034 NNN 6000	0.996 kg

DOR 4031

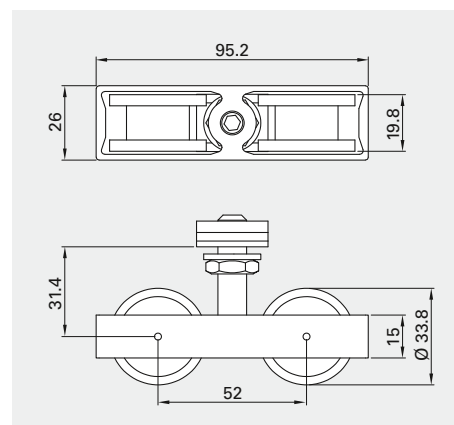
Roller

**Application**

For sliding doors

Technical Data

Material: clear, anodized aluminum, white PA6 composite, galvanized steel



Order Code

Description	Scope of Delivery					Order Code	Weight
	DOR 4030	TIN 6010	SKM M10FLA	GST M10x050	BLS M010		
Roller Set Kit	1	1	1	1	1	DOR 4031	0.140 kg

1) Please complete the order code by adding the desired length
Diagram dimensions in mm



DOR 4032

Sliding Door Stop

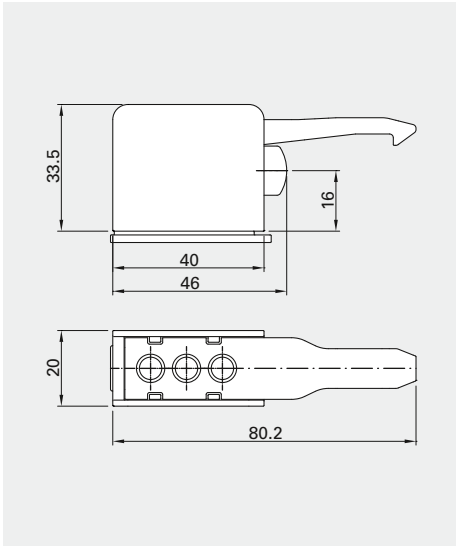
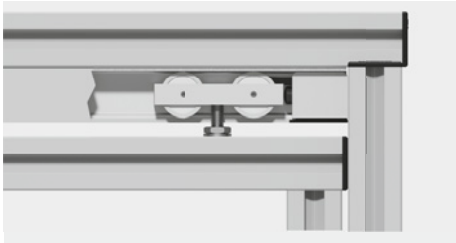


Application

Mechanical stop and retainer for sliding door

Technical Data

Material: clear, anodized aluminum, galvanized steel, rubber

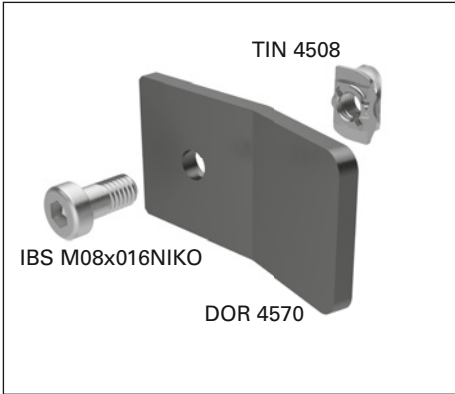


Order Code

Description	Order Code	Weight
Sliding Door Stop	DOR 4032	0.126 kg

DOR 4571

Centering Guide

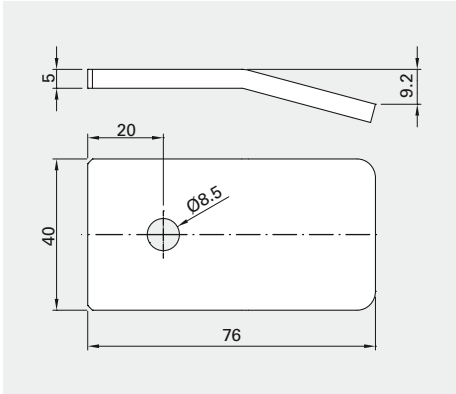


Application

For sliding doors

Technical Data

Material: powder-coated steel

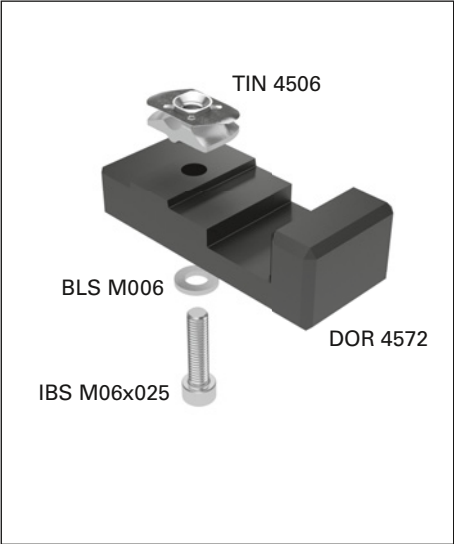


Order Code

Description	Scope of Delivery			Order Code	Weight
	DOR 4570	TIN 4508	IBS M08x016NIKO		
Centering Guide Kit	1	1	1	DOR 4571	0.100 kg

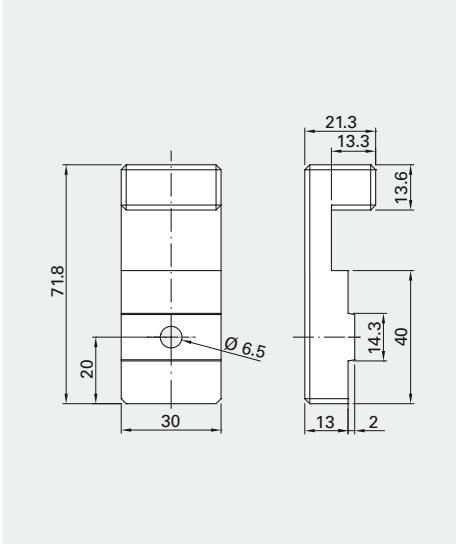
DOR 4573

Slider



Application
For sliding doors

Technical Data
Material: black POM composite



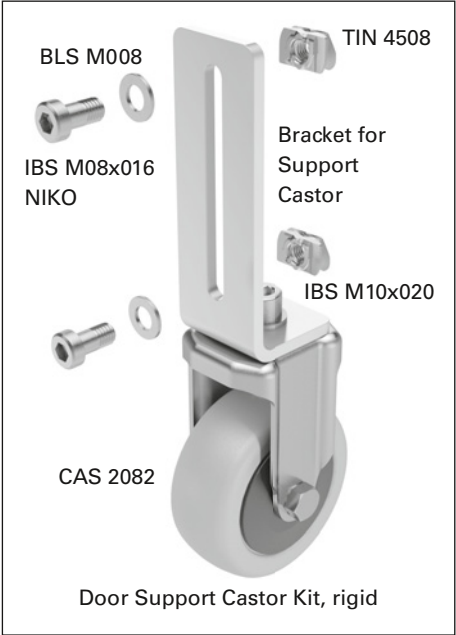
Order Code

Description	Scope of Delivery				Order Code	Weight
	DOR 4572	TIN 4506	IBS M06x025	BLS M006	DOR 4573	
Slider Kit	1	1	1	1		0.060 kg



DOR 456_

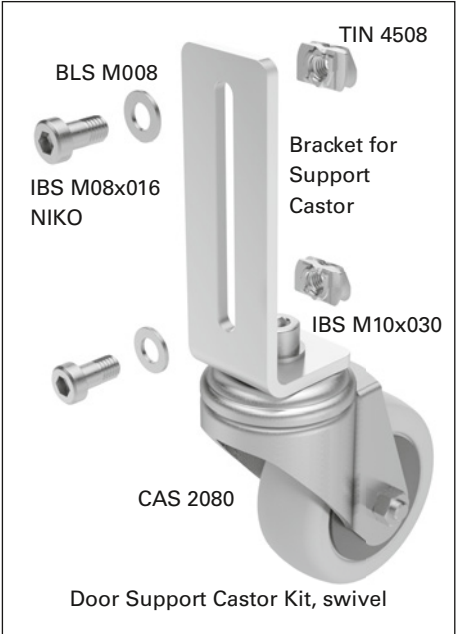
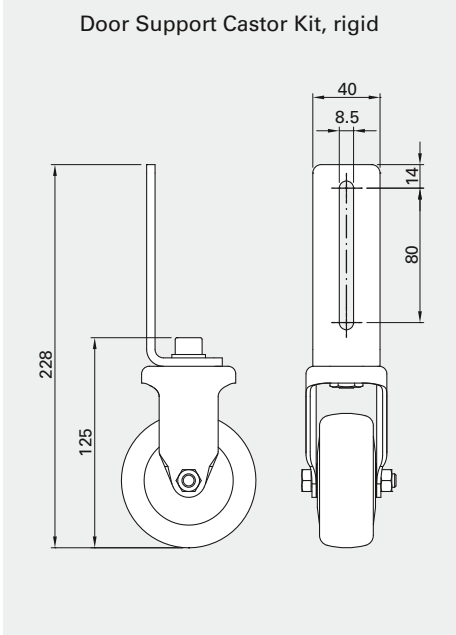
Door Support Castor



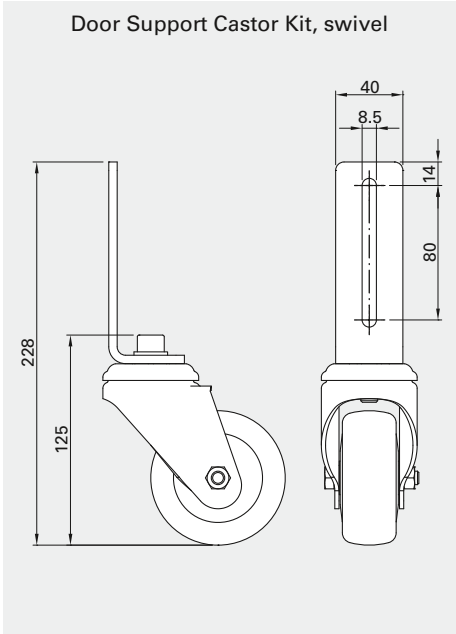
Application
Roller support for panels, doors

Technical Data
Material: clear, anodized aluminum, galvanized steel, rubber

- Scope of Delivery**
Door Support Castor Kit, rigid
DOR 4565:
- 1 Rigid Castor with Bolt Hole Fitting CAS 2082
 - 1 Bracket for Support Castor
 - 1 Screw IBS M10x020
 - 2 Washers BLS M010
 - 1 Hexagon Nut SKM M10
 - 2 Screws IBS M08x016NIKO
 - 2 Drop-in Nuts TIN 4508
 - 2 Washers BLS M008



- Door Support Castor Kit, swivel
DOR 4567:
- 1 Swivel Castor with Bolt Hole Fitting CAS 2080
 - 1 Bracket for Support Castor
 - 1 Screw IBS M10x030
 - 2 Washers BLS M010
 - 1 Hexagon Nut SKM M10
 - 2 Screws IBS M08x016NIKO
 - 2 Drop-in Nuts TIN 4508
 - 2 Washers BLS M008



Order Code

Description	Order Code	Weight
Door Support Castor Kit, rigid	DOR 4565	0.510 kg
Door Support Castor Kit, swivel	DOR 4567	0.680 kg

Diagram dimensions in mm

DOR 4561

Floor Catch

**Application**

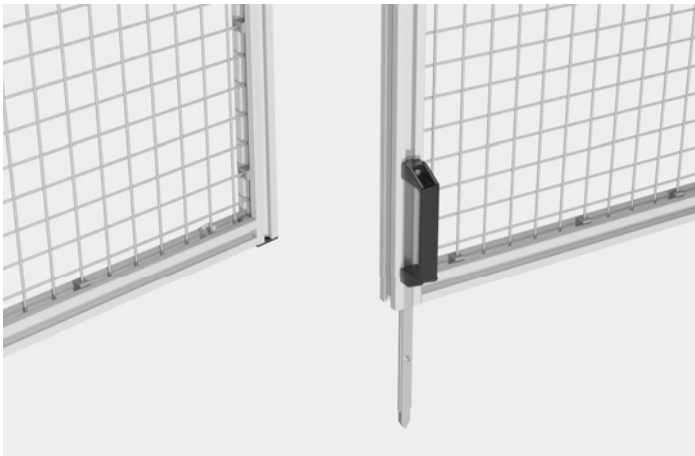
For double door

Technical Data

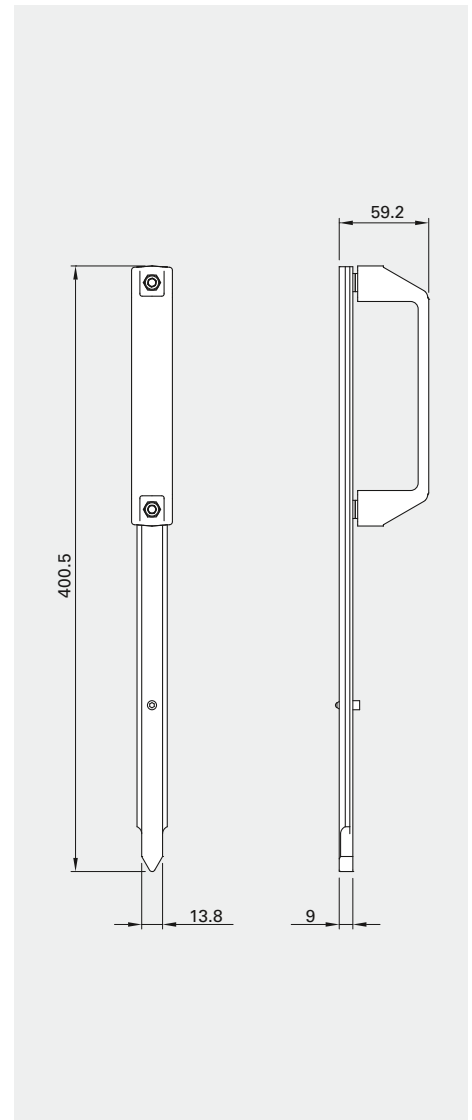
Material: galvanized steel,
PA/GF composite

Scope of Delivery

1 Floor Catch Base Part
1 Handle DOR 4500
2 Screws M06x020
4 Washers BLS M006
1 Spring-Loaded Pressure Part with
Band and Hexagon Socket-Head
GST M06x015FED



Catch latches
into recess in
floor. Bore
Ø 14 mm



Order Code

Description	Order Code	Weight	
Floor Catch Kit	DOR 4561	0.545 kg	

Diagram dimensions in mm

LIN 5400

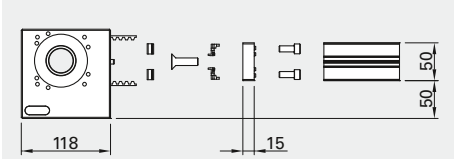
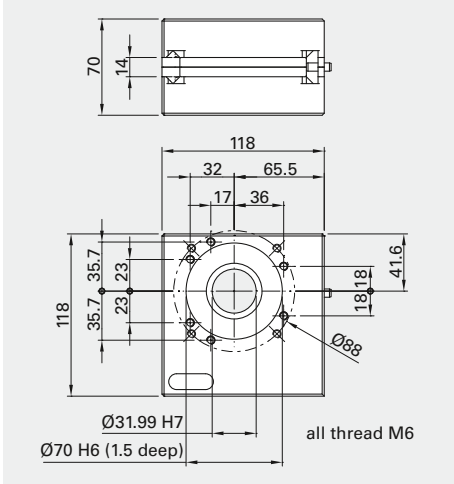
Timing Belt Pulley



Application
Drive and idler pulley for Linear Motion Unit, suitable for 50 mm series extrusions.

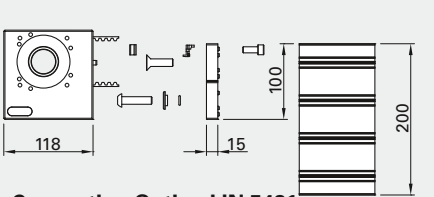
Technical Data
Material: black anodized aluminum, steel
Max. drive torque: 60 Nm
Carriage stroke per revolution: 200 mm
Pitch circle diameter: 63.66 mm

Flange plates for motor connection are available upon request.



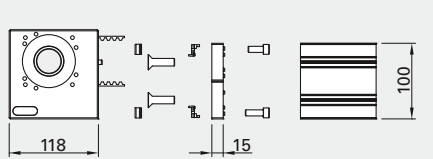
Connection Option LIN 5451
For connecting to extrusions:
50x50, 50x100 flat, 50x200 flat

- Scope of Delivery**
- 1 Timing Belt Pulley LIN 5400
 - 1 Fastener 50x50 FAS 5050
 - 2 Centering Inserts FAS 5052
 - 2 Drop-in Nuts TIN 4508
 - 2 Screws IBS M08x020
 - 1 Screw IBS M10x035



Connection Option LIN 5421
For connecting to extrusions:
50x200 upright

- Scope of Delivery**
- 1 Timing Belt Pulley LIN 5400
 - 1 Fastener 50x50 FAS 5050
 - 1 Fastener 50x50 FAS 5050, modified
 - 1 FAS 5052 centering insert
 - 1 Drop-in Nut TIN 4508
 - 1 Screw IBS M08x020
 - 1 Screw IBS M10x035
 - 1 TIN plate for Special Fastener 50 with O ring and screw LKS M10x040



Connection Option LIN 5411
For connecting to extrusions:
50x100 upright, 100x100

- Scope of Delivery**
- 1 Timing Belt Pulley LIN 5400
 - 1 Fastener 50x50 FAS 5050
 - 1 Fastener 50x50 FAS 5050, modified
 - 2 Centering Inserts FAS 5052
 - 2 Drop-in Nuts TIN 4508
 - 2 Screws IBS M08x020
 - 2 Screws SKS M10x035

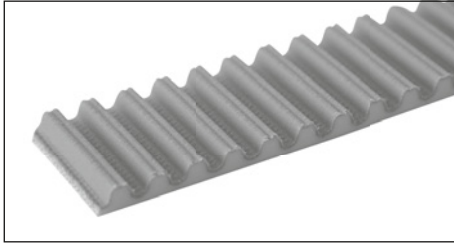
Order Code

Description	Order Code	Weight
Timing Belt Pulley	LIN 5400	1.660 kg
Timing Belt Pulley with Fastening Kit 50	LIN 5451	1.950 kg
Timing Belt Pulley with Fastening Kit 100	LIN 5411	2.000 kg
Timing Belt Pulley with Fastening Kit 200	LIN 5421	2.050 kg

Diagram dimensions in mm

LIL 3008

Timing Belt

**Timing Belt Length Calculation**

TL (Total Length), SL (Stroke Length),
L (Timing Belt Length):

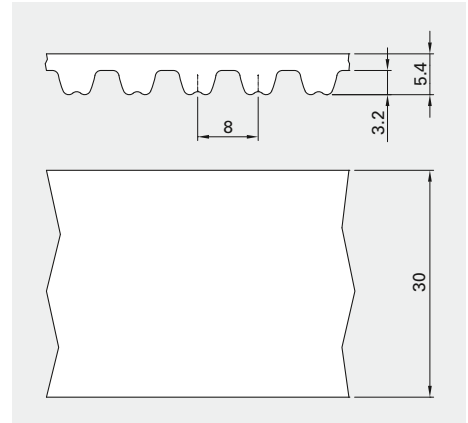
$$L = 2 \times TL - 152 \text{ or } L = 2 \times SL + 928$$

Application

Power transmission from drive to carriage.

Technical Data/Scope of Delivery

Material: PU timing belt, white,
PAZ coating on toothed side,
Max. tensile load: 2000 N
Recommended pre-tension of
timing belt: 0.1 % = approx. 500 N
pre-tension
Timing Belt designation: RPU-8M-30-PAZ



Order Code

Description
Timing Belt RPU-8M-30-PAZ, cut to length

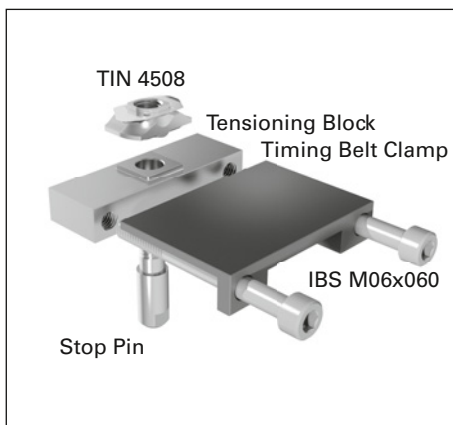
Order Code¹⁾

Length
LIL 3008 SNN ____

Weight/Meter
0.155 kg

LIN 3221

Timing Belt Clamp Kit

**Application**

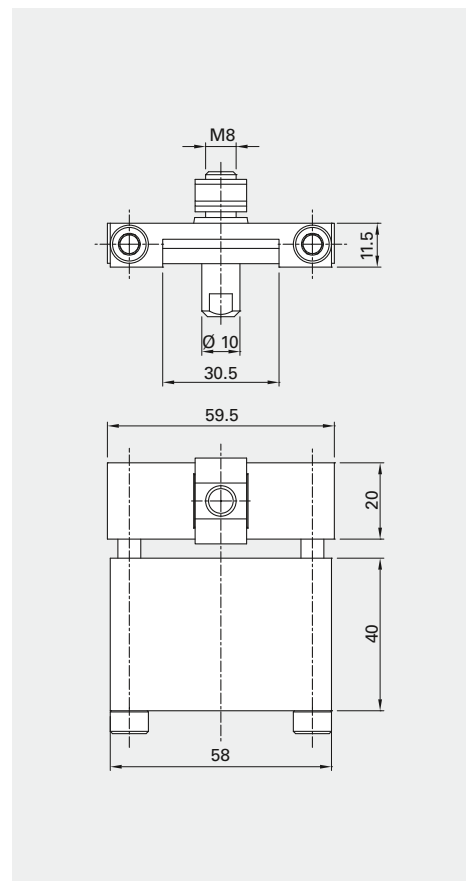
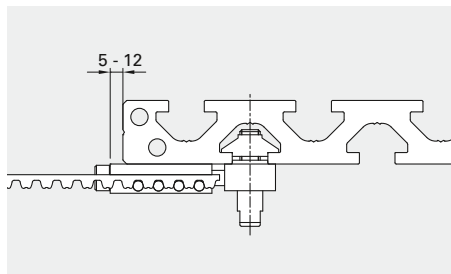
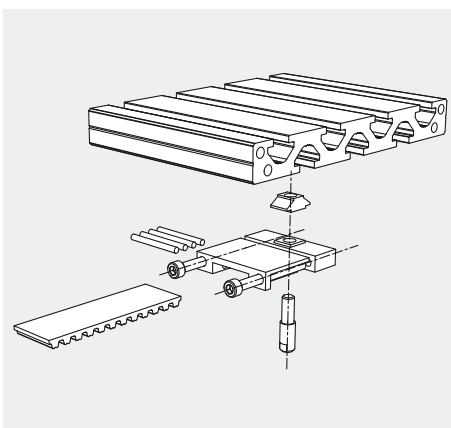
For attaching and tensioning the
timing belt

Technical Data

Material: black anodized aluminum,
stainless steel, galvanized steel
Max. tensile load: 2000 N

Scope of Delivery

1 Tensioning Block
1 Timing Belt Clamp
1 Stop Pin
4 Timing Belt Pins
2 Screws IBS M06x060
1 Drop-in Nut TIN 4508



Order Code

Description
Timing Belt Clamp Kit

Order Code

LIN 3221

Weight
0.205 kg

1) Please complete the order code by adding the desired length
Diagram dimensions in mm

LIN 500_

Single Idler



Application

Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

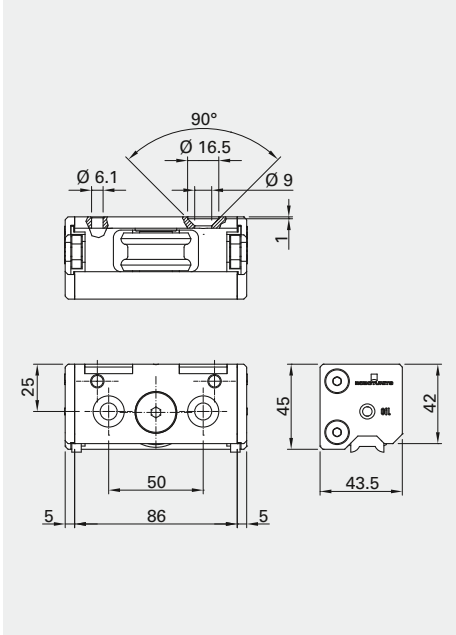
Technical Data

Material: clear or black anodized aluminum, black, tempered steel or galvanized steel, black PA6 composite, pressed felt

Bearing load capacity per single idler

Radial: max. 1500 N
Axial: max. 750 N

The carriage is adjusted using the eccentric idlers and an eccentric wrench LIN 9990.
Assembly instructions: page 167

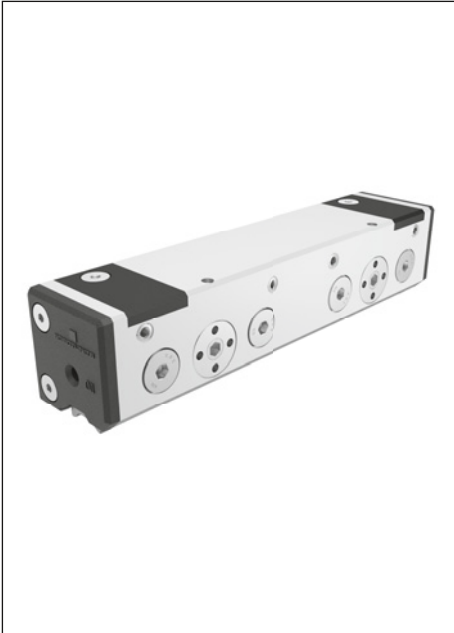


Order Code

Description	Scope of Delivery				Order Code	Weight
	LIN 5000	LIN 5002	Grooved pin	SKS M08x055		
Single Idler Kit, concentric	1		2	2	LIN 5001	0.375 kg
Single Idler Kit, eccentric		1	2	2	LIN 5003	0.375 kg

LIN 501_

Double Idler



Application

Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

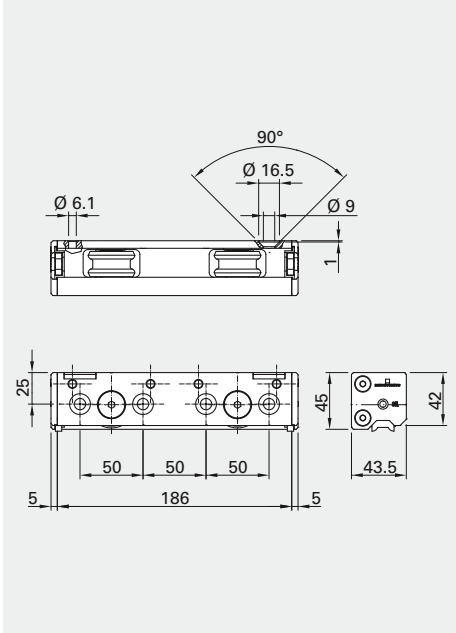
Technical Data

Material: clear or black anodized aluminum, black, tempered steel or galvanized steel, black PA6 composite, pressed felt

Bearing load capacity per double idler

Radial: max. 3000 N
Axial: max. 1500 N

The carriage is adjusted using the eccentric idlers and an eccentric wrench LIN 9990.
Assembly instructions: page 167

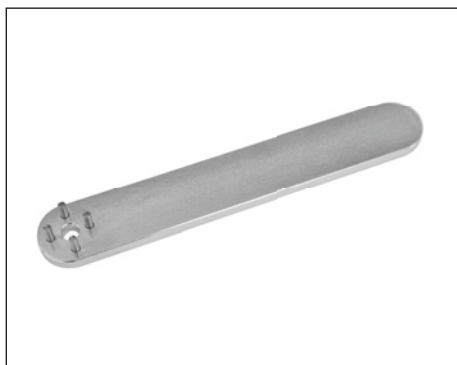


Order Code

Description	Scope of Delivery				Order Code	Weight
	LIN 5010	LIN 5012	Grooved pin	SKS M08x055		
Double Idler Kit, concentric	1		4	4	LIN 5011	0.755 kg
Double Idler Kit, eccentric		1	4	4	LIN 5013	0.755 kg

LIN 9990

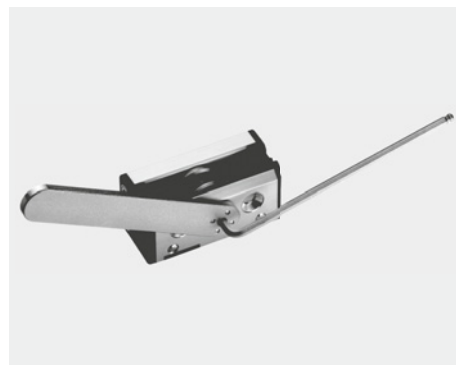
Wrench

**Application**

For adjusting and tightening the eccentric bolt of the Idlers

Technical Data

Material: galvanized steel



Order Code

Description	Order Code	Weight
Wrench	LIN 9990	0.177 kg

LIL 5000

Guiderail

**Application**

Guide rollers can be added later to any 50 mm series extrusions

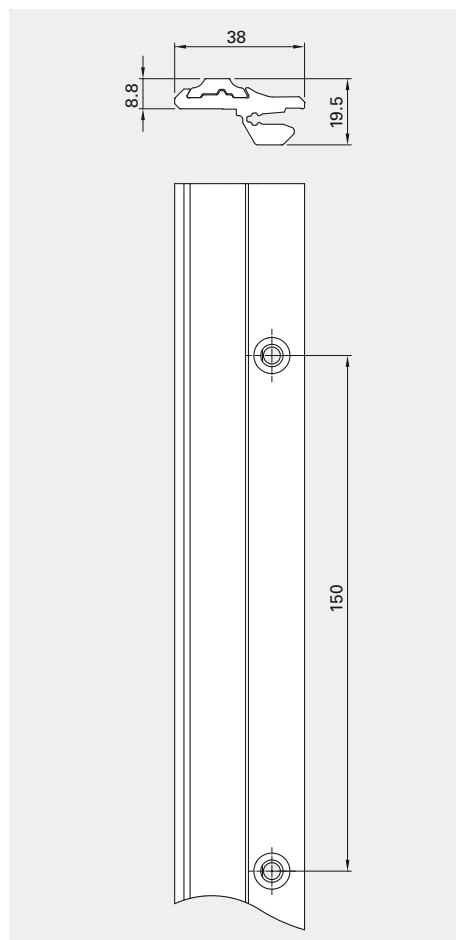
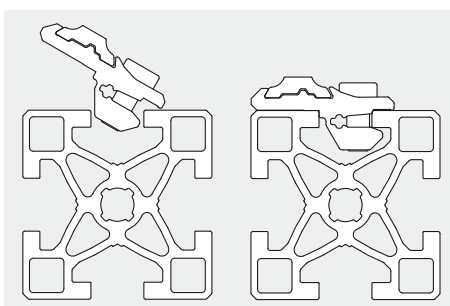
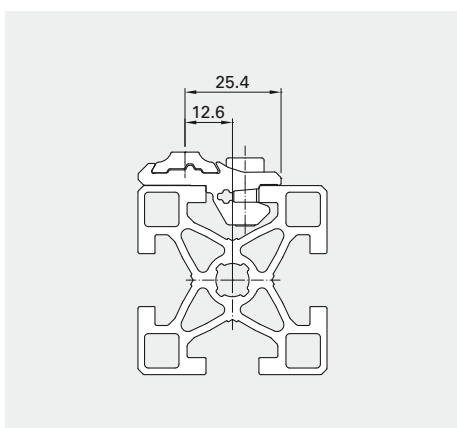
Technical Data

Material: tempered, brushed steel
HRC 58 +3, anodized aluminum

Scope of Delivery

Guiderail, Rolled Steel and Aluminum
screw IBS M06x012 NIKO

Tightening torque: M06x012 NIKO
 $M_A \max = 12 \text{ Nm}$



Order Code

Description	Order Code ¹⁾	Weight/Meter
Guiderail	Length	
Guide rail stock length 6050 mm (usable length 6000 mm)	LIL 5000 SNN ____	1.105 kg
	LIL 5000 NNN 6050	1.105 kg

1) Please complete the order code by adding the desired length

Diagram dimensions in mm

LIN 1501 / LIN 2001

Carriage Plate

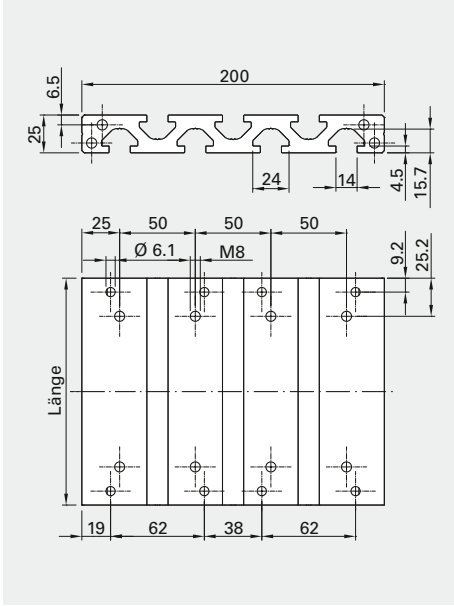


Application
 Carriage Plate for mounting components, assembled with Double Idlers

Technical Data
 Material: clear, anodized aluminum, black PA6 composite

Scope of Delivery
 1 Carriage Plate
 2 End Caps CAP 2521

Carriage plate 50 (length 150) = LIL 5010
 Carriage plate 100 (length 200) = LIL 1010
 Assembly instructions: page 167



Order Code

		Order Code	
Description	Length		Weight
Carriage plate kit 50	150 mm	LIN 1501	1.150 kg
Carriage plate kit 100	200 mm	LIN 2001	1.530 kg

LIN 5191

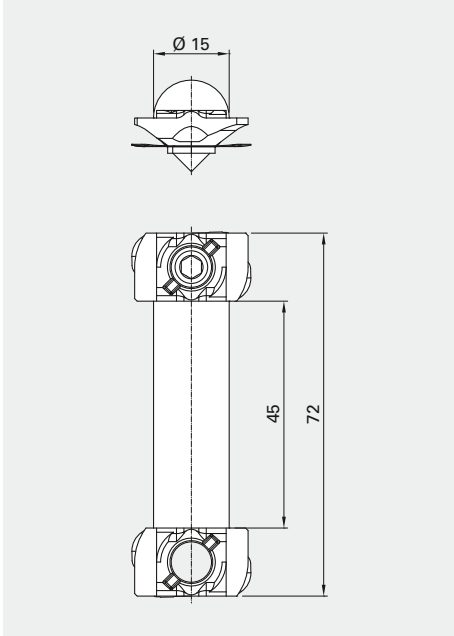
Limit Stop



Application
 Mechanical end stop, prevents pulley damage

Technical Data/Scope of Delivery
 Material: galvanized steel, rubber

Used in combination with LIN 3221 timing belt clamp.



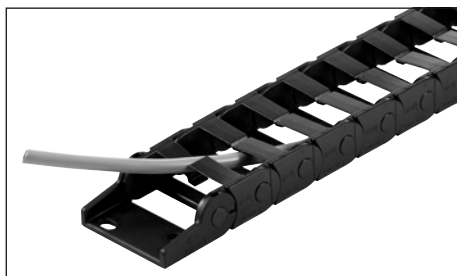
Order Code

		Scope of Delivery		Order Code	
Description		LIN 5190	TIN 4508	GST M08x012 SPI	Weight
Limit Stop Kit		1	2	1	0.036 kg

Diagram dimensions in mm

LI_ 620_

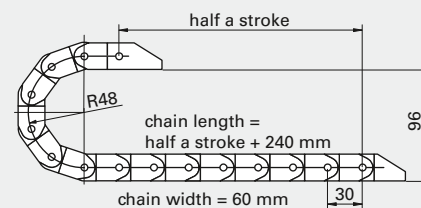
Flexible Energy Chain

**Application**

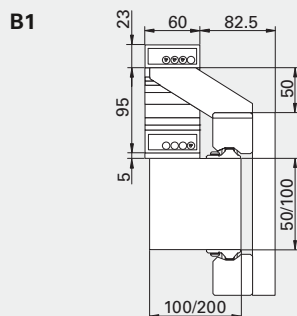
Guides and protects cables of Linear Motion Unit. Attached directly to Single- or Double Idlers

Technical Data

Material: black PVC, black anodized aluminum or galvanized steel



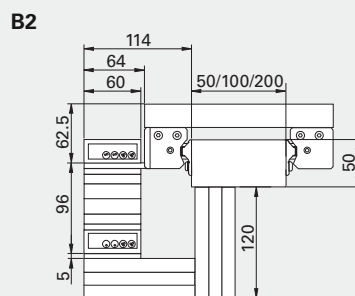
Fastening Kits B1, B2 and B3

**B1 - LIN6203 Fastening Kit**

For vertically positioned carriage plate for fastening to the extrusions: 50x100 flat, 50x200 flat, 100x100, 100x200 flat

Scope of Delivery

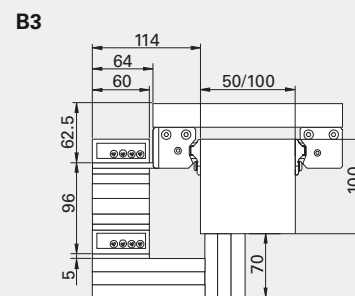
- 1 plate for fastening of Flexible Energy Chain
- 1 holder for fastening of Flexible Energy Chain
- 1 screw IBS M05x025
- 2 Screws IBS M06x008
- 2 Screws IBS M06x016 NIKO
- 2 Screws SKS M06x016
- 4 Washers BLS M006
- 2 Drop-in Nuts TIN 4506

**B2 - LIN6205 Fastening Kit**

For horizontally positioned carriage plate for fastening to the extrusions: 50x50, 50x100 flat, 50x200 flat

Scope of Delivery

- 1 bracket for fastening Flexible Energy Chain
- 1 plate for fastening of Flexible Energy Chain
- 2 Extrusions 40x40 PIL 4040
- 2 End Caps CAP 4041
- 2 Fastener FAS 4041
- 4 Screws IBS M06x008
- 2 Screws SKS M06x016
- 4 Washers BLS M006
- 2 Drop-in Nuts TIN 4506

**B3 - LIN6207 Fastening Kit**

For horizontally positioned carriage plate for fastening to the extrusions: 50x100 upright, 100x100

Scope of Delivery

- 1 bracket for fastening Flexible Energy Chain
- 1 plate for fastening of Flexible Energy Chain
- 2 Extrusions 40x40 PIL 4040
- 2 End Caps CAP 4041
- 2 Fastener FAS 4041
- 4 Screws IBS M06x008
- 2 Screws SKS M06x016
- 4 Washers BLS M006
- 2 Drop-in Nuts TIN 4506

Order Code

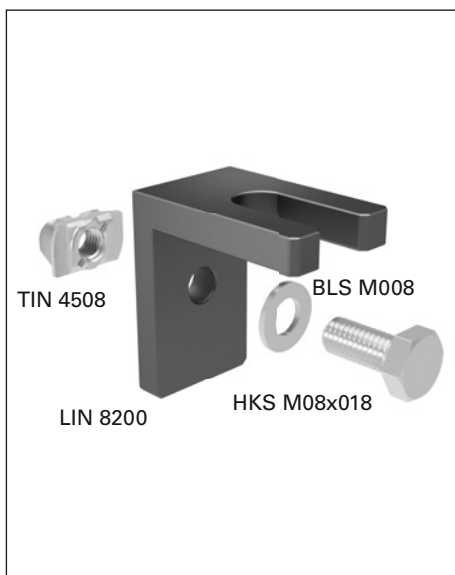
Description	Order Code ¹⁾	
	Length	Weight
Flexible Energy Chain E14 black	LIL 6200 SNN ____	0.36 kg/meter
Retaining Clamp Set for Flexible Energy Chain	LIN 6201	0.025 kg
Fastening Kit B1 for Flexible Energy Chain	LIN 6203	0.220 kg
Fastening Kit B2 for Flexible Energy Chain	LIN 6205	0.645 kg
Fastening Kit B3 for Flexible Energy Chain	LIN 6207	0.545 kg

1) Please complete the order code by adding the desired length

Diagram dimensions in mm

LIN 8201

Proximity Switch Bracket



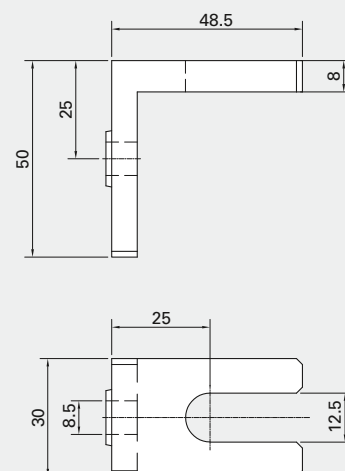
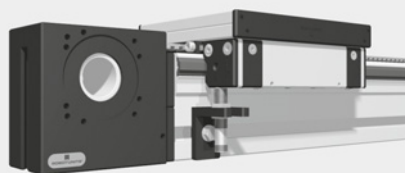
Application

Used for mounting proximity switch; the idler is the switching surface.

Technical Data

Material: black anodized aluminum, galvanized steel

Attachment of bracket and proximity switch

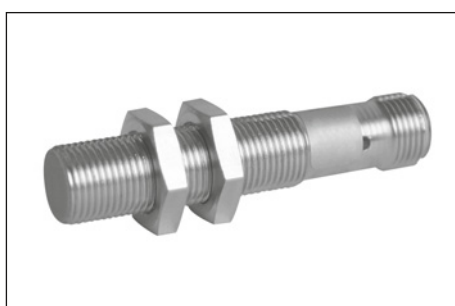


Order Code

Description	Scope of Delivery				Order Code	Weight
	LIN 8200	TIN 4508	HKS M08x018	BLS M008	LIN 8201	0.175 kg
Proximity Switch Bracket Kit	1	1	1	1		

LIN 8310

Proximity Switch

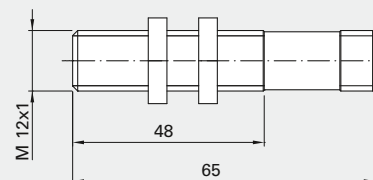


Application

Inductive proximity switch controls travel limit Mounted with Proximity Switch Bracket LIN 8201

Technical Data

Switching distance: 4 mm, 24V DC, PNP N/O contact, outer thread M12x1
Material: galvanized steel



Order Code

Description	Order Code	Weight
Proximity Switch, M12x1	LIN 8310	0.185 kg

LIN 8312

Angle Plug with Cable

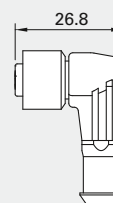


Application

Used with Proximity Switch LIN8310 to monitor travel limit.

Technical Data

Cable: Length 5 m, Plug: 2 LEDs



Order Code

Description	Order Code	Weight
Angle Plug with 5 m cable	LIN 8312	0.020 kg

LIN 5241

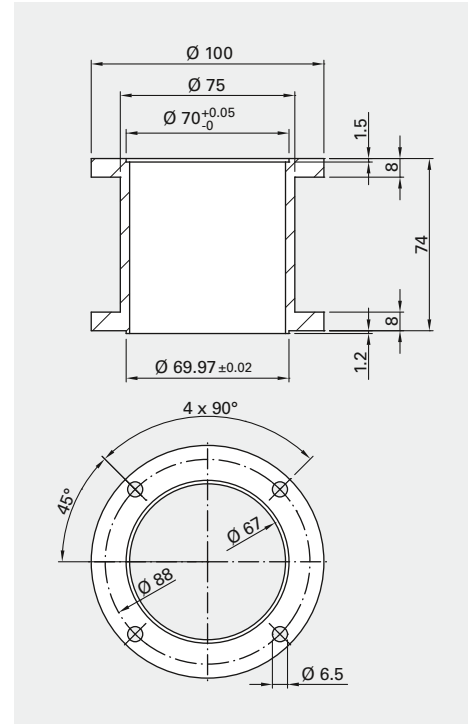
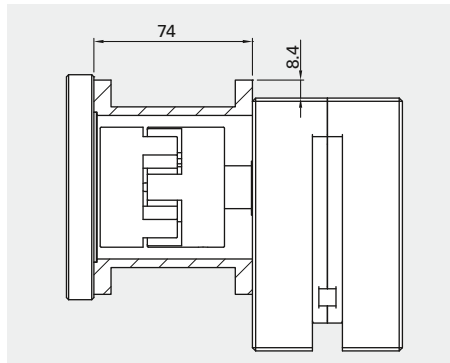
Motor Flange

**Application**

To attach motor to Timing Belt Pulley

Technical Data

Material: clear, anodized aluminum, galvanized steel



Order Code

Description	Scope of Delivery			Order Code	Weight
	LIN 5240	IBS M06x20	BLS M006		
Motor Flange Kit	1	8	8	LIN 5241	0.390 kg

LIN 523_

Coupling

**Application**

To connect motor to drive shaft

Technical Data

Material: cast aluminum

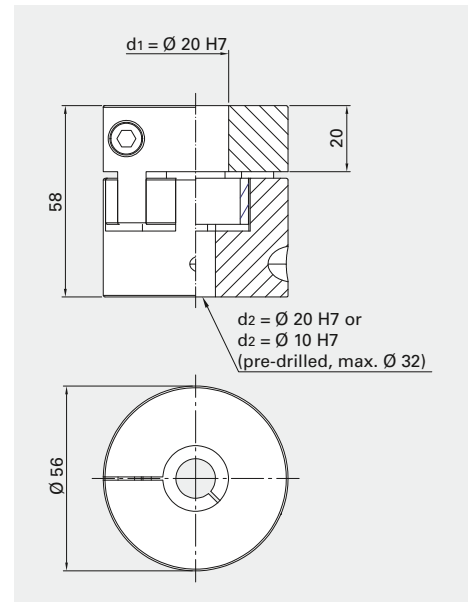
Transferable torque: 60 Nm

Tightening torque: 15 Nm

Scope of Delivery

LIN 5236:
2 Coupling Halves with Ø 20
1 Coupling Star

LIN 5237:
1 Coupling Half, Ø 10 pre-drilled
1 Coupling Half with Ø 20
1 Coupling Star



Order Code

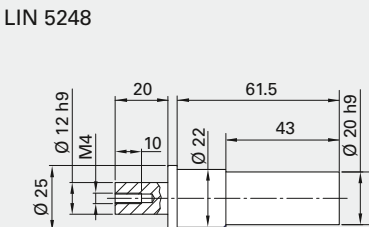
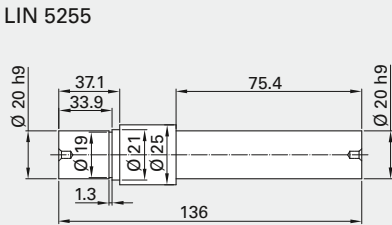
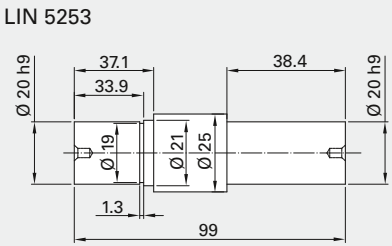
Description	Order Code	Weight
Coupling d1 = d2 = 20 mm	LIN 5236	0.360 kg
Coupling d1 = 20 mm, d2 = 10 pre-drilled	LIN 5237	0.360 kg

Diagram dimensions in mm



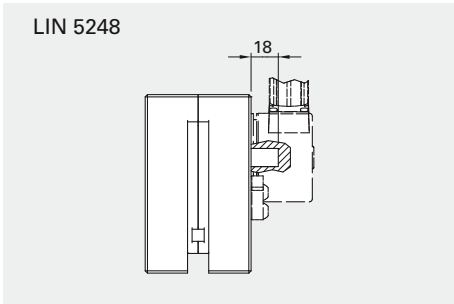
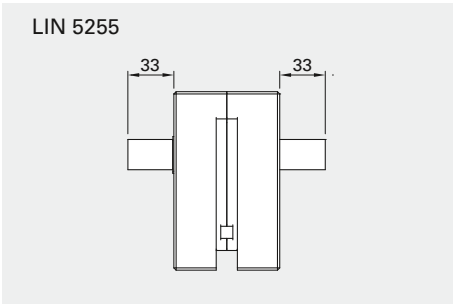
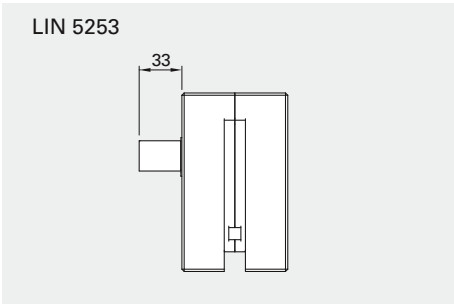
Application
To connect Coupling to Timing Belt Pulley

Technical Data
Material: stainless steel



Other diameters and lengths possible upon request.

Installed Dimensions



Order Code

Description	Scope of Delivery					Order Code	Weight
	LIN 5252	LIN 5254	LIN 5248	BLS M020	SIR 020x1.2		
Single Drive Shaft Kit	1	-	-	1	1	LIN 5253	0.300 kg
Double Drive Shaft Kit	-	1	-	1	1	LIN 5255	0.400 kg
Encoder Shaft	-	-	1	-	-	LIN 5248	0.190 kg

Diagram dimensions in mm

LIN 5246

Expanding Coupling

**Application**

To connect motor or drive shaft
(diameter = 20 mm) with Timing Belt
Pulley.

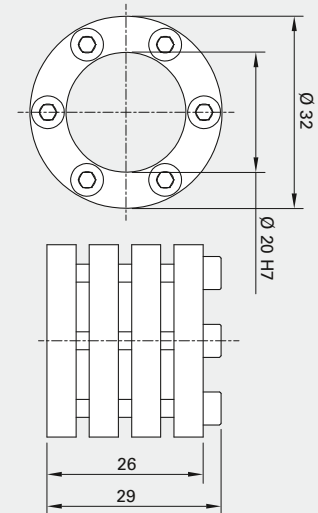
Technical Data

Material: tempered steel

Transferable torque: 60 Nm

Tightening torque per screw: 2 Nm

Shaft tolerance: k6



Order Code

Description	Order Code	Weight
Expanding Coupling	LIN 5246	0.070 kg



LIN 750_

Encoder



Application

For fitting to C8T timing belt pulley or LIN timing belt pulley

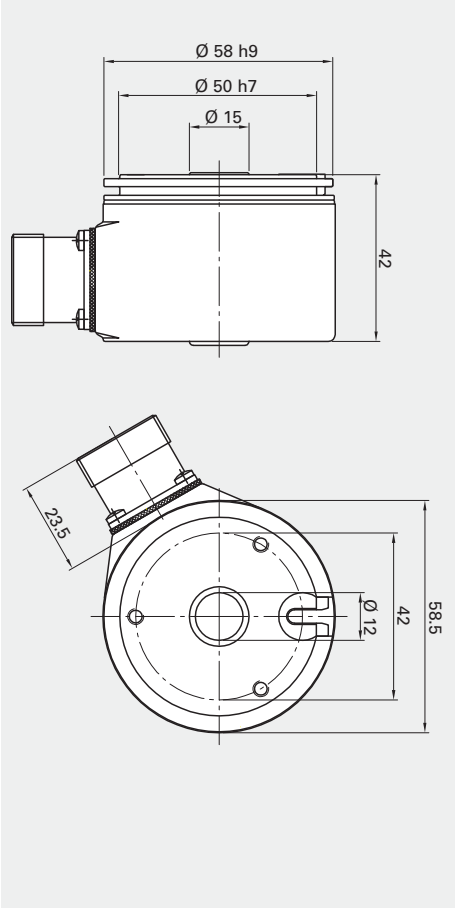
Technical Data

Material: aluminum housing
Speed: max 4000 rpm
Increments: 2000 increments/rev.
Power requirement: 60 mA (10 VDC)
30 mA (24 VDC)
Supply voltage: 10 to 30 VDC
IP rating: IP64
Output: push/pull

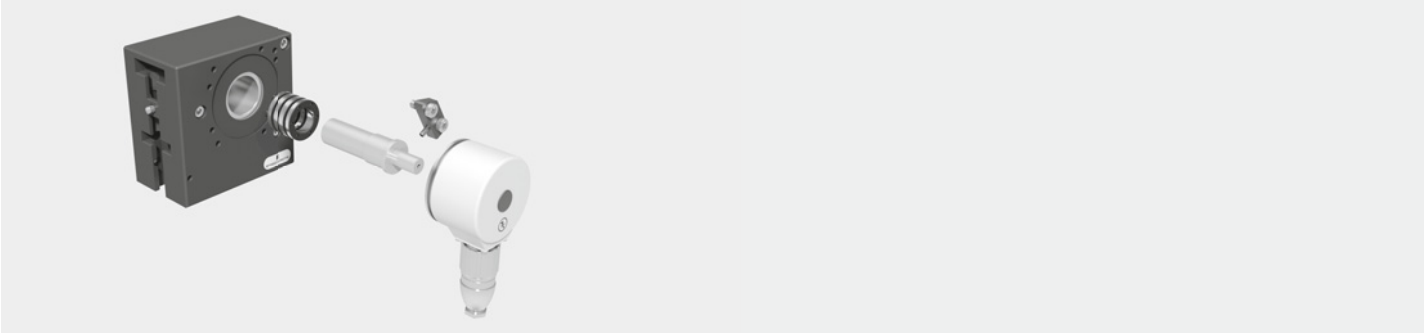
Scope of Delivery

- Encoder Kit LIN 7501
- 1 Encoder LIN 7500
 - including round connector
- 1 Encoder Shaft LIN 5248
- 1 Expanding Coupling LIN 5246
- 1 Torque Arm
- 2 Screws IBS M06x016 NIKO
- 1 Clamping Pin SPS 4x12

- Encoder LIN 7500
- 1 Encoder LIN 7500
 - including round connector



Assembly



Order Code

Description	Order Code	Weight
Encoder Kit for Linear Motion Unit	LIN 7501	0.660 kg
Encoder including round connector	LIN 7500	0.335 kg

Diagram dimensions in mm

COL 52_0

Connection Shaft with Couplings

**Application**

Shaft for connecting two conveyors or two linear motion units.

Technical Data

Material: aluminum, elastomer star

COL 5220

M nom. 12 Nm

M max. 25 Nm

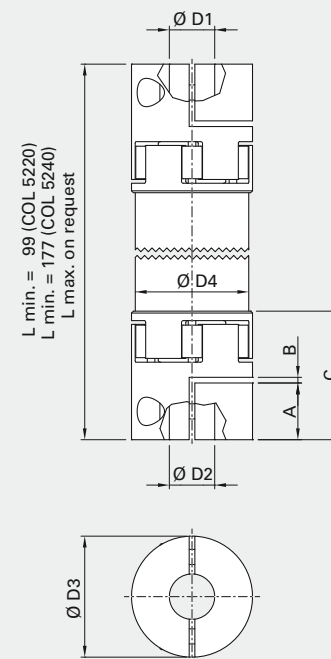
Tightening torque: 4 Nm

COL 5240

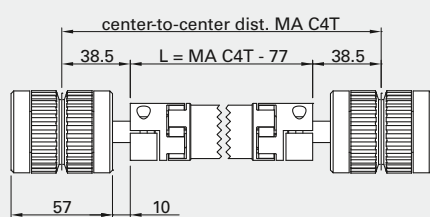
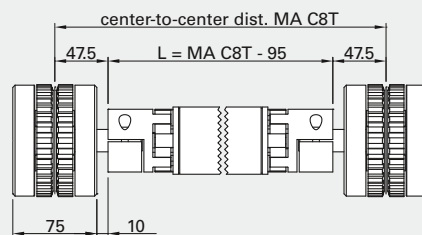
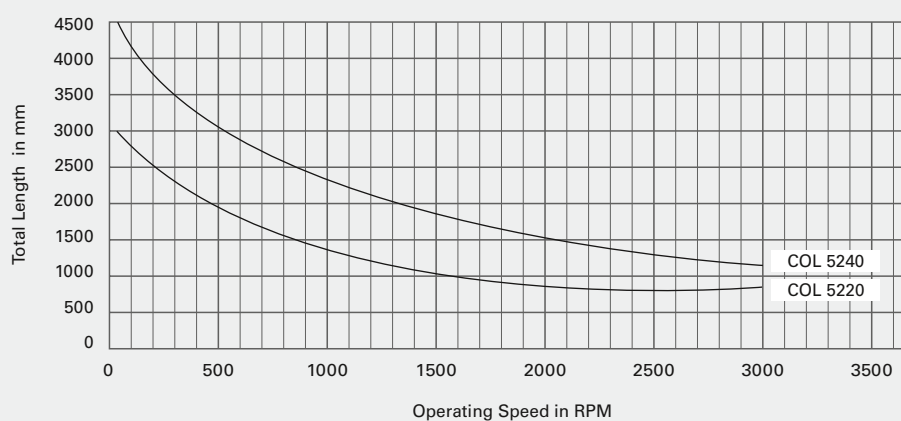
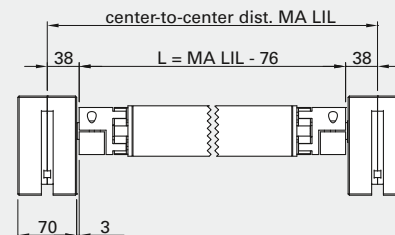
M nom. 60 Nm

M max. 120 Nm

Tightening torque: 15 Nm



	D1	D2	D3	D4	A	W	C
COL 5220	12	12	32	30	15	1.5	34
COL 5240	20	20	56	60	30	2	63

COL 5220 (C4T)**COL 5240 (C8T)****COL 5240 (LIL)**

Order Code

Description

Connection Shaft with Couplings VWZ-30 / d = 12 mm

Connection Shaft with Couplings VWZ-60 / d = 20 mm

Order Code¹⁾

Length

COL 5220 SNN _ _ _ _

COL 5240 SNN _ _ _ _

1) Please complete the order code by adding the desired length

Diagram dimensions in mm

CAP _ _ _ _

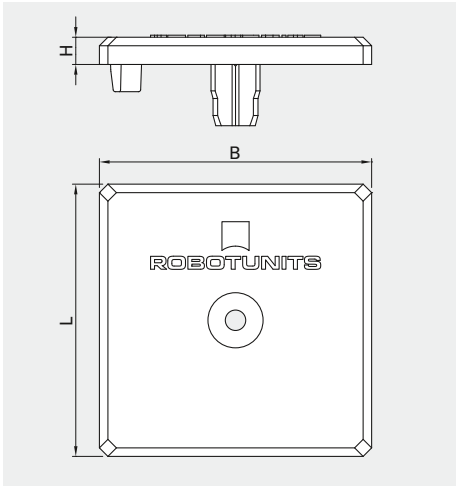
End Cap



Application
 Used for covering the ends of extrusions

- Self-centering
- Retained through expanding anchor
- Reusable

Technical Data
 Material: black ABS V0 composite

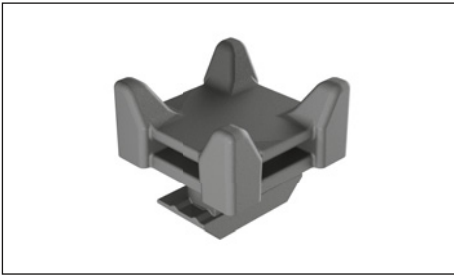


Order Code

Description	L	W	H	Scope of Delivery		Order Code	Weight
				CAP	BKS 4x13		
End Cap Kit 16x40	16	40	5	1	2	CAP 1641	0.002 kg
End Cap Kit 40x40	40	40	4	1	1	CAP 4041	0.005 kg
End Cap Kit 40x80	40	80	4	1	2	CAP 4081	0.009 kg
End Cap Kit 80x80 (2 x CAP 4081)	80	80	4	2	4	CAP 8081	0.018 kg
End Cap Kit 50x50	50	50	5	1	1	CAP 5051	0.010 kg
End Cap Kit 50x100	50	100	5	1	2	CAP 5011	0.019 kg
End Cap Kit 50x200 (2 x CAP 5011)	50	200	5	2	4	CAP 5021	0.038 kg
End Cap Kit 100x100 (2 x CAP 5011)	100	100	5	2	4	CAP 1011	0.038 kg
End Cap Kit 100x200 (4 x CAP 5011)	100	200	5	4	8	CAP 1021	0.076 kg
End Cap Kit 25x200	25	200	5	1	4	CAP 2521	0.022 kg

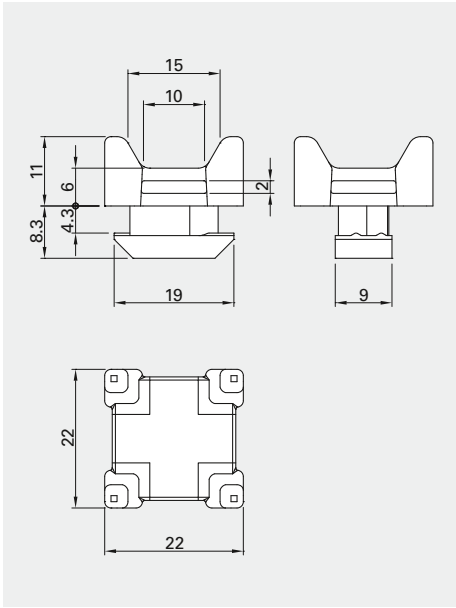
PIN 4530

Cable Block

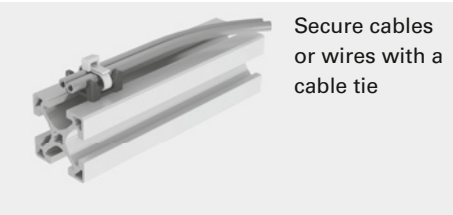
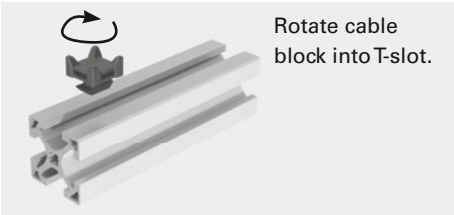


Application
 To secure cables, hoses, and lines to extrusions using cable ties in x/y direction from the T-slot

Technical Data
 Material: PA composite fiberglass-reinforced, black



Assembly Instructions



Order Code

Description	Order Code	Weight
Cable Block	PIN 4530	0.005 kg
Cable Blocks, 50 pcs.	PIN 4530 PAC 0050	0.240 kg

TIN 4501

Fine-Tuning And Fixing Element

Base Part with
GST M08x021
SPI

GST M08x040



Spring

Application

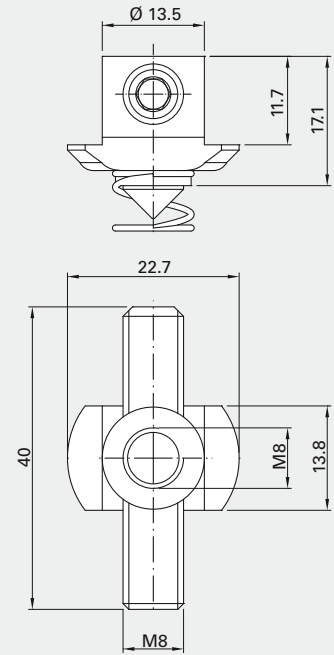
Used for securing and fine tuning component positions. Post insertion possible, can be used with 40 mm and 50 mm series extrusions, e.g.:

- Conveyor Belt Tracking
- Fine adjustment of cross members
- Securing connections

Technical Data

Material: galvanized steel

TIN 4501 can also be used for electrical grounding.



Order Code

Description	Scope of Delivery				Order Code	Weight
	Base Part	Spring	GST M08x012 SPI	GST M08x040		
Fine-Tuning and Fixing Element Kit	1	1	1	1	TIN 4501	0.029 kg

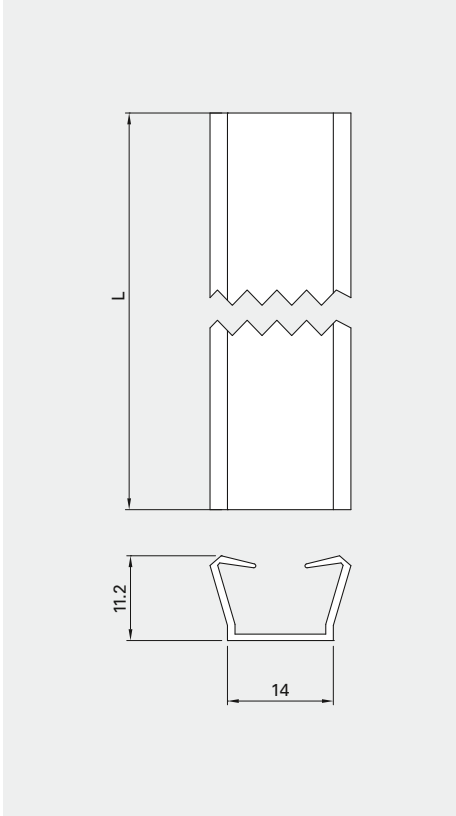
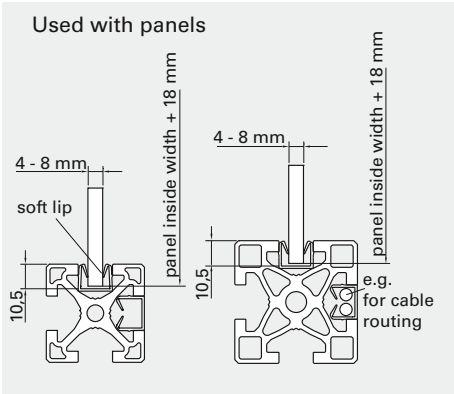




Application
For covering T-slots and fastening
4 - 8 mm thick panels

- Dust protection
- Splash guard
- Cable routing

Technical Data
Material: impact-resistant PVC with soft lip
Stock length: 2000 mm



Order Code

Description	Order Code ¹⁾	
	Length	Weight/Meter
Cover/Insert Extrusion, black, cut to length	CAL 4500 SNN ____	0.050 kg
Cover/Insert Extrusion, black, length 2000 mm	CAL 4500 NNN 2000	0.050 kg
Cover/Insert Extrusion, black, 160 lengths at 2000 mm	CAL 4500 PAC 0160	0.050 kg
Cover/Insert Extrusion, RAL 1021 yellow, cut to length	CAL 4504 SNN ____	0.050 kg
Cover/Insert Extrusion, RAL 1021 yellow, length 2000 mm	CAL 4504 NNN 2000	0.050 kg
Cover/Insert Extrusion, RAL1021 yellow, 160 lengths at 2000 mm	CAL 4504 PAC 0160	0.050 kg
Cover/Insert Extrusion, RAL 7004 grey, cut to length	CAL 4510 SNN ____	0.050 kg
Cover/Insert Extrusion, RAL 7004 gray, length 2000 mm	CAL 4510 NNN 2000	0.050 kg
Cover/Insert Extrusion, RAL 7004 gray, 160 lengths at 2000 mm	CAL 4510 PAC 0160	0.050 kg

 1) Please complete the order code by adding the desired length
Diagram dimensions in mm

CAL 4540

T-Slot Sliding Rail



Application

Simple linear guidance in the T-slot

Technical Data

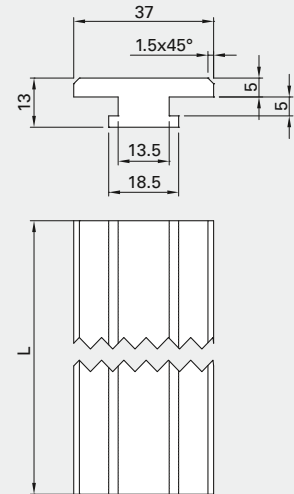
Material: PAS-PE3 composite, black

Stock length: 2000 mm

Temperature ranges:

-10° to 70° continuous,

90° to 100° short-term



Order Code

	Order Code ¹⁾		
Description	Length		Weight/Meter
T-Slot Sliding Rail, cut to length	CAL 4540 SNN	----	0.222 kg
T-Slot Sliding Rail, stock length: 2000 mm	CAL 4540 NNN	2000	0.222 kg

CAL 4545

Aluminium Cover Extrusion



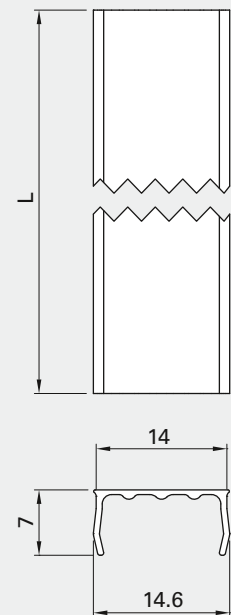
Application

Used for covering T-slots:

- Dust protection
- Splash guard
- Cable routing

Technical Data

Material: anodized aluminum



Order Code

	Order Code ¹⁾		
Description	Length		Weight/Meter
Aluminium Cover Extrusion, cut to length	CAL 4545 SNN	_____	0.043 kg
Aluminium Cover Extrusion, stock length: 2050 mm (usable length 2000 mm)	CAL 4545 NNN	2050	0.043 kg

1) Please complete the order code by adding the desired length

Diagram dimensions in mm

CAL 4560

Anti-Slip Profile

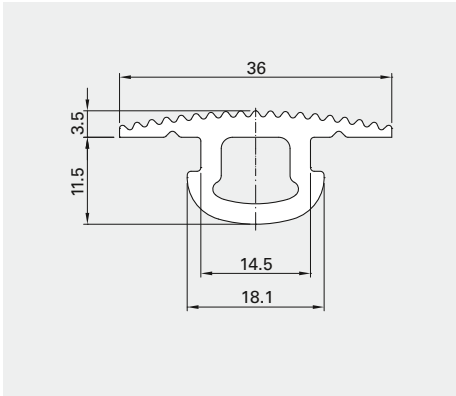


Application

- Anti-slip protection for steps (ladders, stairs, etc.)
- Door gasket
- Stops (drawers, doors)
- Travel stops

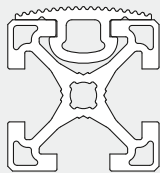
Technical Data

Material: NBR 80 Shore A
Temperature Ranges:
-30° to 100° continuous,
-50° to 120° short-term

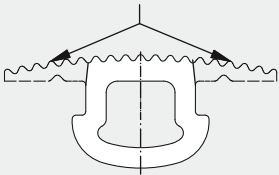


Installation

Anti-slip protection



Cut away this part of the Anti-slip profile



Rework for use as door gasket, bumper etc.

Useful for many purposes!

The Anti-Slip Profile can also be used as a gasket by cutting away the side lips.

Order Code

Description	Order Code ¹⁾	
	Length	Weight/Meter
Anti-Slip Profile, cut to length	CAL 4560 SNN _ _ _ _ _	0.213 kg
Anti-Slip Profile roll length 20 m	CAL 4560 PAC 20000	0.213 kg

1) Please complete the order code by adding the desired length
Diagram dimensions in mm



CAL 4565

Gasket



Application

- Door gasket
- Stops/buffers (drawers, doors)

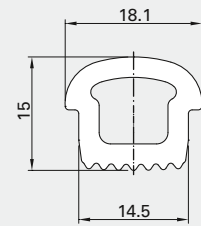
Technical Data

Material: NBR 80 Shore A

Temperature Ranges:

-30° to 100° continuous,

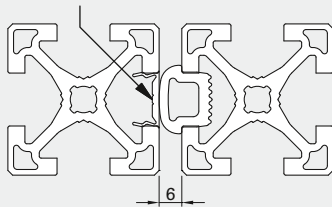
-50° to 120° short-term



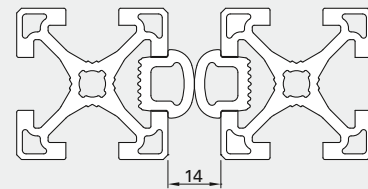
Gasket Functions

Sealing a door with gasket

Aluminum Cover profile CAL 4545



Sealing double door with two gaskets



Order Code

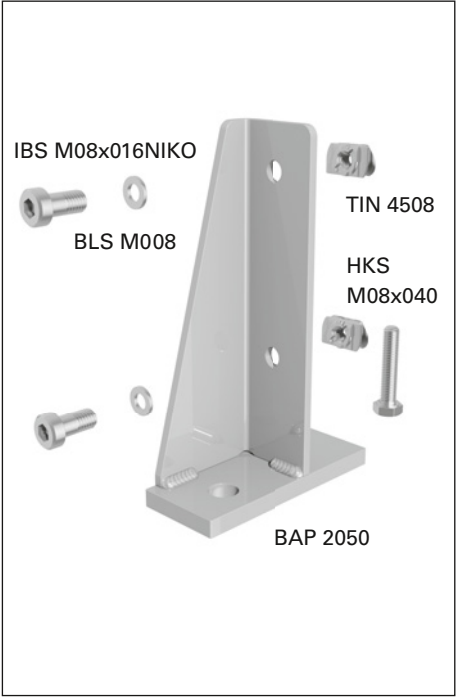
		Order Code ¹⁾	
Description		Length	Weight/Meter
Gasket, cut to length		CAL 4565 SNN _ _ _ _ _	0.160 kg

1) Please complete the order code by adding the desired length
Diagram dimensions in mm



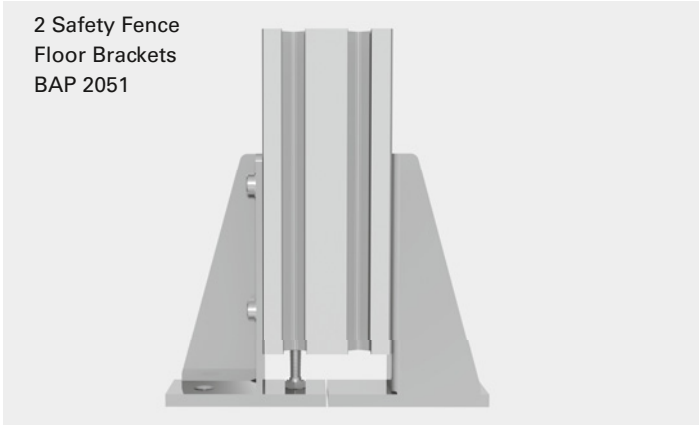
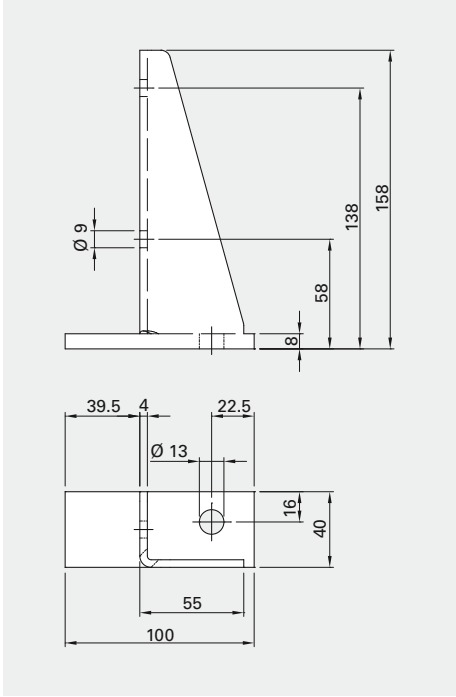
BAP 205_

Safety Fence Floor Bracket



Application
Floor mount of stands and safety fence panels built with 40 mm series extrusions.

Technical Data
Material: steel, gray powder coating
Adjustable height setting:
- 20 / + 5 mm



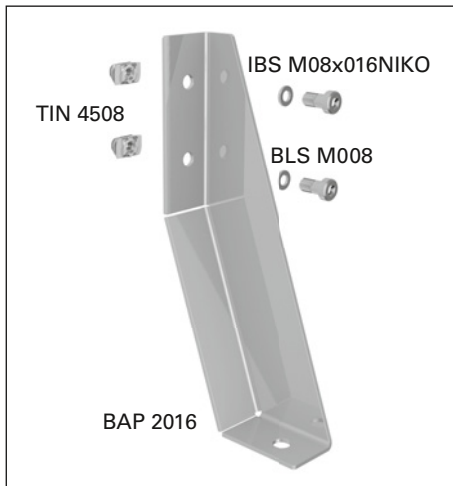
Order Code

Description	Scope of Delivery					Order Code	Weight
	BAP 2050	TIN 4508	IBS M08x016NIKO	HKS M08x040	BLS M008		
Safety Fence Floor Bracket	1	-	-	-	-	BAP 2050	0.568 kg
Safety Fence Floor Bracket kit	1	2	2	1	2	BAP 2051	0.638 kg

Diagram dimensions in mm

BAP 201_

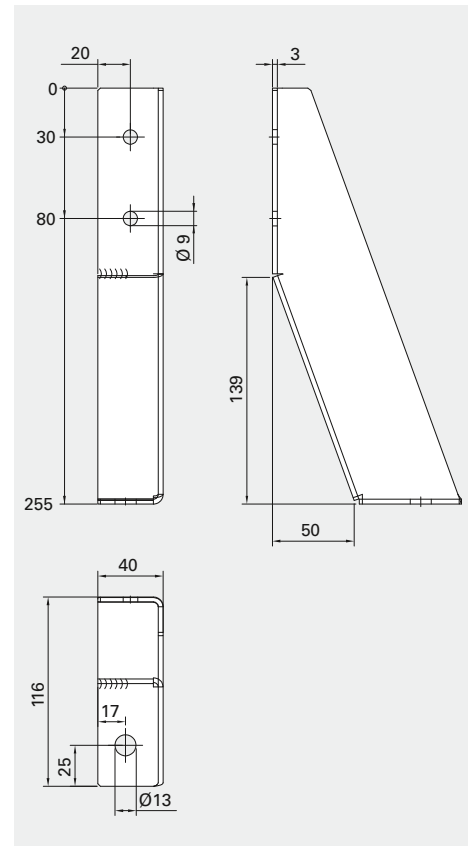
Fixing Bracket

**Application**

For stabilizing and attaching extrusion structures to floor or ceiling.

Technical Data

Material: galvanized steel



Secured to floor with anchor bolts

Order Code

Description	Scope of Delivery				Order Code	
	BAP 2016	TIN 4508	IBS M08x016NIKO	BLS M008		Weight
Fixing Bracket	1	-	-	-	BAP 2016	0.608 kg
Fixing Bracket Kit	1	2	2	2	BAP 2017	0.654 kg

BAP 2900

Anchor Bolt

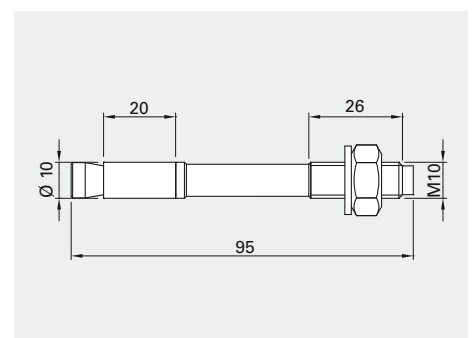
**Application**

For anchoring structures to the floor

Technical Data

Material: galvanized steel

Permitted tensile load: 6.7 kN
(concrete hardness class C20/25)
Minimum anchor depth: 60 mm



Order Code

Description		Order Code	
Anchor Bolt		BAP 2900	Weight
			0.055 kg

Diagram dimensions in mm

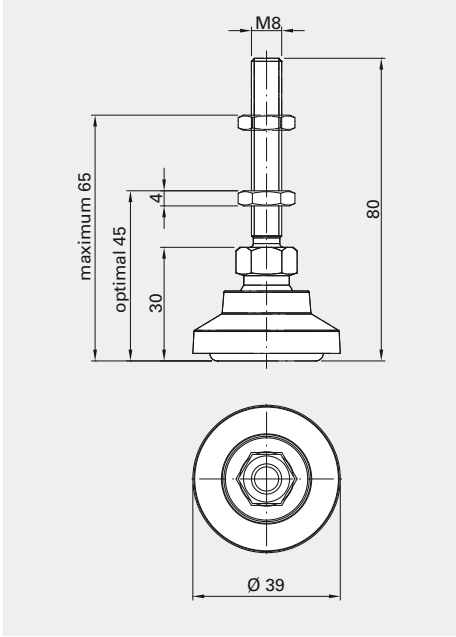
BAS 4008

Leveling Base



Application
Variable height adjustment and
Vibration dampening,
Includes ball-and-socket joint

Technical Data
Material: galvanized steel;
PA 6 composite; rubber
Max. load 1600 N



Order Code

Description	Order Code	Weight
Leveling Base, M8x40	BAS 4008	0.062 kg

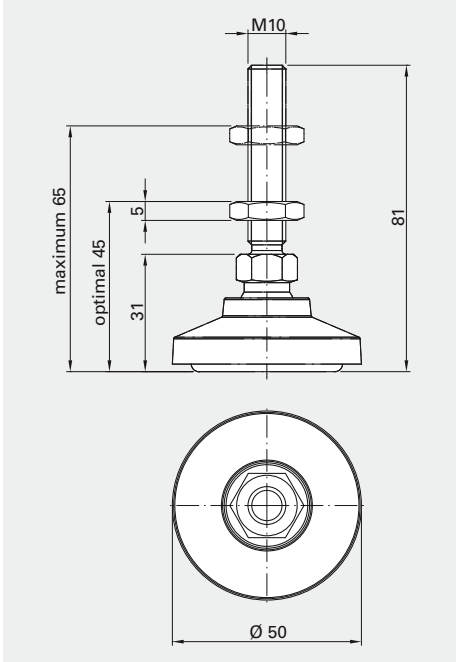
BAS 5010

Leveling Base



Application
Variable height adjustment and
Vibration dampening,
Includes ball-and-socket joint

Technical Data
Material: galvanized steel;
PA 6 composite; rubber
Max. load 2000 N



Order Code

Description	Order Code	Weight
Leveling Base, M10x50	BAS 5010	0.087 kg

Diagram dimensions in mm

BAS 8010

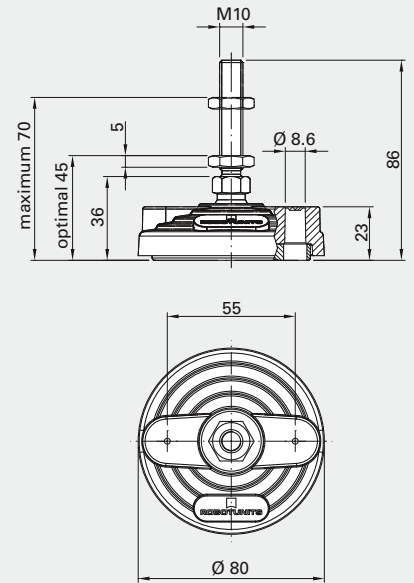
Leveling Base

**Application**

Variable height adjustment and
Vibration dampening,
Includes ball-and-socket joint

Technical Data

Material: galvanized steel;
PA 6 composite; rubber
Max. load 2800 N



Order Code

Description	Order Code	Weight
Leveling Base, M10x80	BAS 8010	0.145 kg

BAS 1020

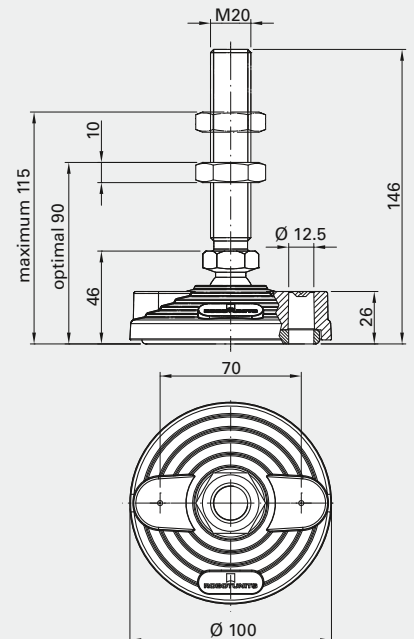
Leveling Base

**Application**

Variable height adjustment and
Vibration dampening,
Includes ball-and-socket joint

Technical Data

Material: galvanized steel;
PA 6 composite; rubber
Max. load 2800 N



Order Code

Description	Order Code	Weight
Leveling Base, M20x100	BAS 1020	0.496 kg

Diagram dimensions in mm

CAS 0080

Swivel Castor with Plate

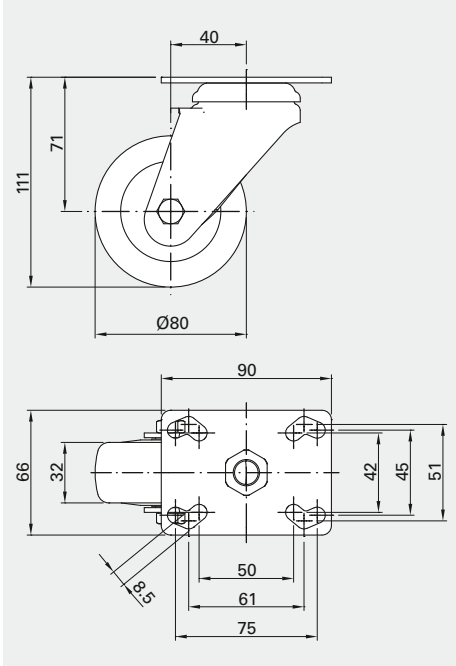


Application
Standard solid rubber tires

- Allow for swivel
- For smooth movability

Technical Data
Material: galvanized steel, rubber

Safe working load: 100 kg



Order Code

Description	Order Code	Weight
Swivel Castor with Plate 80 mm	CAS 0080	0.604 kg

CAS 0082

Rigid Castor with Plate

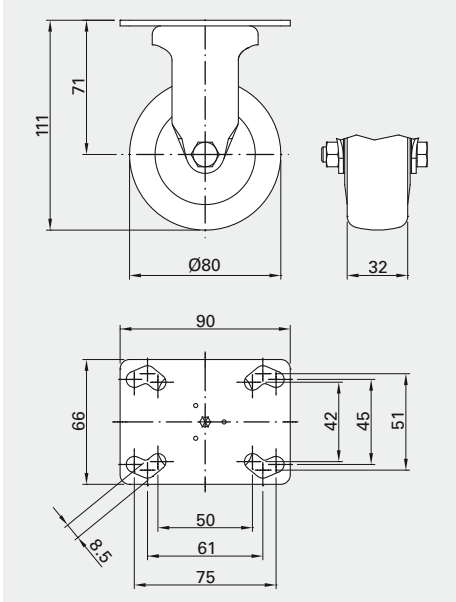


Application
Standard solid rubber tires

- For smooth movabilitys

Technical Data
Material: galvanized steel, rubber

Safe working load: 100 kg



Order Code

Description	Order Code	Weight
Rigid Castor with Plate 80 mm	CAS 0082	0.462 kg

Diagram dimensions in mm

CAS 2080

Swivel Castor with Bolt Hole Fitting

**Application**

- Standard solid rubber tires
- Allow for swivel
 - For smooth movability

Technical Data

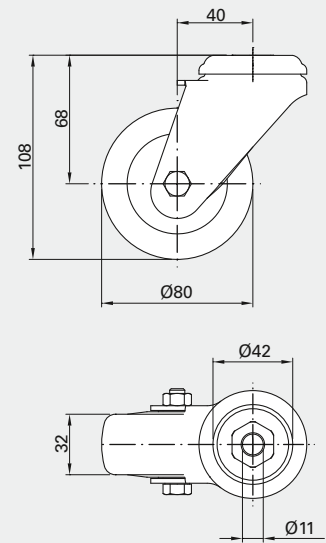
Material: galvanized steel, rubber

Safe working load: 100 kg

Fastening material for end-to-end assembly on the extrusion (not included in the scope of delivery);

PIL 4040: BLSM008S04, IBSM08x035

PIL 5050: BLSM010, IBSM10x040



Order Code

Description	Order Code	Weight
Swivel Castor with Bolt Hole Fitting 80 mm	CAS 2080	0.489 kg

CAS 2082

Rigid Castor with Bolt Hole Fitting

**Application**

- Standard solid rubber tires
- For smooth movability

Technical Data

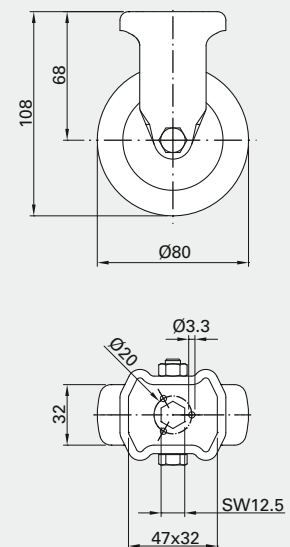
Material: galvanized steel, rubber

Safe working load: 100 kg

Fastening material for end-to-end assembly on the extrusion (not included in the scope of delivery);

PIL 4040: BLSM008S04, IBSM08x035

PIL 5050: BLSM010, IBSM10x040



Order Code

Description	Order Code	Weight
Rigid Castor with Bolt Hole Fitting 80 mm	CAS 2082	0.317 kg

Diagram dimensions in mm

CAS 1080

Swivel Castor with Plate And Brake

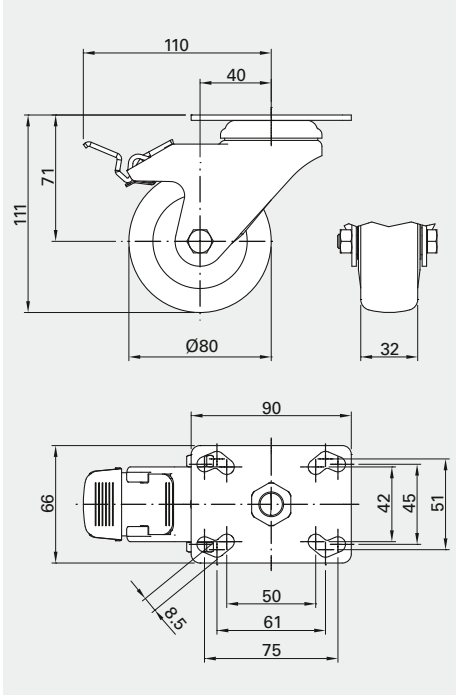


Application
Standard solid rubber tires

- Allow for swivel
- For smooth movability

Technical Data
Material: galvanized steel, rubber

Safe working load: 100 kg



Order Code

Description	Order Code	Weight
Swivel Castor with Plate and Brake 80 mm	CAS 1080	0.716 kg

CAS 3080

Swivel Castor with Bolt Hole Fitting And Brake



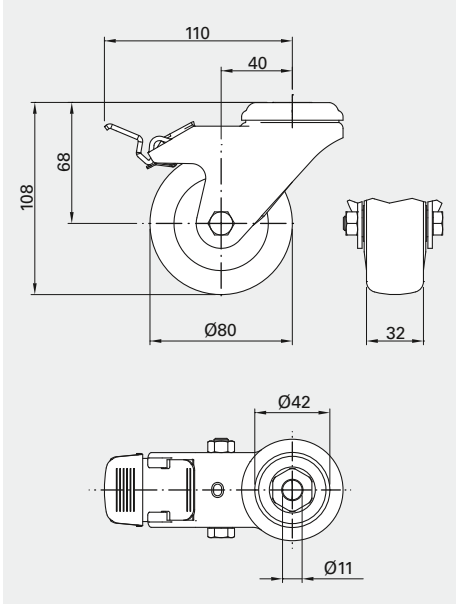
Application
Standard solid rubber tires

- Allow for swivel
- For smooth movability

Technical Data
Material: galvanized steel, rubber

Safe working load: 100 kg

Fastening material for end-to-end assembly on the extrusion (not included in the scope of delivery);
PIL 4040: BLSM008S04, IBSM08x035
PIL 5050: BLSM010, IBSM10x040



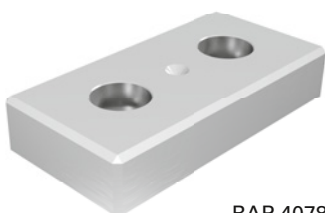
Order Code

Description	Order Code	Weight
Swivel Castor with Bolt Hole Fitting and Brake 80 mm	CAS 3080	0.597 kg

Diagram dimensions in mm

BAP_0_ _

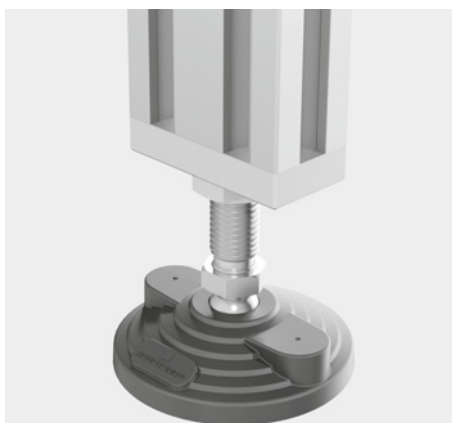
Base and Transport Plate

BAP 4080
BAP 5010BAP 4078
BAP 5008**Application**

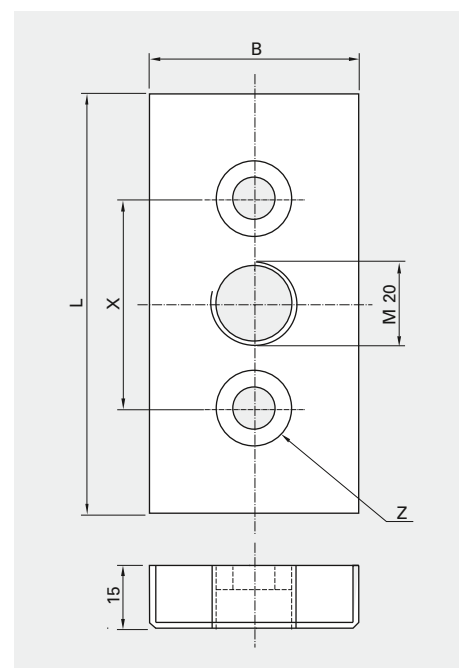
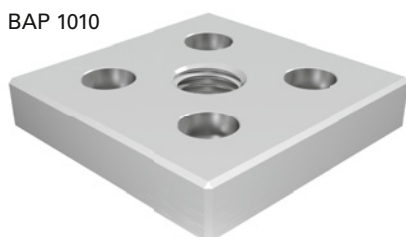
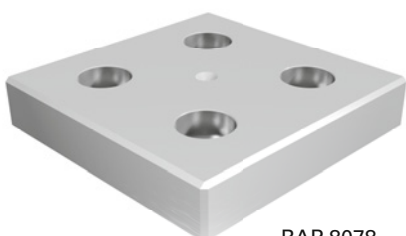
Used for attaching leveling bases or other transportation devices.

Technical Data

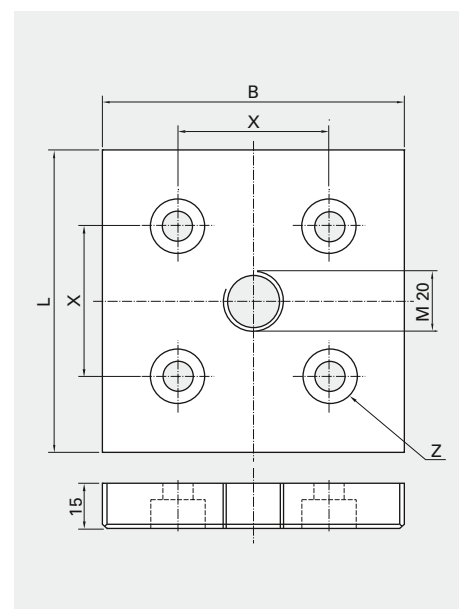
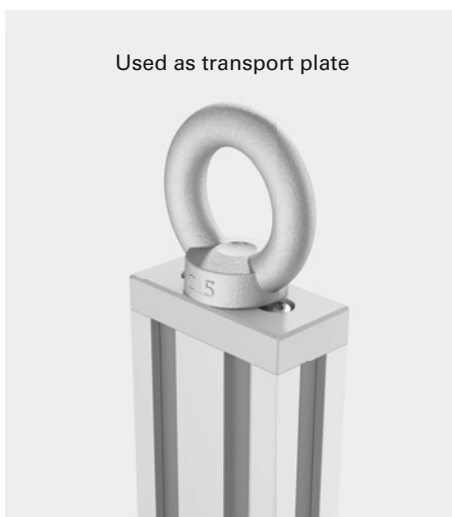
Material: galvanized steel



Used as leveling base

BAP 8080
BAP 1010BAP 8078
BAP 1008

Used as transport plate



Order Code

Description	L	W	X	Z ¹⁾	Order Code	Weight
Base and Transport Plate 40x80, no thread	80	40	40	IBS M08x020	BAP 4078	0.343 kg
Base and Transport Plate 40x80, M20 thread	80	40	40	IBS M08x020	BAP 4080	0.312 kg
Base and Transport Plate 80x80, no thread	80	80	40	IBS M08x020	BAP 8078	0.682 kg
Base and Transport Plate 80x80, M20 thread	80	80	40	IBS M08x020	BAP 8080	0.655 kg
Base and Transport Plate 50x100, no thread	100	50	50	IBS M10x025	BAP 5008	0.533 kg
Base and Transport Plate 50x100, M20 thread	100	50	50	IBS M10x025	BAP 5010	0.503 kg
Base and Transport Plate 100x100, no thread	100	100	50	IBS M10x025	BAP 1008	1.049 kg
Base and Transport Plate 100x100, M20 thread	100	100	50	IBS M10x025	BAP 1010	1.018 kg

1) Not included in the scope of delivery

Diagram dimensions in mm

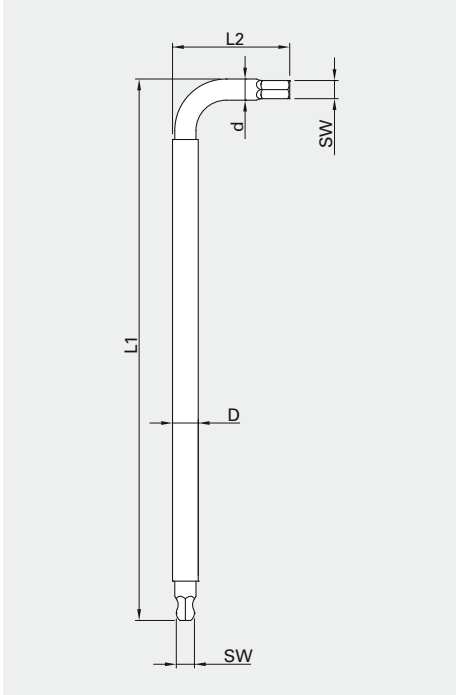
EQC 1001_

Allen Key for Hex Socket Head Cap Screws



Application
Allen Key with ball head for manual tightening the hex socket head cap screws for 40 and 50mm series fasteners.
A plastic sleeve prevents damage to the edges of the T-slot.

Technical Data
Material: high-quality, plastic-coated tool steel



Application

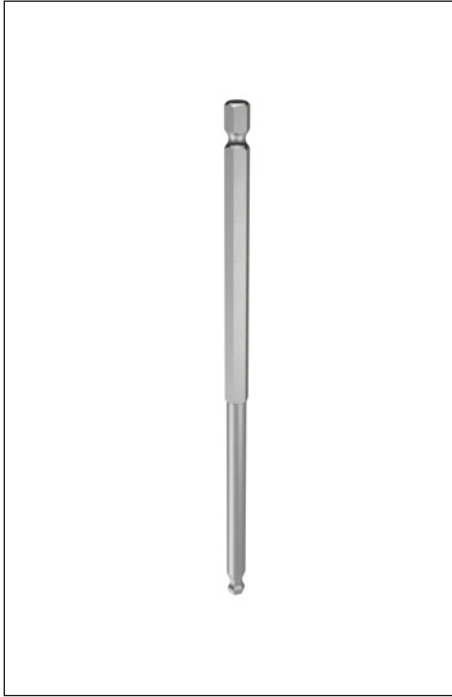


Order Code

Description	SW	d	D	L1	L2	Order Code	Weight
Allen Key for Hex Socket Head Cap Screws, 5 mm	5	6	7.5	160	35	EQC10016	0.040 kg
Allen Key for Hex Socket Head Cap Screws, 6 mm	6	7	8.5	180	40	EQC10017	0.060 kg

EQC 1005_

1/4" Hex Bit with Ball End

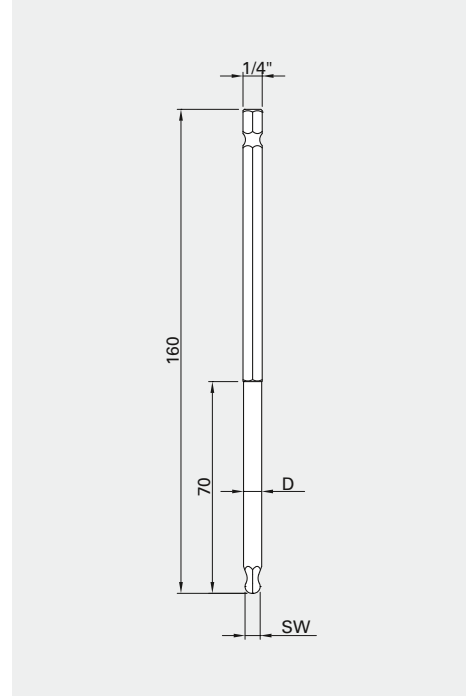
**Application**

1/4 Hex Bit with ball head for impact driver to tighten the hex socket head cap screws for 40 and 50mm series fasteners.

Cylindrical end prevents damage to the edges of the T-slot.

Technical Data

Material: high quality tool steel



Application

1/4" Hex Bit with Ball End, 5 mm



1/4" Hex Bit with Ball End, 6 mm



Order Code

Description	SW	D	Order Code	Weight
			EQC10051	0.040 kg
1/4" Hex Bit with Ball End, 5 x 160mm	5	6	EQC10052	0.060 kg
1/4" Hex Bit with Ball End, 6 x 160mm	6	6.7		