



## ***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 to 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 reduce your cost of ordering and your inventory overhead
- standard labeling saves even more time in assembly and storage



# Multifunctional Accessories

## Conveyor Technology Accessories

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Power Supply 400V  
CCL 00\_



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Speed Controller  
CCN 0004



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Power Supply 24V  
SUL 2000



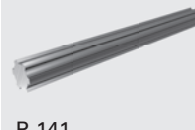
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Connection Hub  
COP 4501



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Splined Shaft  
COL 8500



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Tilt Plate 80  
Tilt Plate 80 Bent  
TIN 4561/TIN 4571



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Connection Shaft  
with Couplings  
COL 52\_0



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Fine-Tuning and  
Fixing Element  
TIN 4501



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Safety Fence Floor  
Bracket  
BAP 205\_



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Anchor Bolt  
BAP 2900



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Leveling Bases  
BAS \_



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Castors  
CAS \_



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## Safety Fence Accessories

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Weld Mesh  
PAN \_



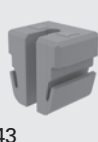
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Panel  
PAN \_



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Weld Mesh Clip  
SSP 4520



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Mesh Retainer  
SSP 4515



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Clamping Device  
PIN 452\_



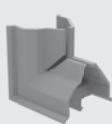
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Panel Profile  
CAL 451\_



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90° Corner Piece  
CAN 4501



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270° Corner Piece  
CAN 4503



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Safety Fence  
Fastener  
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90° Safety Fence  
Fastener  
TIN 4521



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Bolt  
SSP 4900



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Screw Retainer  
Screw  
SSP 5500



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Handle  
DOR 4501



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Magnet Holder  
DOR 4541



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Door Latch  
DOR 4551



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Door Catch  
DOR 4553



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Door Stop  
DOR 4555



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Safety Slide  
DOR 4557



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Hinge  
DOR 4511



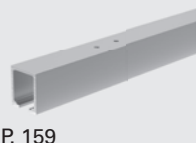
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Safety Interlock  
DOR 4580



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Guiderail  
DOL 4034



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Roller Set  
DOR 4031



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Sliding Door Stop  
DOR 4032



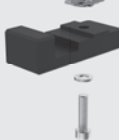
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Centering Guide  
DOR 4571



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Slider  
DOR 4573



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Door Support  
Castor  
DOR 456\_



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Floor Catch  
DOR 4561



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Safety Fence Floor  
Bracket  
BAP 205\_



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Anchor Bolt  
BAP 2900



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## Linear Motion System Accessories

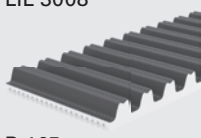
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Timing Belt Pulley  
LIN 5400



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Timing Belt  
LIL 3008



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Timing Belt Clamp  
LIN 3221



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Idlers  
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Wrench  
LIN 9990



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Guiderail  
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Carriage Plate  
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Limit Stop  
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Proximity Switch  
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LIN 8201



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Proximity Switch  
LIN 8310



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Angle Plug with  
Cable  
LIN 8312



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Motor Flange  
LIN 5241



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Coupling  
LIN 523\_\_



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Driveshaft/Encoder  
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Expanding Coupling  
LIN 5246



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Encoder  
LIN 7501



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Connection Shaft  
with Coupling  
COL 5240



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## General Modular Accessories

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Connection Shaft  
with Couplings  
COL 52\_0



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Cover Extrusion  
for PIL 4012  
CAL 4012



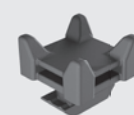
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End Cap  
CAP\_\_



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Cable Block  
PIN 4530



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Plastic Hook  
PIN 4590



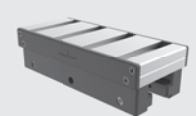
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Fine-Tuning and  
Fixing Element  
TIN 4501



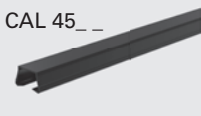
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Linear Slider  
LIN 404 \_/LIN 505\_



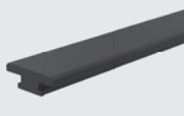
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Cover/Insert  
Extrusion  
CAL 45\_ \_



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T-Slot Sliding Rail  
CAL 4540



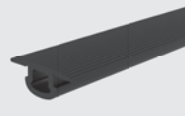
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Aluminum  
Cover Extrusion  
CAL 4545



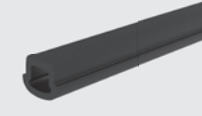
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Anti-Slip Profile  
CAL 4560



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Gasket  
CAL 4565



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Safety Fence Floor  
Bracket  
BAP 205\_



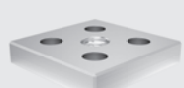
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Anchor Bolt  
BAP 2900



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Base and Transport  
Plates  
BAP\_\_



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Leveling Bases  
BAS\_\_



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Castors  
CAS\_\_



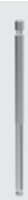
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Allen Key for  
Hex Socket  
Head Cap  
Screws  
EQL 1001\_



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1/4" Hex Bit  
with Ball End  
EQL 1005\_



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European version

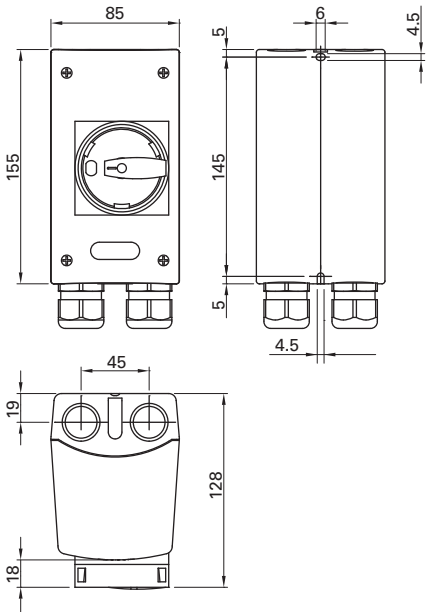
Power supply type may vary by country / region

**Application**  
Power supply with rotary switch for switching the conveyor on and off

**Technical Data**  
Input voltage: 400 VAC  
Input frequency: 50/60 Hz  
Power output: 0,12 - 0,75 kW  
IP rating: IP55

Scope of delivery: Housing with power switch incl. CEE plug incl. phase inverter, power cable and connecting cable to the conveyor

Completely wired when ordering with conveyor, otherwise 3 m cable with flying leads



Order Code

| Description                              | Order Code <sup>1</sup> |                               |
|------------------------------------------|-------------------------|-------------------------------|
|                                          | Length                  | Weight                        |
| Power Supply 400V (engine power 0,12 kW) | CCL 0012 SNN ____       | 0,8 kg + 0,2 kg/m power cable |
| Power Supply 400V (engine power 0,18 kW) | CCL 0018 SNN ____       | 0,8 kg + 0,2 kg/m power cable |
| Power Supply 400V (engine power 0,25 kW) | CCL 0025 SNN ____       | 0,9 kg + 0,2 kg/m power cable |
| Power Supply 400V (engine power 0,37 kW) | CCL 0037 SNN ____       | 0,9 kg + 0,2 kg/m power cable |
| Power Supply 400V (engine power 0,55 kW) | CCL 0055 SNN ____       | 0,9 kg + 0,2 kg/m power cable |
| Power Supply 400V (engine power 0,75 kW) | CCL 0075 SNN ____       | 0,9 kg + 0,2 kg/m power cable |



## CCN 0004

## Speed Controller



European version

Speed Controller type may vary by country / region

**Application**

Variable frequency drive for controlling motor speed

**Technical Data**

Input voltage: 230 or 400 VAC

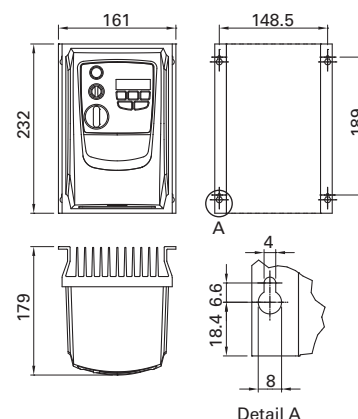
Input frequency: 50/60 Hz

Power output: 0.75 kW

IP rating: IP66

Scope of delivery: Speed Controller un-wired or Controller with CEE oder SCHUKO plug, power cable and connecting cable to the conveyor

Completely wired when ordering with conveyor, otherwise 3 m cable with flying leads



## Order Code

| Description                               | Order Code <sup>1</sup> | Length | Weight                        |
|-------------------------------------------|-------------------------|--------|-------------------------------|
| Speed Controller (not wired)              | CCN 0004                |        | 2,300 kg                      |
| Speed Controller with SCHUKO plug (wired) | CCL 0005 SNN ____       |        | 2,4 kg + 0,2 kg/m power cable |
| Speed Controller with CEE plug (wired)    | CCL 0006 SNN ____       |        | 2,5 kg + 0,2 kg/m power cable |

## SUL 2000

## Power Supply 24V



European version

Power Supply type may vary by country / region

**Application**

Power supply with rotary switch for switching the conveyor on and off

A maximum of 12 motor rollers may be connected to one power supply.

**Technical Data**

Housing material: powder-coated RAL 7035

Operating voltage: 400 VAC

Power frequency: 50 Hz

Control voltage: 24 VDC

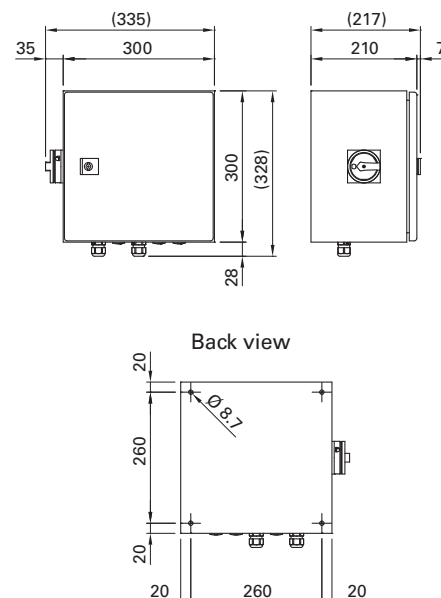
Power rating: 10 A

Connected load: 6.9 kW

IP rating: IP54

Scope of delivery: Power Supply 24V with CEE plug, power cable and connection cable to the conveyor

Completely wired when ordering with conveyor, otherwise 3 m cable with open end



## Order Code

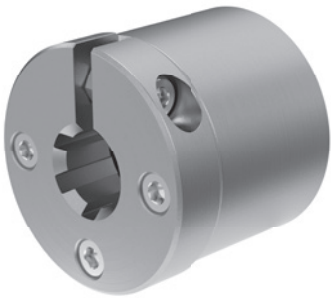
| Description      | Order Code <sup>1</sup> | Length | Weight                                  |
|------------------|-------------------------|--------|-----------------------------------------|
| Power Supply 24V | SUL 2000 SNN ____       |        | 10 kg + 0.2 kg/m power cable connection |

1) Please complete the order code by adding the desired length of the power supply cable connection.

Drawing dimensions in mm

COP 4501

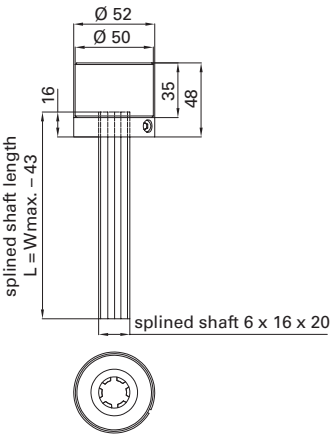
Connection Hub



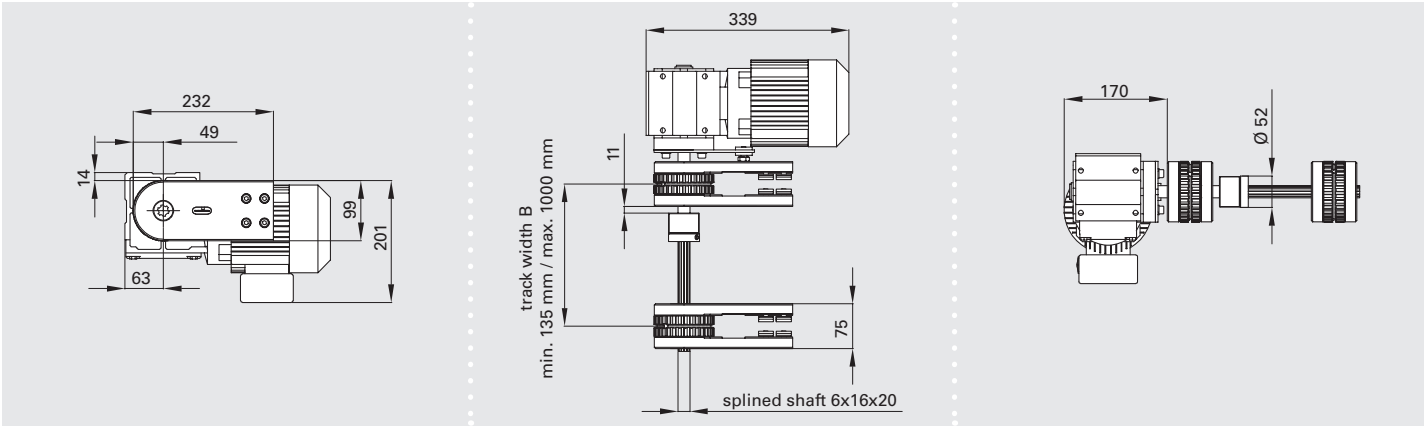
**Application**  
For connecting adjustable timing belt conveyors

**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  
Connection Hub Kit

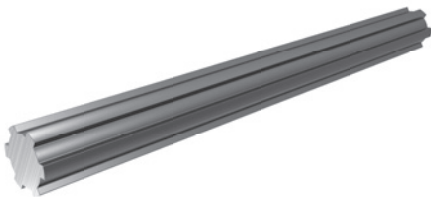
Order Code

COP 4501

Weight  
0.550 kg

COL 8500

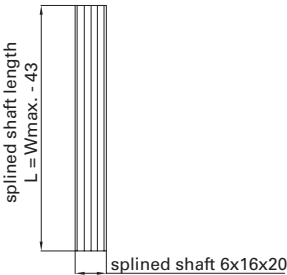
Splined Shaft



**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 <sup>1</sup> | Weight     |
|---------------|-------------------------|------------|
|               | Length                  |            |
| Splined Shaft | COL 8500 SNN _ _ _ _    | 1.930 kg/m |

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



PAN \_\_\_\_\_

Weld Mesh

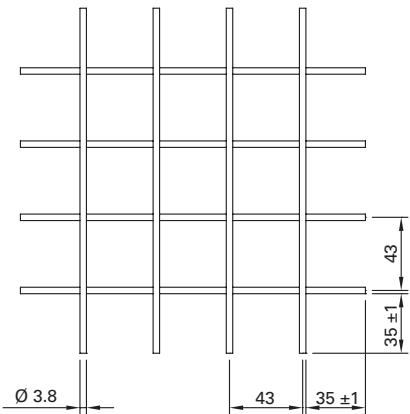


**Application**  
Used for Safety Fencing

- 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 <sup>1</sup> |      |        |  | 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  | _____  |  | 4.360 kg/m <sup>2</sup> |

PAN \_\_\_\_\_

Panels



**Application**  
Used for Safety Fencing

- 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, gray

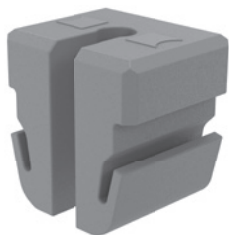
Order Code

| Description                                   | Strength | Order Code <sup>1</sup> |      |        |  | Weight/m <sup>2</sup> |
|-----------------------------------------------|----------|-------------------------|------|--------|--|-----------------------|
|                                               |          | 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, gray, similar to RAL 7004 | 5 mm     | PAN _____               | G5N  | _____  |  | 3.250 kg              |

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

## SSP 4520

## Weld Mesh Clip

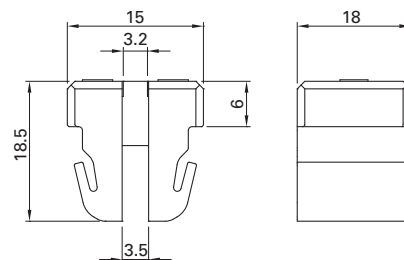
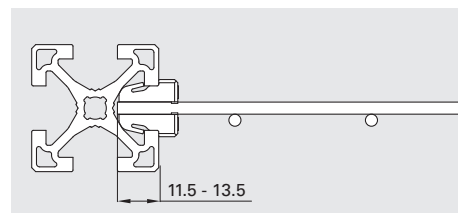
**Application**

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

**Technical Data**

Material: PA6 V0

Color: RAL 7004 (signal gray)

**Assembly****Order Code**

| Description    | Order Code | Weight   |
|----------------|------------|----------|
| Weld Mesh Clip | SSP 4520   | 0.005 kg |

## SSP 4515

## Mesh Retainer

**Application**

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

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

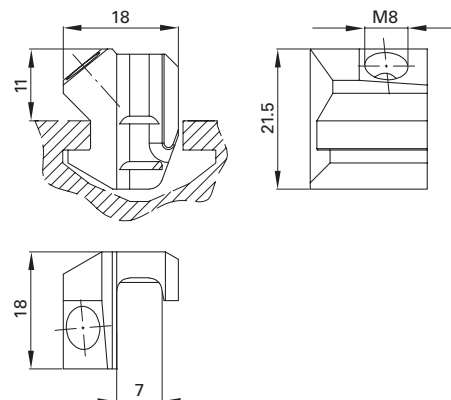
**Technical Data**

Material: steel

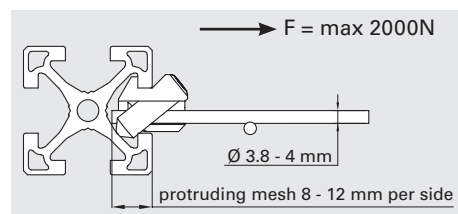
**Scope of Delivery**

1 Mesh Retainer SSP 4514

1 Set Screw GST M08x025 (waxed)



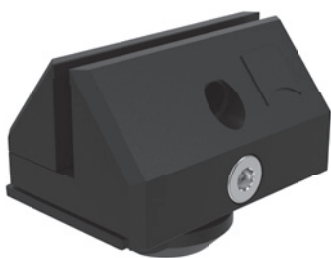
Transfer resistance per conductive connection: 0.4 mΩ

**Assembly****Order Code**

| Description       | Order Code | Weight   |
|-------------------|------------|----------|
| Mesh Retainer Kit | SSP 4515   | 0.025 kg |

1) Please complete the order code by adding the desired width and length.

Drawing dimensions in mm



## Application

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

- As standard, panels do not need to be drilled
- High retention force

## Technical Data

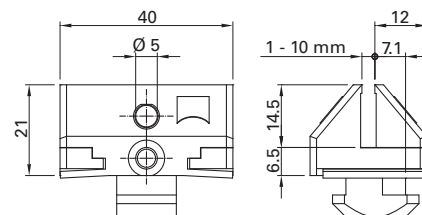
Material: PA6, black, galvanized steel

Load: up to 250 N, perpendicular to slot

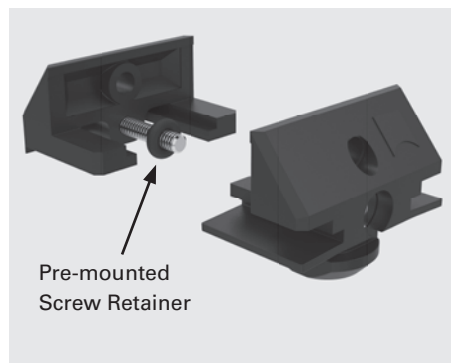
Centerline: 1 - 10 mm

### Protection against inadvertent movement

of panels through pre-tensioning of clamps



## Screw Retainer



## 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

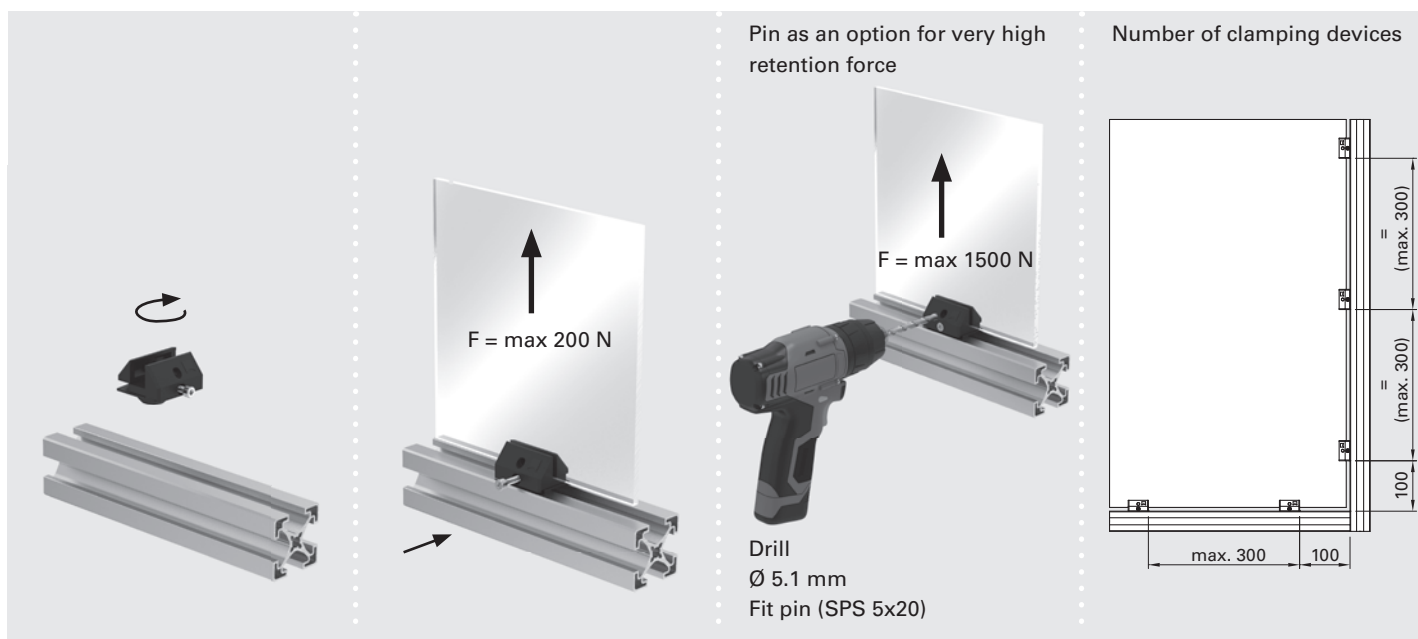
1 screw IBS M04x25

### 1 Screw Retainer

### Panel size

inside width minus 15 mm

## Assembly



### Order Code

| Order Code          |          | Weight   |
|---------------------|----------|----------|
| Description         |          |          |
| 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.

Drawing dimensions in mm

**Application**

For fastening of panels between 1 - 3 mm and 3.1 - 6 mm thick, also suitable for later installation

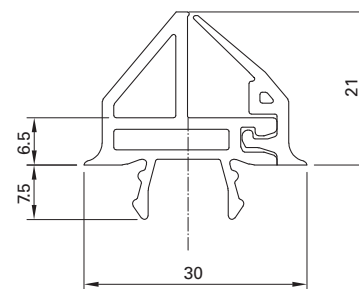
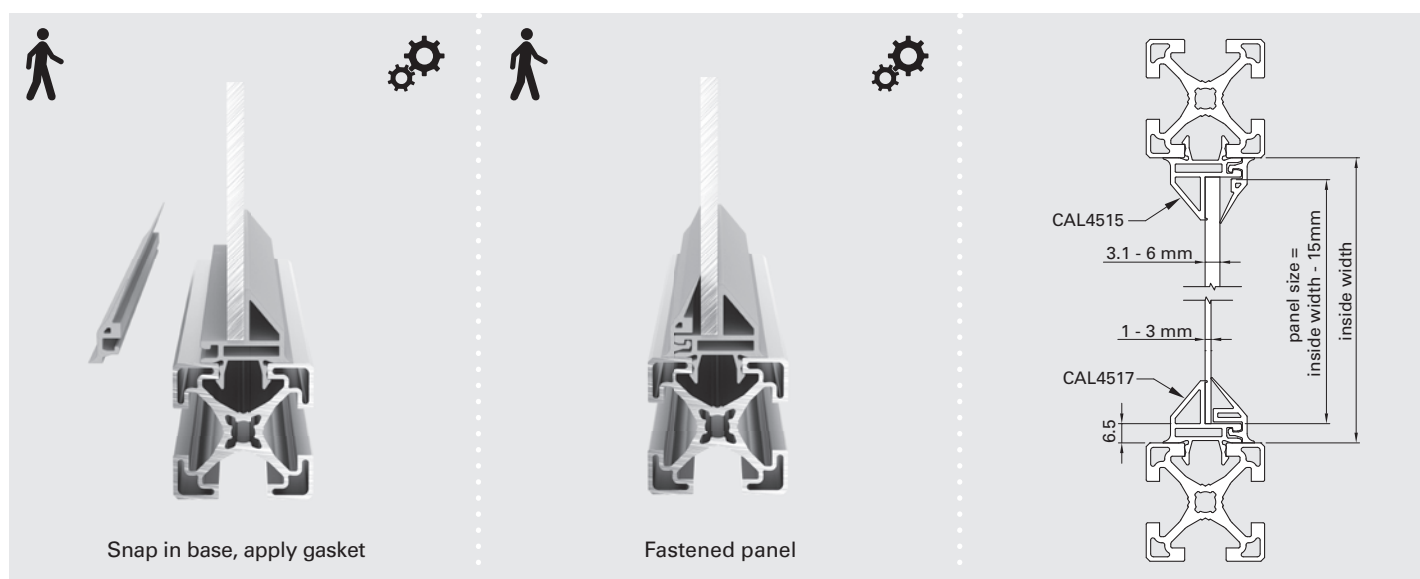
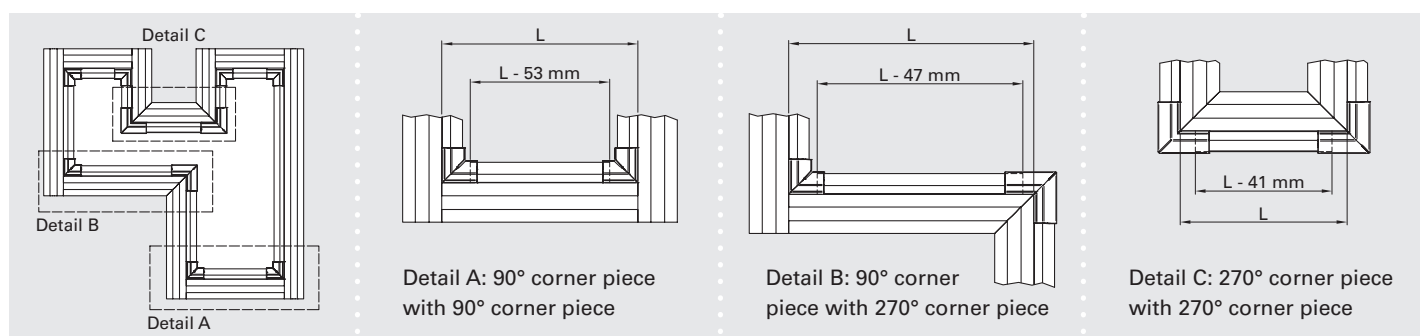
- Adequate protection against dust, water spray and noise
- Appealing design

**Technical Data**

Material: impact-resistant PVC with soft lip, RAL 7004 (signal gray), UV-resistant, silicone-free

Temperature range: -10°C to +60°C

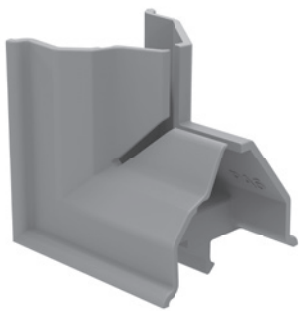
Stock length: 3000 mm

**Assembly****Length Calculation****Order Code**

| Description                                               | Order Code <sup>1</sup> |              |
|-----------------------------------------------------------|-------------------------|--------------|
|                                                           | Length                  | Weight/Meter |
| Panel Profile, 3.1 - 6 mm, cut to length                  | CAL 4515 SNN ____       | 0.280 kg     |
| Panel Profile, 3.1 - 6 mm, stock length: 3000 mm          | CAL 4515 NNN 3000       | 0.280 kg     |
| Panel Profile, 3.1 - 6 mm, 25 rods, stock length: 3000 mm | CAL 4515 PAC 0025       | 0.280 kg     |
| Panel Profile, 1 - 3 mm, cut to length                    | CAL 4517 SNN ____       | 0.280 kg     |
| Panel Profile, 1 - 3 mm, stock length: 3000 mm            | CAL 4517 NNN 3000       | 0.280 kg     |
| Panel Profile, 1 - 3 mm, 25 rods, stock length: 3000 mm   | CAL 4517 PAC 0025       | 0.280 kg     |

CAN 4501

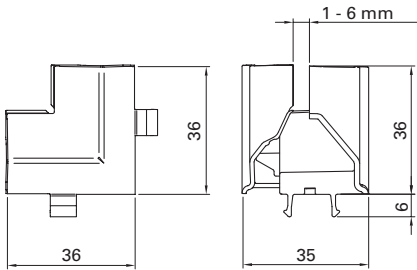
90° Corner Piece



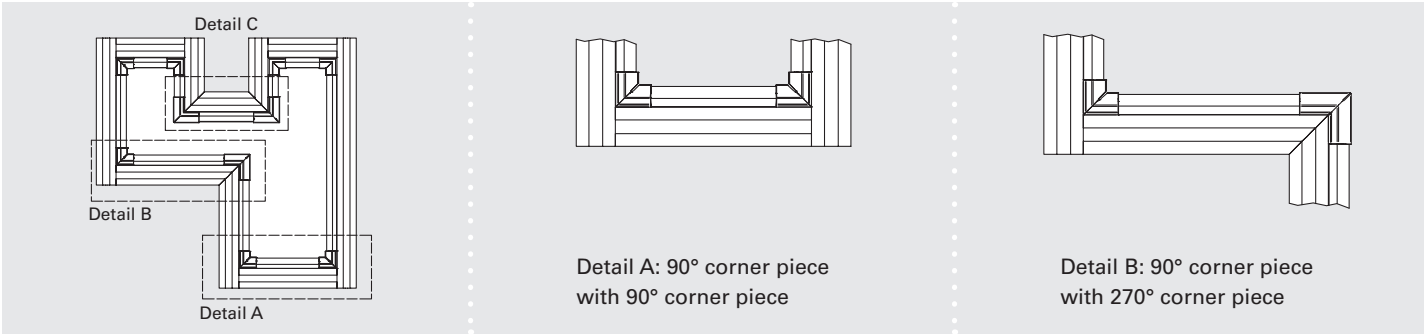
**Application**  
Used as 90° corner trim for Panel Profiles CAL 4515 and CAL 4517

**Technical Data**  
Material: POM, UV-resistant, silicone-free  
Color: RAL 7004 (signal gray)  
Temperature Range: -10 °C to +60 °C

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



Assembly



Order Code

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



Drawing dimensions in mm

CAN 4503

270° Corner Piece



Application

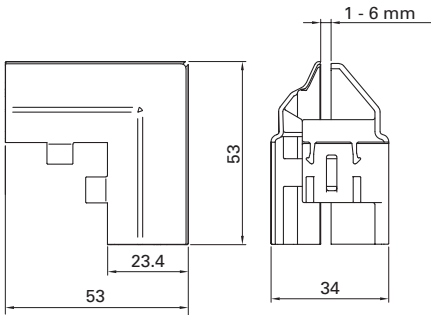
Used as 270° corner trim for Panel Profiles CAL 4515 and CAL 4517

Technical Data

Material: PA6, UV-resistant, silicone-free  
Color: RAL 7004 (signal gray)  
Temperature Range: -10 °C to +60 °C

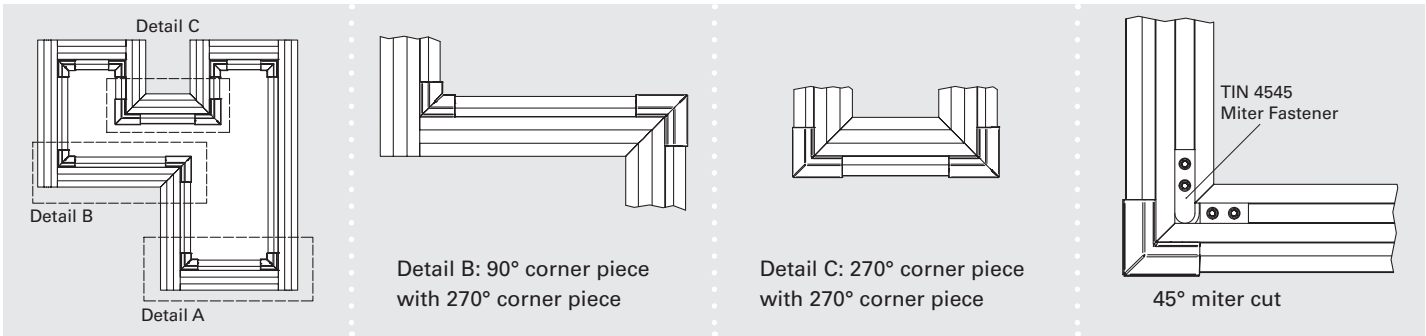
Scope of Delivery

- 1 270° Corner Piece Base Part
- 1 270° Corner Piece Top Part



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

Assembly



Order Code

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

Drawing dimensions in mm



TIN 4511

Safety Fence Fastener



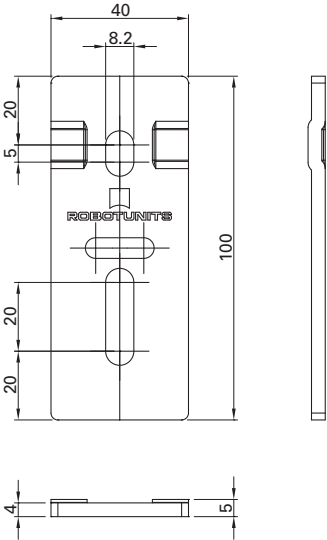
Application

For variable fastening options of safety fence components

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

Technical Data

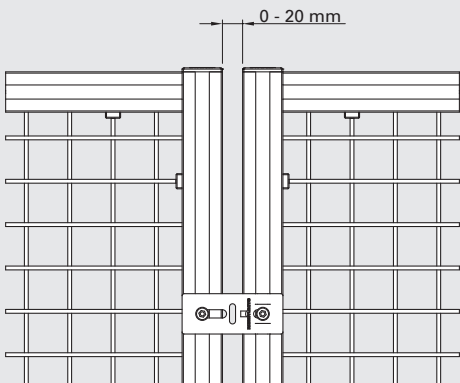
Material: galvanized steel



Assembly



Sturdy connection between panels



Order Code

| Description               | Scope of Delivery |          |                 | Order Code              | Weight   |
|---------------------------|-------------------|----------|-----------------|-------------------------|----------|
|                           | TIN 4510          | TIN 4598 | IBS M08x016NIKO |                         |          |
| Safety Fence Fastener Kit | 1                 | 2        | 2               | TIN 4511 <sup>1</sup>   | 0.150 kg |
| Safety Fence Fastener Kit | 1                 | 2        | 2               | TIN 4511CP <sup>2</sup> | 0.150 kg |

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

## TIN 4521

## 90° Safety Fence Fastener

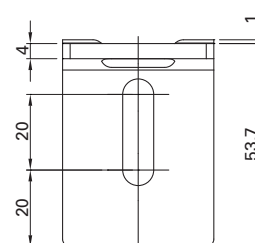
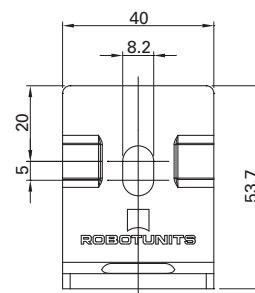
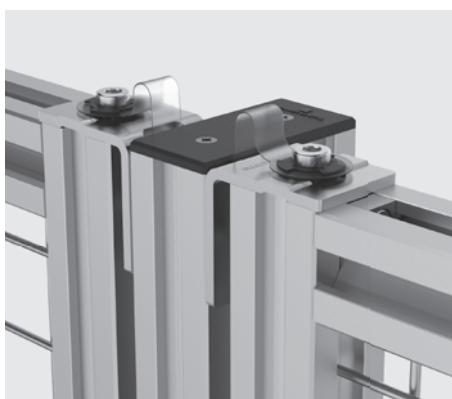
**Application**

For variable fastening options of safety fence components

- 90° connections of extrusions and as end cap
- Strong connection between panels
- Adjustable corner brackets from 0° to 180°

**Technical Data**

Material: galvanized steel

**Assembly****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 <sup>1</sup>   | 0.150 kg |
| 90° Safety Fence Fastener Kit | 1                 | 2        | 2               | TIN 4521CP <sup>2</sup> | 0.150 kg |

1) Packaged in Kit

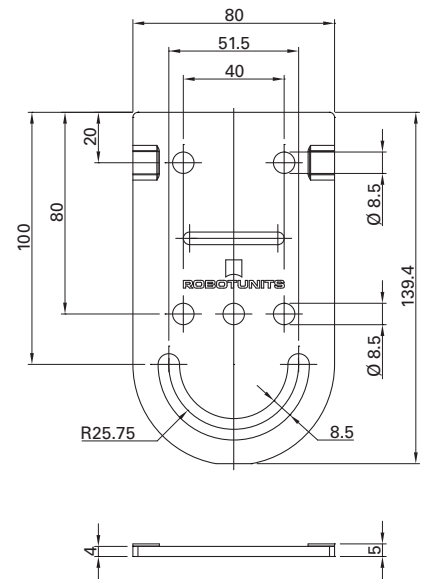
2) Packaged by type, available for an order quantity of 100 or more

Drawing dimensions in mm

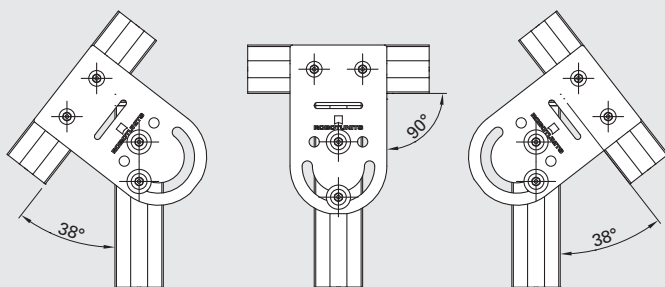


- Sturdy connection of conveyor and stand
- Infinitely adjustable incline

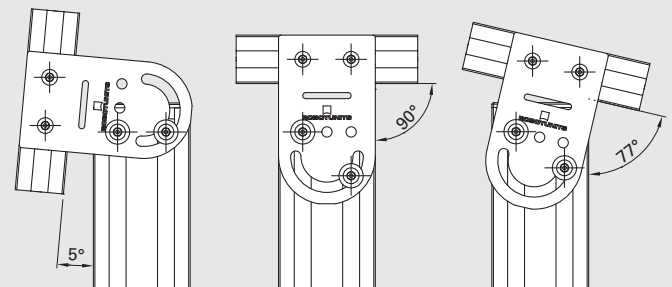
Material: galvanized steel



## 40 mm series



80 mm series



| Description       | Part Number | Price      |
|-------------------|-------------|------------|
| Tilt Plate 80 Kit | 80-000000   | \$1,200.00 |

| Scope of Delivery |          |                 |             |
|-------------------|----------|-----------------|-------------|
| TIN 4530          | TIN 4508 | IBS M08x016NIKO | BLS M008S02 |
| 1                 | 4        | 4               | 2           |

|            |          |
|------------|----------|
| Order Code | Weight   |
| TIN 4561   | 0.370 kg |



ROBOTUNITS®

## TIN 4571

## Tilt Plate 80 Bent

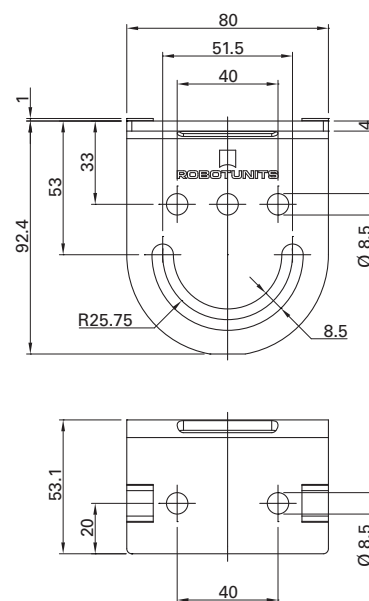
**Application**

Variable connection of modular components

- Workplace applications e.g. for shelves
- Infinitely adjustable incline (Bracket as with TIN 4531)

**Technical Data**

Material: galvanized steel



## Application

Workstation



## Order Code

| Description            | Scope of Delivery |          |                 |             | Order Code | Weight   |
|------------------------|-------------------|----------|-----------------|-------------|------------|----------|
|                        | TIN 4540          | TIN 4508 | IBS M08x016NIKO | BLS M008S02 |            |          |
| Tilt Plate 80 Bent Kit | 1                 | 4        | 4               | 2           | TIN 4571   | 0.370 kg |

Drawing dimensions in mm

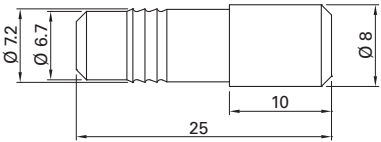
SSP 4900

Bolt

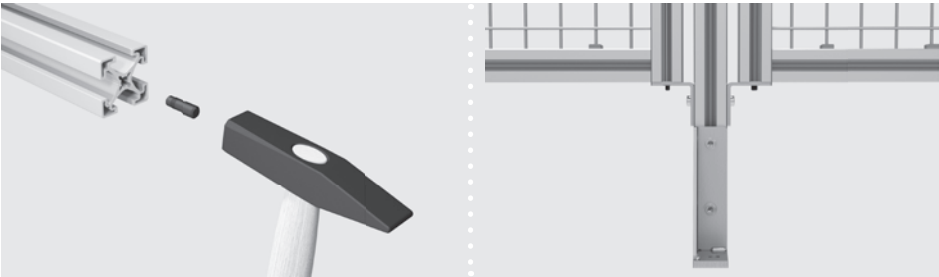


**Application**  
For mounting Allround Panels

**Technical Data**  
Material: nitrated steel



Function



Order Code

| Description | Order Code | Weight   |
|-------------|------------|----------|
| Bolt        | SSP 4900   | 0.010 kg |

SSP 5500

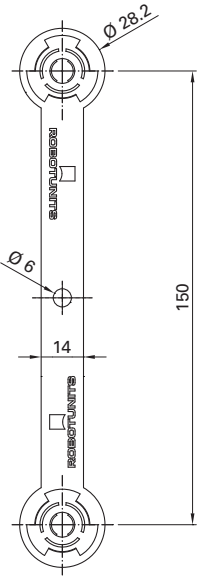
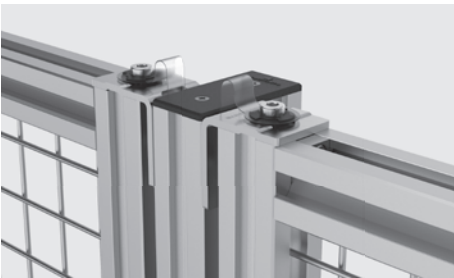
Screw Retainer



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

**Technical Data**  
Material: PVC and PA

Application



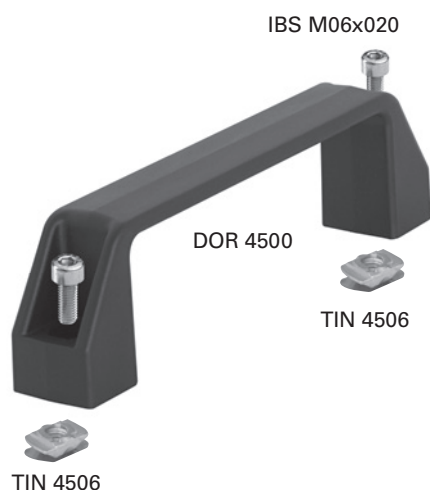
Order Code

| Description    | Order Code | Weight   |
|----------------|------------|----------|
| Screw Retainer | SSP 5500   | 0.001 kg |

Drawing dimensions in mm

## DOR 4501

## Handle

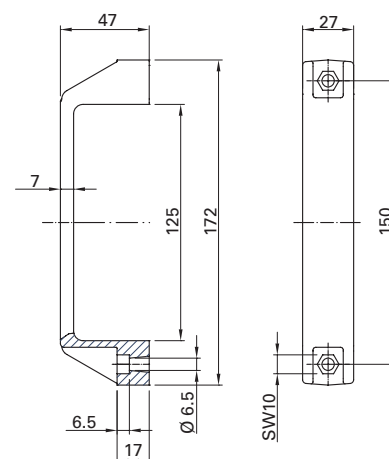
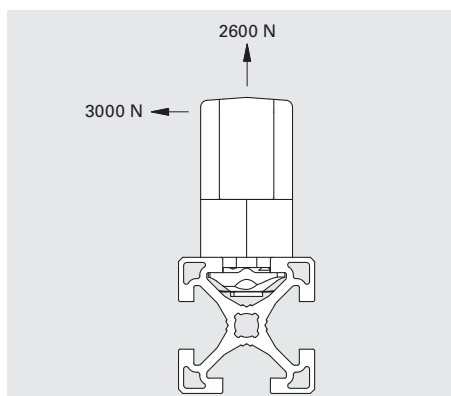
**Application**

For use with doors, panels, carts etc.

**Technical Data**

Material: PA/GF composite, galvanized steel

## Retention Force



## 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

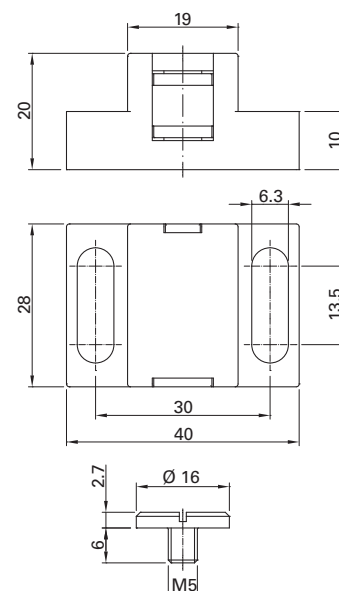
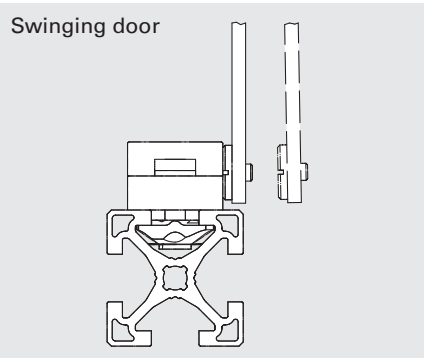
**Application**

Closing device for frameless doors

**Technical Data**

Material: POM composite, black, galvanized steel

## Application



Retention Force: front 20 N, back 8 N

## Order Code

| Description       | Scope of Delivery |          |             |          | Order Code | Weight   |
|-------------------|-------------------|----------|-------------|----------|------------|----------|
|                   | DOR 4540          | TIN 4506 | IBS M06x020 | BLS M006 |            |          |
| Magnet Holder Kit | 1                 | 2        | 2           | 2        | DOR 4541   | 0.075 kg |

DOR 4551

Door Latch



TIN 4506

DOR 4550

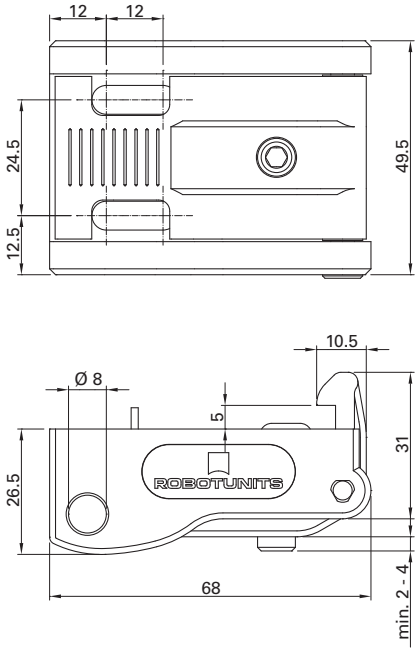
Application

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.



Application



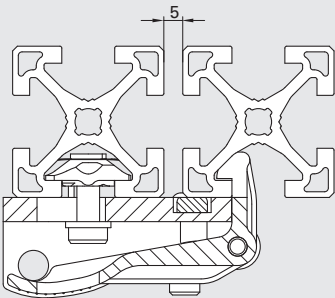
Secure: Push latch to open door.



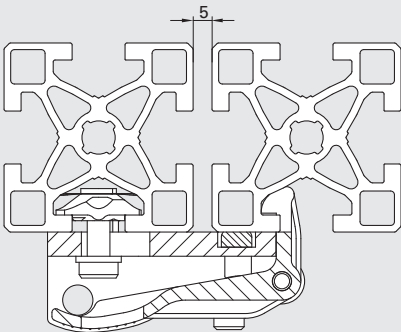
Door latch can be **secured with a padlock against inadvertent opening**. Lock bolt diameter: 7 mm



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   |
|----------------|-------------------|----------|------------|----------|
|                | DOR 4550          | TIN 4506 |            |          |
| Door Latch Kit | 1                 | 2        | DOR 4551   | 0.100 kg |

Drawing dimensions in mm

## DOR 4553

## Door Catch



TIN 4506

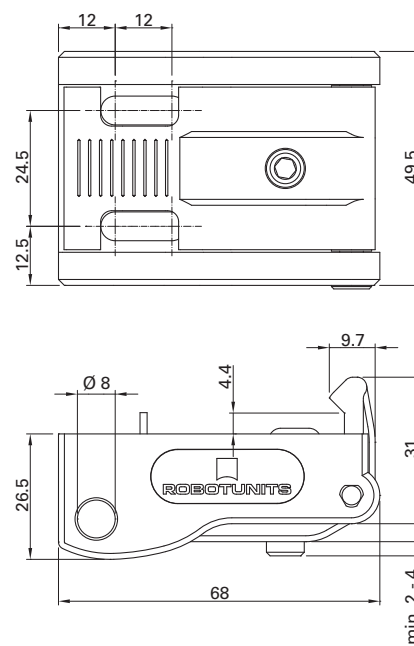
DOR 4552

**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**

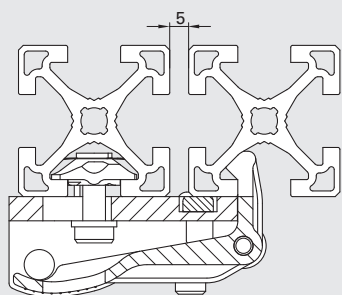
Material: PA6 30 GF, black, galvanized steel



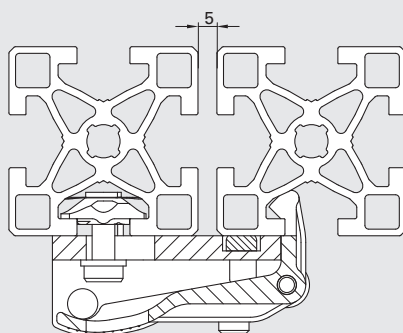
## Application



Pull to release and open.



Application of door latch in 40 mm series



Application of 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   |
|----------------|-------------------|----------|------------|----------|
|                | DOR 4552          | TIN 4506 |            |          |
| Door Catch Kit | 1                 | 2        | DOR 4553   | 0.100 kg |

Drawing dimensions in mm

## DOR 4555

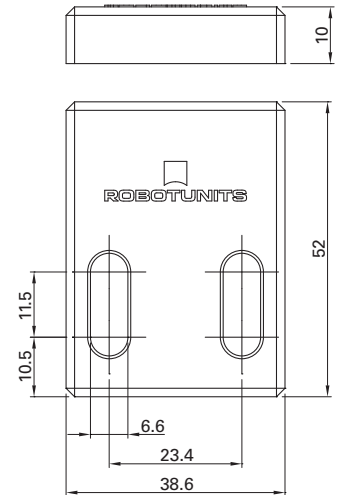
## Door Stop

**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 | BLS M006 |            |          |
| Door Stop Kit | 1                 | 2        | 2           | 2        | DOR 4555   | 0.020 kg |

## DOR 4557

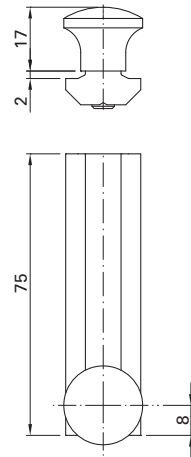
## Safety Slide

**Application**

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

**Technical Data**

Material: galvanized steel; Duroplast



## Application



## 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 |

Drawing dimensions in mm

DOR 4511

Hinge

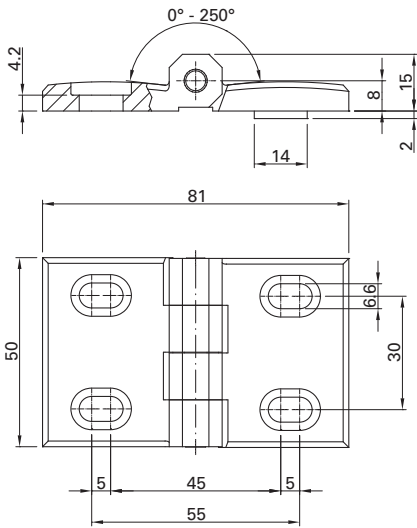
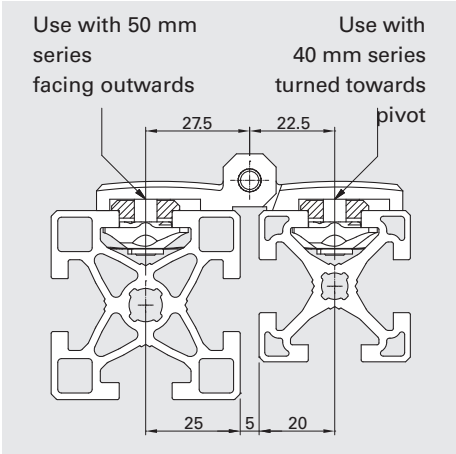


**Application**  
For hinged structures. Inserts allow for use with 40 mm and 50 mm series extrusions.

**Technical Data**  
Material: GD-Zn black, coated, galvanized steel

**Tightening torque**  
IBS M06x016NIKO = 9 Nm

Assembly



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 |

Drawing dimensions in mm

DOR 458\_

Safety Interlock

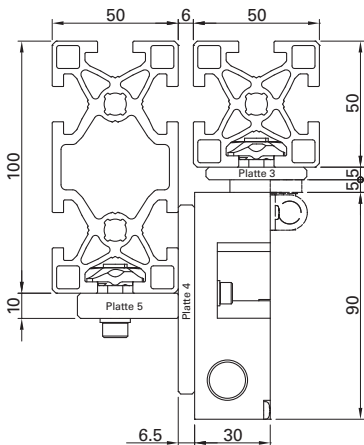


Safety Interlock with actuator and ball retainer



Safety interlock with actuator

Fastening Kit B: PIL 5010 and PIL 5050



**Application**  
Safety device for doors

**Technical Data**  
Material: clear, anodized aluminum, galvanized steel, housing of fiberglass-reinforced Thermopolus (-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

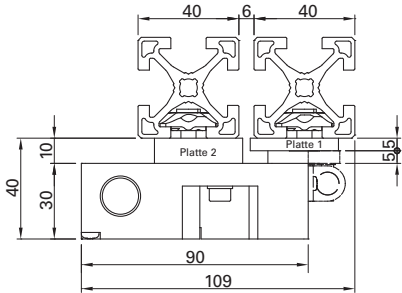
DOR 4582:  
1 Base Part  
1 Actuator  
1 Ball Retainer

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

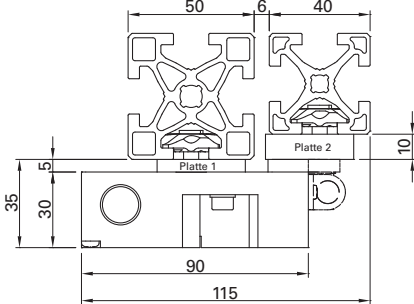
DOR 4583 (Fastening Kit B):  
1 Mounting Plate 3  
1 Mounting Plate 4  
1 Mounting Plate 5  
4 Drop-in Nuts TIN 4506  
2 Washers BLS M005  
2 Washers BLS M006  
2 Screws SKS M05x010  
2 Screws IBS M05x016  
4 Screws SKS M06x016  
2 Screws IBS M06x020

**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

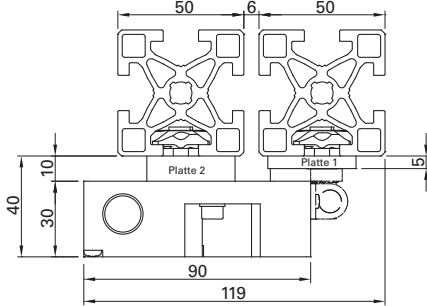
Fastening Kit A: PIL 4040 and PIL 4040



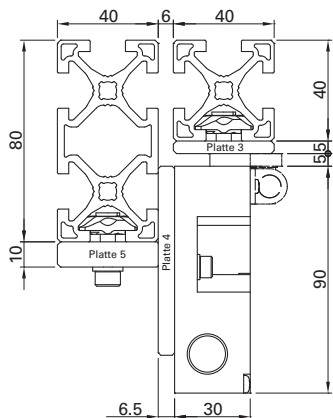
Fastening Kit A: PIL 5050 and PIL 4040



Fastening Kit A: PIL 5050 and PIL 5050



Fastening Kit B: PIL 4080 and PIL 4040

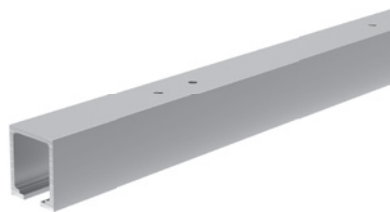


Order Code

| 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**

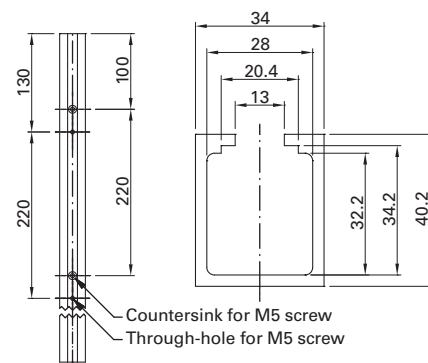
For sliding doors

**Technical Data**

Material: clear anodized aluminum

Hole spacing = 220 mm

Max. load = 80 kg per sliding door



## Order Code

| Description                                            | Order Code <sup>1</sup> |              |
|--------------------------------------------------------|-------------------------|--------------|
|                                                        | Length                  | Weight/Meter |
| Guiderail                                              | DOL 4034 SNN _ _ _ _    | 0.996 kg     |
| Guiderail of maximum standard length (approx. 6050 mm) | DOL 4034 NNN 6050       | 0.996 kg     |

## DOR 4031

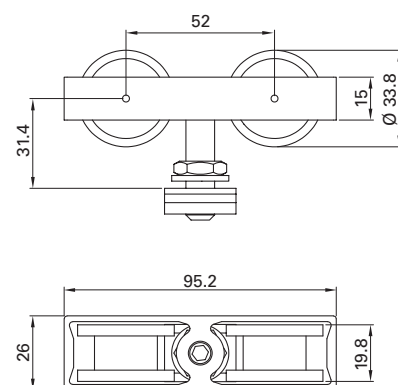
## Roller

**Application**

Sliding Door

**Technical Data**

Material: clear anodized aluminum, PA6 white, galvanized steel



## Order Code

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

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

Drawing dimensions in mm

DOR 4032

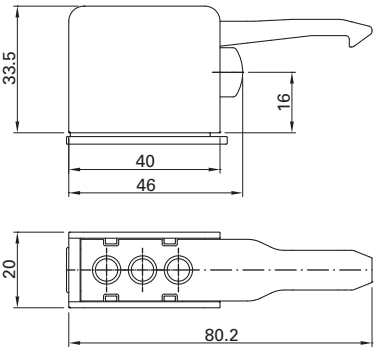
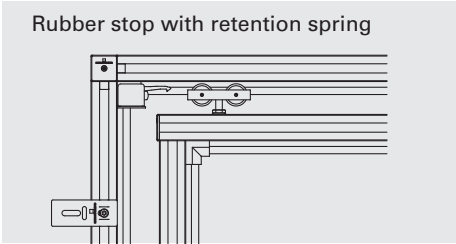
Sliding Door Stop



**Application**  
Mechanical stop and retainer for sliding door

**Technical Data**  
Material: aluminum, galvanized steel, rubber

Application

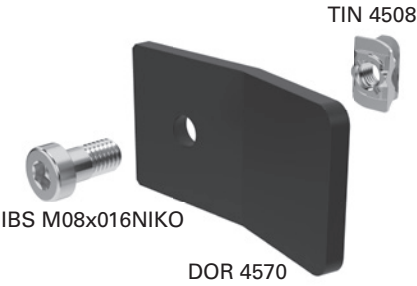


Order Code

| Description       | Order Code | Weight   |
|-------------------|------------|----------|
| Sliding Door Stop | DOR 4032   | 0.126 kg |

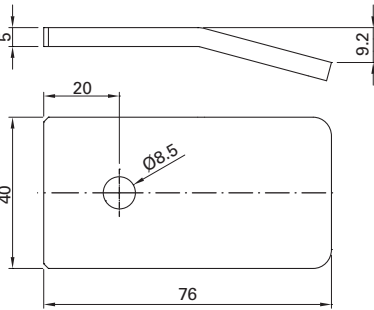
DOR 4571

Centering Guide



**Application**  
For sliding doors

**Technical Data**  
Material: powder-coated steel

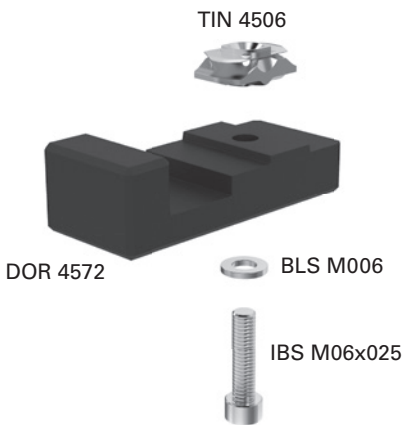


Order Code

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

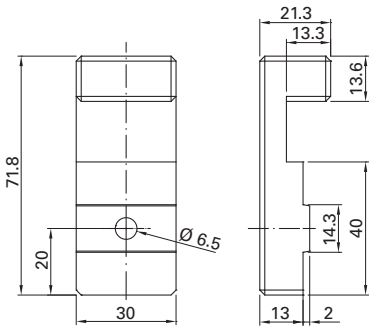
DOR 4573

Slider



**Application**  
For sliding doors

**Technical Data**  
Material: black POM composite



Order Code

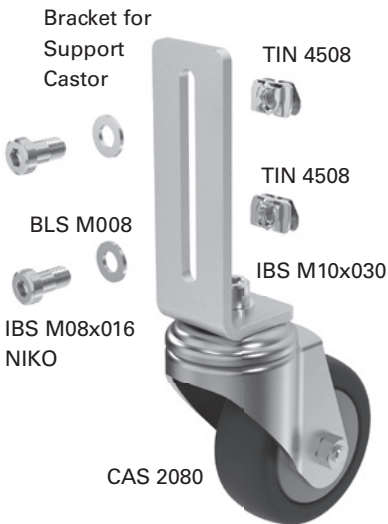
| Description | Scope of Delivery |          |             |          | Order Code | Weight   |
|-------------|-------------------|----------|-------------|----------|------------|----------|
|             | DOR 4572          | TIN 4506 | IBS M06x025 | BLS M006 | DOR 4573   |          |
| Slider Kit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

Drawing dimensions in mm





Door Support Castor Kit, rigid



Door Support Castor Kit, swivel

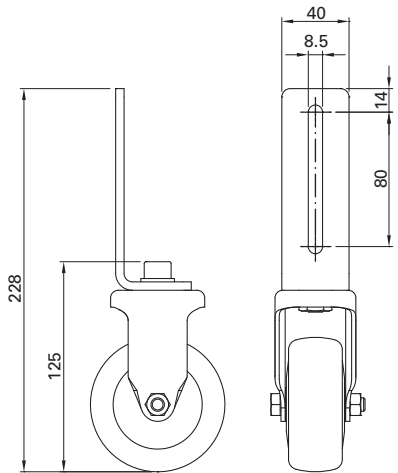
**Application**  
Rolling support for panels, doors

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

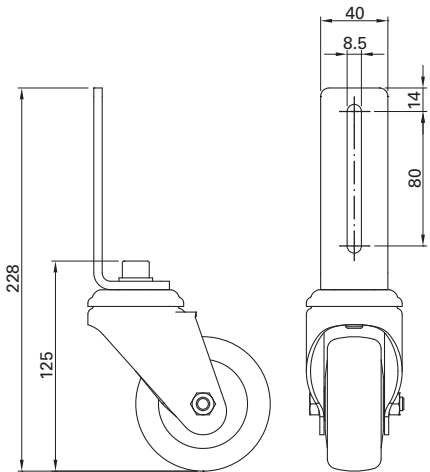
- Scope of Delivery**  
Door Support Castor Kit, rigid  
DOR 4565:  
1 Rigid Castor with Bolt Hole Fitting CAS 2082  
1 Bracket for Support Castor  
1screw IBS M10x020  
2 Washers BLS M010  
1 Hexagon Nut SKM M10  
2 Screws IBS M08x016NIKO  
2 Drop-in Nuts TIN 4508  
2 Washers BLS M008

- 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

Door Support Castor Kit, rigid



Door Support Castor Kit, swivel



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 |

Drawing dimensions in mm

DOR 4561

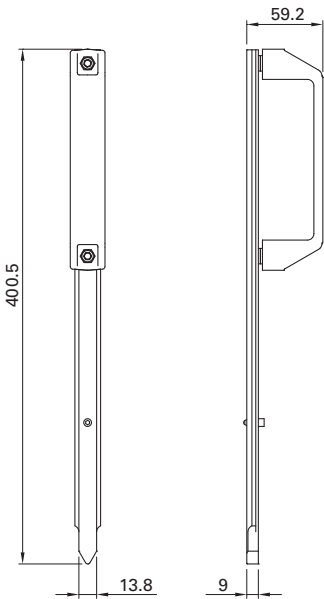
Floor Catch



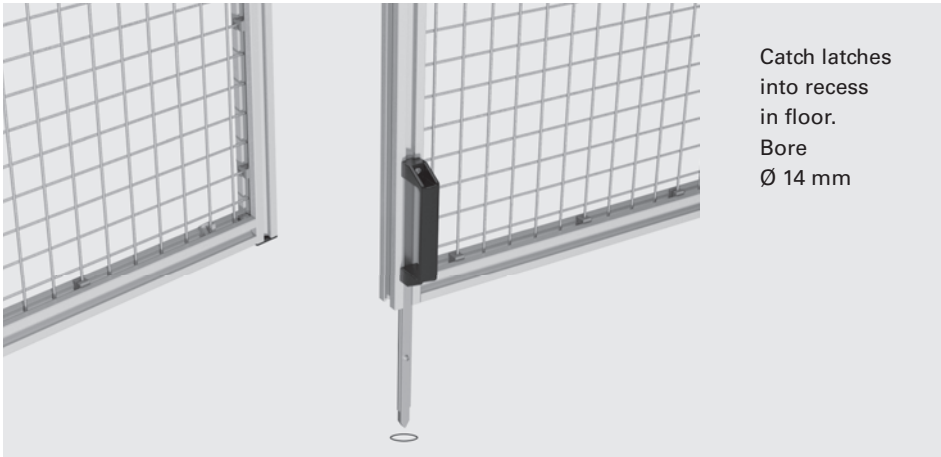
**Application**  
For double door

**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



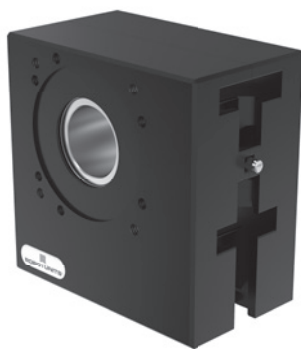
Application



Order Code

| Description     | Order Code | Weight   |
|-----------------|------------|----------|
| Floor Catch Kit | DOR 4561   | 0.545 kg |

Drawing dimensions in mm



## Application

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

## Technical Data

Material: black anodized aluminum,  
steel

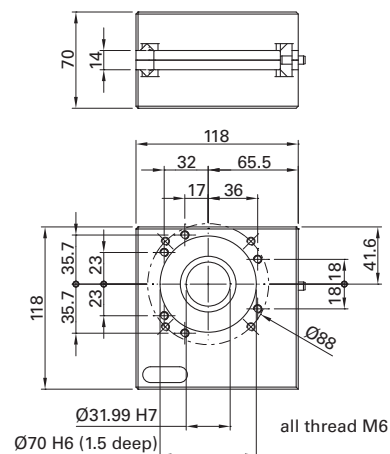
Max. drive torque: 60 Nm

Carriage stroke per revolution:

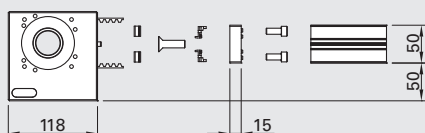
200 mm

Pitch circle diameter: 63.66 mm

Flange plates for motor connection are available upon request.



## Application

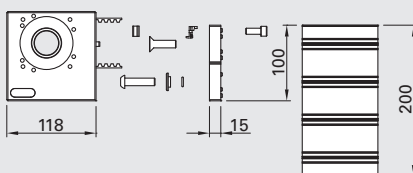


### Connection Option LIN 5451

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

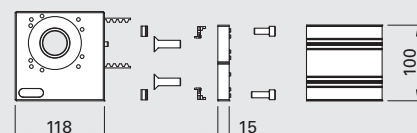


## Connection Option LIN 5421

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
- 1screw 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

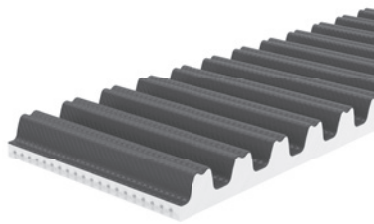
|                                           | Order Code | Weight   |
|-------------------------------------------|------------|----------|
| Description                               |            |          |
| Timing Belt Pulley                        | LIN 5400   | 1.660 kg |
| Timing Belt Pulley 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 |

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

Drawing dimensions in mm

## LIL 3008

## Timing Belt

**Timing Belt Length Calculation**

TL (Total Length), SL (Stroke Length),

L (Timing Belt Length):

$$L = 2 \times TL - 136 \text{ or } L = 2 \times SL + 944$$

**Application**

Power transmission from drive to carriage.

**Technical Data/Scope of Delivery**

Material: PU timing belt, white,

PAZ coating on toothed side,

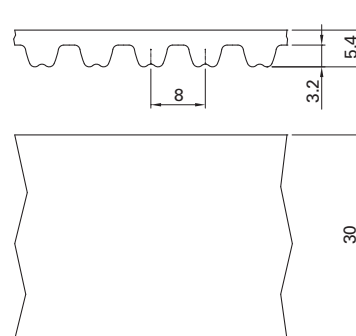
Max. tensile load: 2000 N

Recommended pre-tension of

timing belt: 0.1 % = approx. 500 N

pre-tension

Timing Belt designation: RPU-8M-30-PAZ

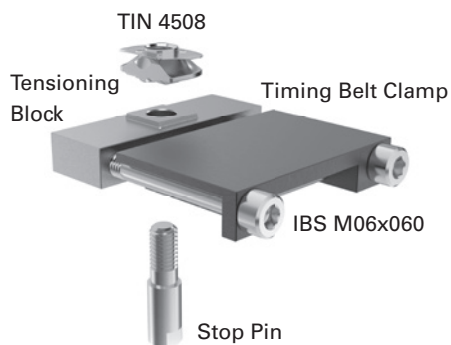


## Order Code

| Description                              | Order Code <sup>1</sup> |              |
|------------------------------------------|-------------------------|--------------|
|                                          | Length                  | Weight/Meter |
| Timing Belt RPU-8M-30-PAZ, cut to length | LIL 3008 SNN ____       | 0.155 kg     |

## LIN 3221

## Timing Belt Clamp

**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

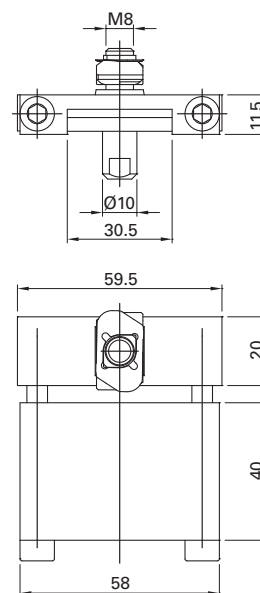
1 Timing Belt Clamp

1 Stop Pin

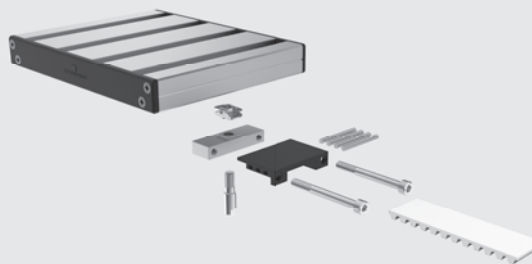
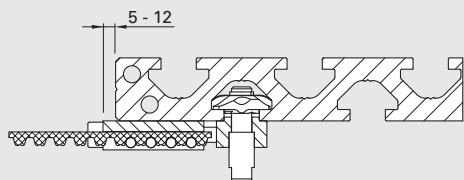
4 Timing Belt Pins

2 Screws IBS M06x060

1 Drop-in Nut TIN 4508



## Application



## Order Code

| Description           | Order Code |          |
|-----------------------|------------|----------|
|                       | Length     | Weight   |
| Timing Belt Clamp Kit | LIN 3221   | 0.205 kg |

LIN 500\_

Single Idler

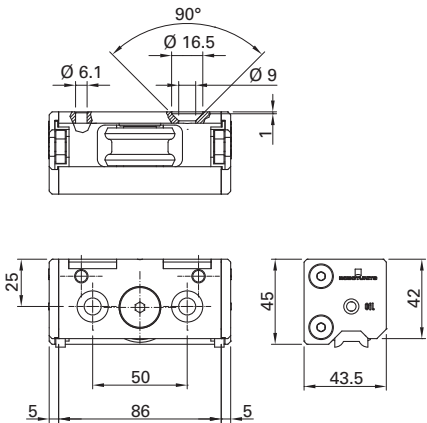


**Application**  
Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

**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 193



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

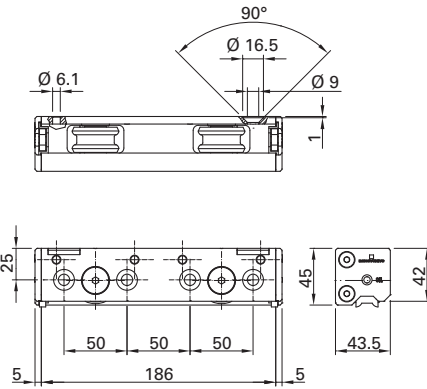


**Application**  
Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

**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 193

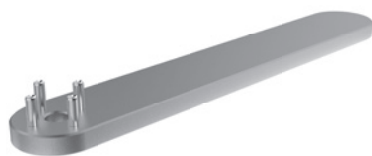


Order Code

| 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

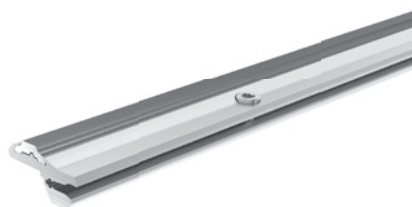


## Order Code

| 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**

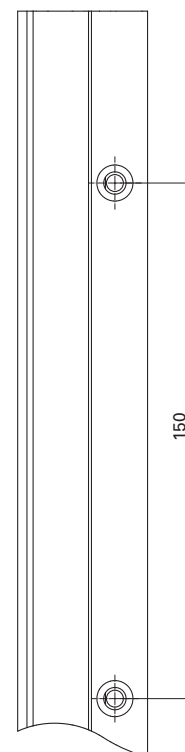
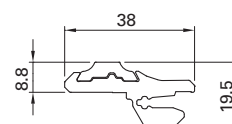
Material: tempered, brushed steel  
HRC 58 +3, clear anodized aluminum

**Scope of Delivery**

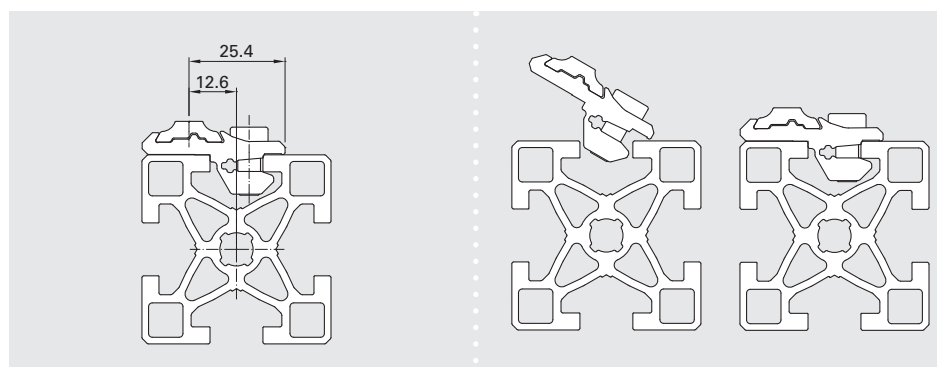
Guiderail, Rolled Steel  
and Aluminum  
screw IBS M06x012 NIKO

**Tightening torque**

IBS M06x012NIKO = 12 Nm



## Assembly



## Order Code

| Description                                             | Order Code <sup>1</sup> | Weight/Meter |
|---------------------------------------------------------|-------------------------|--------------|
| Guiderail                                               | Length                  |              |
| Guiderail, 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.

Drawing dimensions in mm

LIN 1501 / LIN 2001

Carriage Plate

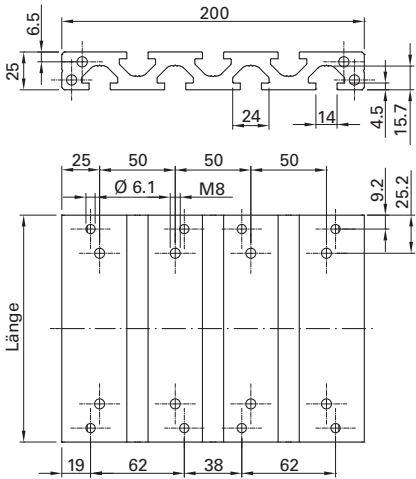


**Application**  
Carriage Plate for mounting components, assembled with Double Idlers

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

**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 193



Order Code

|                        |        | Order Code |          |
|------------------------|--------|------------|----------|
| Description            | Length |            | Weight   |
| Carriage Plate 50 Kit  | 150 mm | LIN 1501   | 1.150 kg |
| Carriage Plate 100 Kit | 200 mm | LIN 2001   | 1.530 kg |

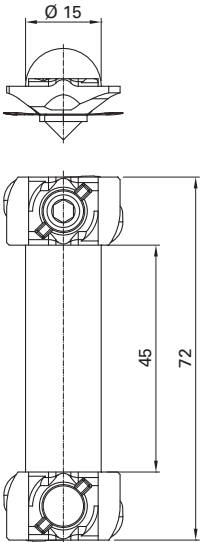
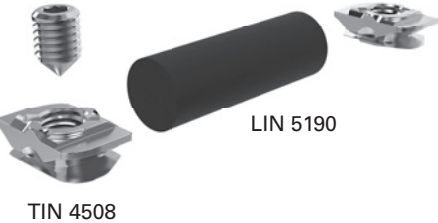
LIN 5191

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.

GST M08x012 SPI



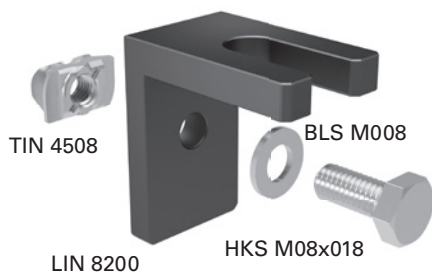
Order Code

| Description    | Scope of Delivery |          |                 | Order Code | Weight   |
|----------------|-------------------|----------|-----------------|------------|----------|
|                | LIN 5190          | TIN 4508 | GST M08x012 SPI |            |          |
| Limit Stop Kit | 1                 | 2        | 1               | LIN 5191   | 0.036 kg |

Drawing dimensions in mm

## LIN 8201

## Proximity Switch Bracket

**Application**

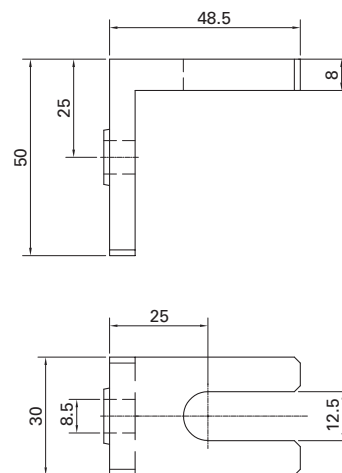
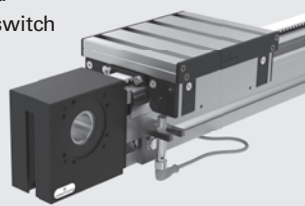
Used for mounting proximity switch; the idler is the switching surface.

**Technical Data**

Material: black anodized aluminum, galvanized steel

## Application

Bracket and proximity switch



## Order Code

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

## LIN 8310

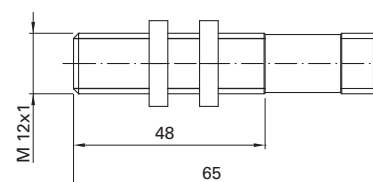
## Proximity Switch

**Application**

Inductive proximity switch for monitoring the 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   |
|-------------------------|------------|----------|
|                         | LIN 8310   |          |
| Proximity Switch, M12x1 |            | 0.185 kg |

## LIN 8312

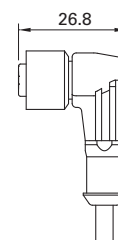
## Angle Plug With Cable

**Application**

Used with Proximity Switch LIN8310 to monitor travel limit

**Technical Data**

Cable length: 5 m  
Head A connection type: socket, M12  
4-pin, angled with LED  
Head B connection type: loose cable end



## Order Code

| Description                | Order Code | Weight   |
|----------------------------|------------|----------|
|                            | LIN 8312   |          |
| Angle Plug With Cable, 5 m |            | 0.020 kg |

LIN 5241

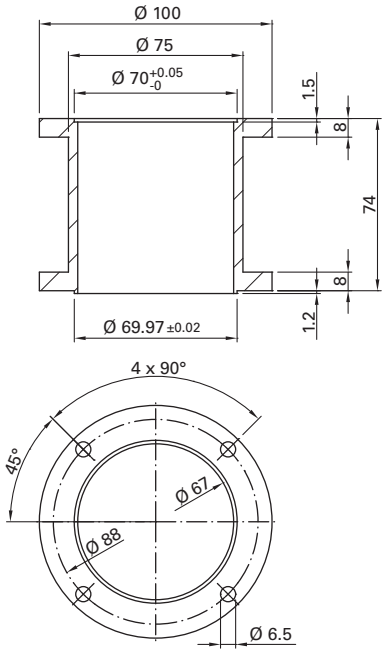
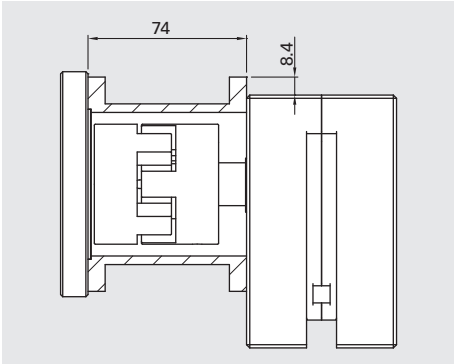
Motor Flange



**Application**  
To attach motor to Timing Belt Pulley

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

Assembly

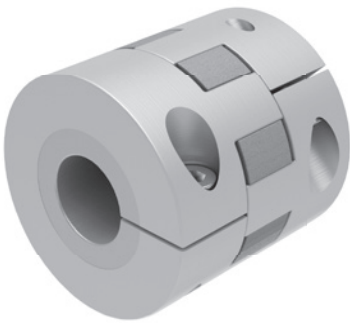


Order Code

| 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



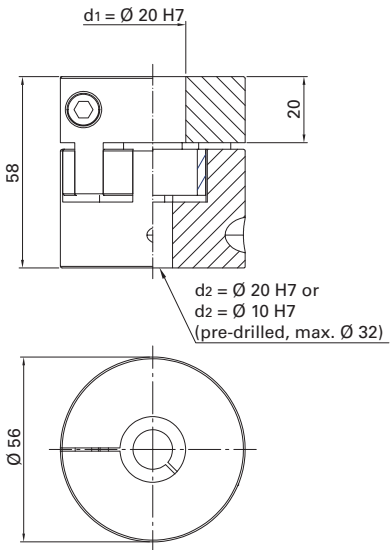
**Application**  
To connect motor to drive shaft

**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

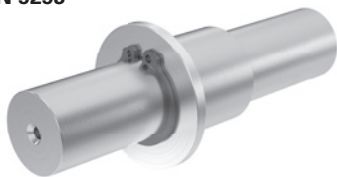
| Description                              | Order Code | Weight   |
|------------------------------------------|------------|----------|
|                                          |            |          |
| Coupling d1 = d2 = 20 mm                 | LIN 5236   | 0.360 kg |
| Coupling d1 = 20 mm, d2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

Drawing dimensions in mm

## LIN 52\_\_

## Driveshaft/Encoder Shaft

## LIN 5253



## Application

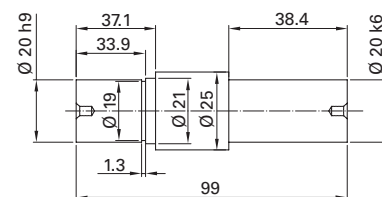
To connect Coupling to Timing Belt Pulley

## Technical Data

Material: stainless steel

Other diameters and lengths possible upon request.

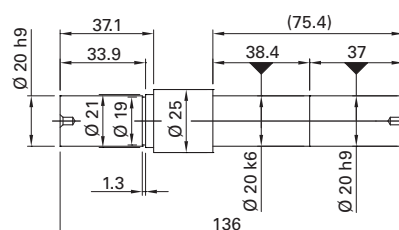
## LIN 5253



## LIN 5255



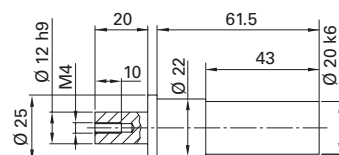
## LIN 5255



## LIN 5248

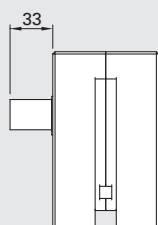


## LIN 5248

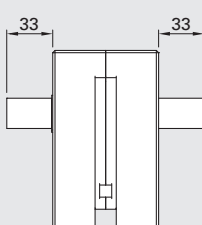


## Dimensions

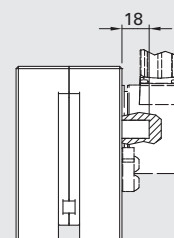
## LIN 5253



## LIN 5255



## LIN 5248



## 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 |

Drawing dimensions in mm

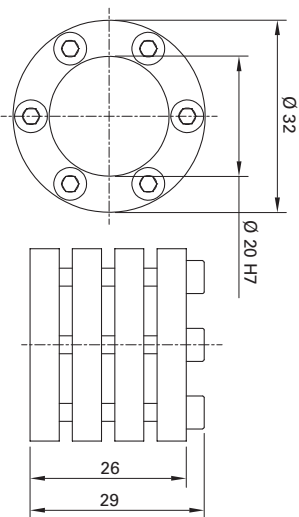
LIN 5246

Expanding Coupling



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

**Technical Data**  
Material: tempered steel  
  
Transmittable 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 |

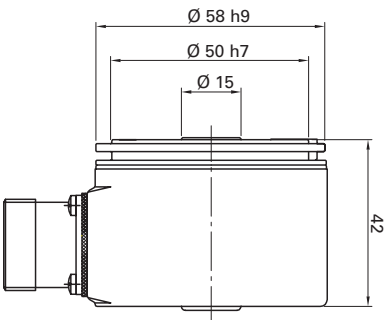
LIN 750\_

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

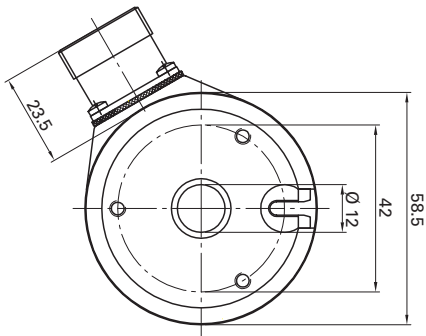


Assembly



- 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



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 |

Drawing dimensions in mm

## COL 52\_0

## Connection Shaft With Couplings

**Application**

Shaft for connecting 2 belt conveyors or two linear motion units.

**Technical Data**

Material: aluminum, elastomer star

**COL 5220 / COL 5230**

M nom. 12 Nm

M max. 25 Nm

Tightening torque: 4 Nm (COL 5220)

Tightening torque: 13 Nm (COL 5230)

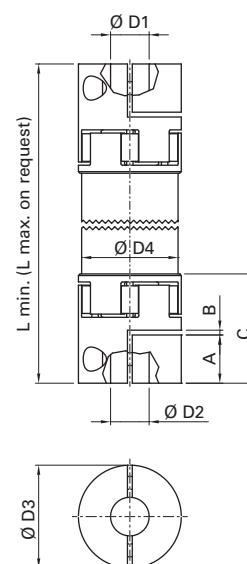
**COL 5240 / COL 5250**

M nom. 60 Nm

M max. 120 Nm

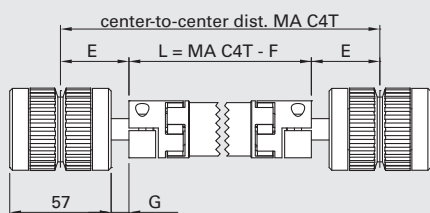
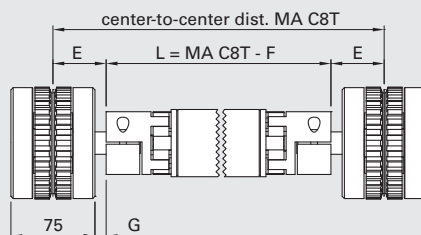
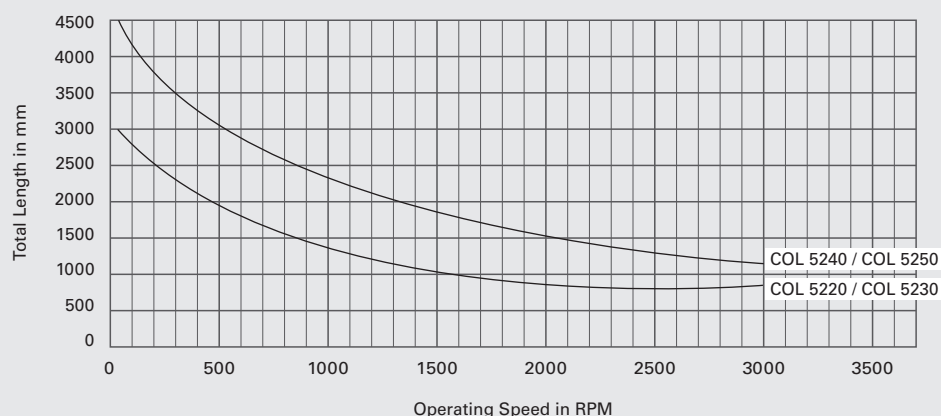
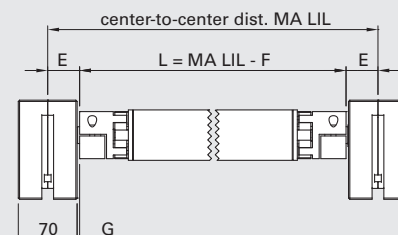
Tightening torque: 15 Nm (COL 5240)

Tightening torque: 32 Nm (COL 5250)



## Dimensions

|                             | D1 | D2 | D3 | D4 | A    | B   | C    | L min. | E    | F   | G  |
|-----------------------------|----|----|----|----|------|-----|------|--------|------|-----|----|
| COL 5220 (C4T)              | 12 | 12 | 32 | 30 | 15   | 1.5 | 34   | 99     | 38.5 | 77  | 10 |
| COL 5230 (C4T - US Version) | 12 | 12 | 46 | 35 | 17.5 | 0.8 | 49.8 | 140    | 38.5 | 77  | 10 |
| COL 5240 (C8T)              | 20 | 20 | 56 | 60 | 30   | 2   | 63   | 177    | 47.5 | 95  | 10 |
| COL 5250 (C8T - US Version) | 20 | 20 | 73 | 60 | 23   | 1   | 63.5 | 196    | 54.5 | 109 | 17 |
| COL 5240 (LIL)              | 20 | 20 | 56 | 60 | 30   | 2   | 63   | 177    | 38   | 76  | 3  |
| COL 5250 (LIL - US Version) | 20 | 20 | 73 | 60 | 23   | 1   | 63.5 | 196    | 45   | 90  | 10 |

**COL 5220 / COL 5230 (C4T)****COL 5240 / COL 5250 (C8T)****COL 5240 / COL 5250 (LIL)**

## Order Code

| Description                                        | Order Code <sup>1</sup> |
|----------------------------------------------------|-------------------------|
| Connection Shaft With Couplings VWZ-30 / d = 12 mm | COL 5220 SNN ____       |
| Connection Shaft With Couplings EDC25 / d = 12 mm  | COL 5230 SNN ____       |
| Connection Shaft With Couplings VWZ-60 / d = 20 mm | COL 5240 SNN ____       |
| Connection Shaft With Couplings EDC80 / d = 20 mm  | COL 5250 SNN ____       |

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

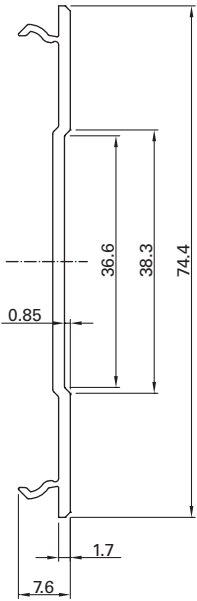
CAL 4012

Cover Extrusion For PIL 4012



**Application**  
Cable duct cover for the extrusion  
PIL 4012

**Technical Data**  
Material: ABS, gray RAL 7004  
Stock length: 3000 mm  
Temperature range: -30° to 95°



Order Code

| Description                                                                  | Order Code¹       |              |
|------------------------------------------------------------------------------|-------------------|--------------|
|                                                                              | Length            | Weight/Meter |
| Cover Extrusion For PIL4012, cut to length                                   | CAL 4012 SNN ____ | 0.145 kg     |
| Cover Extrusion For PIL 4012, 3050 mm long (usable length 3000 mm)           | CAL 4012 NNN 3050 | 0.145 kg     |
| Cover Extrusions For PIL 4012, 3050 mm long, 64 pcs. (usable length 3000 mm) | CAL 4012 PAC 0064 | 0.145 kg     |



## CAP \_\_\_\_\_

## End Cap

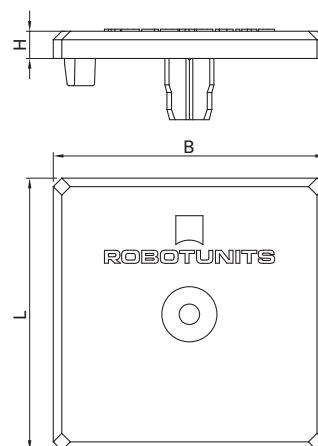
**Application**

Used for covering the ends of extrusions

- Self-centering
- Retained through expanding anchor
- Reusable

**Technical Data**

Material: black ABS V0 composite

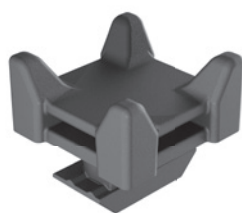


## Order Code

| 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 40x120                 | 40  | 120 | 4 | 1                 | 3        | CAP 4013   | 0.019 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

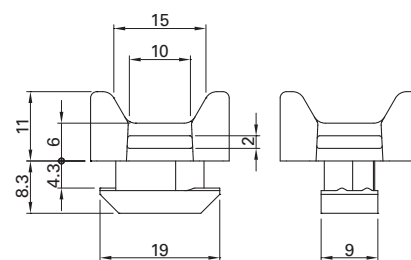
## Cable Block

**Application**

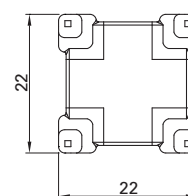
To secure cables, hoses, and lines to extrusions using cable ties in x/y direction from the T-slot

**Technical Data**

Material: PA composite  
fiberglass-reinforced, black



## Assembly



## Order Code

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

PIN 4590

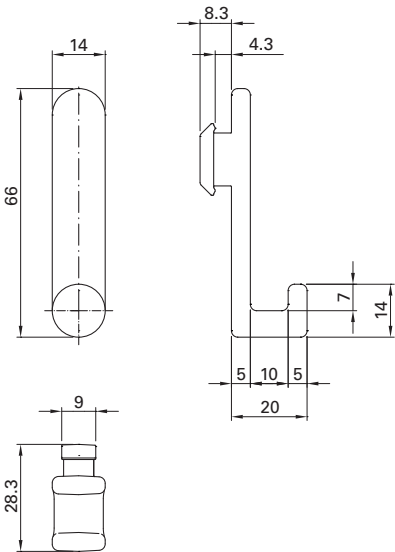
Plastic Hook



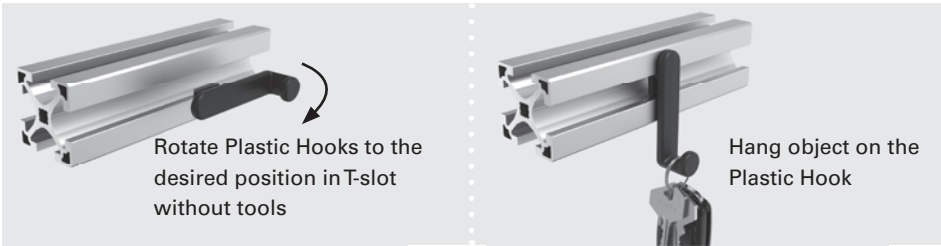
**Application**  
For hanging items and objects along the T-slot

**Technical Data**  
Material: PA composite  
fiberglass-reinforced, black

Load capacity: max. 10 kg



Function



Order Code

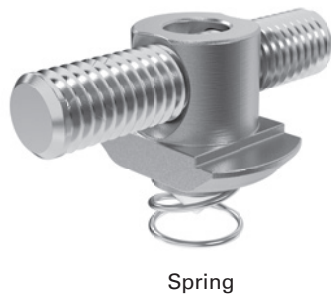
| Description  | Order Code | Weight   |
|--------------|------------|----------|
| Plastic Hook | PIN 4590   | 0.010 kg |

TIN 4501

Fine-Tuning And Fixing Element



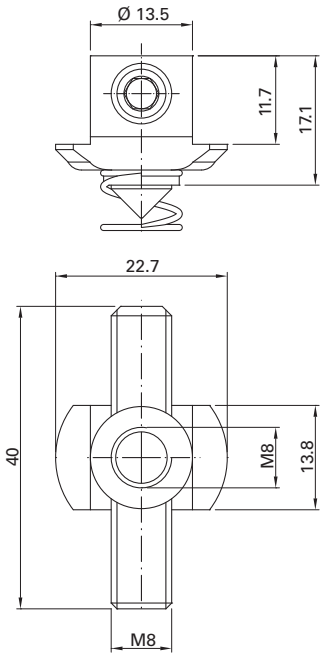
Base Part with  
GST M08x021 SPI      GST M08x040



**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 bars  
• Securing connections

**Technical Data**  
Material: galvanized steel

TIN 4501 can also be used for electrical grounding.

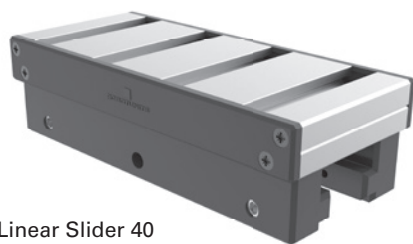


Order Code

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

## LIN 404\_ / LIN 505\_

## Linear Slider



Linear Slider 40



Linear Slider 40 with clamping lever

**Application**

Manual device for clamping / adjusting a slide on the extrusion

**Technical Data**

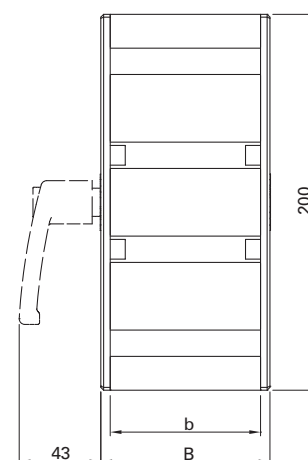
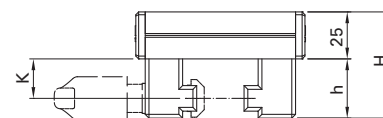
Material: clear anodized aluminum  
POM-C black, ABS V0 black, galvanized steel

**Scope of Delivery**

Completely pre-assembled, consisting of:

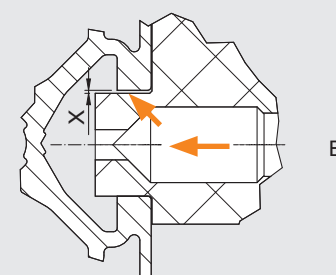
- 1 Extrusion 25 x 200 PIL 2520
- 2 Sliding guide blocks 40 or 50
- 2 End Caps CAP 2521
- 4 Cylinder screws with hexagon socket IBSM08X035 or 040
- 4 Drop-in Nuts TIN 4508
- 4 Set screws with socket head and tip GSTM10X020SPI
- 1 Clamping lever (for LIN 4041/5051)
- 1 Washer BLS M008 (for LIN 4041/5051)
- 1 T-Nut TIN 6008 (for LIN 4041/5051)

The Linear Slider is not suitable for cantilevered loads and is NOT a replacement for a Linear Motion Unit.



## Assembly

Adjusting the guide play X via a set screw



## Order Code

| Description                          | b  | B   | h    | H    | K  | Order Code | Weight   |
|--------------------------------------|----|-----|------|------|----|------------|----------|
| Linear Slider 40                     | 80 | 90  | 31.5 | 56.5 | 21 | LIN 4040   | 1.170 kg |
| Linear Slider 40 with clamping lever | 80 | 90  | 31.5 | 56.5 | 21 | LIN 4041   | 1.245 kg |
| Linear Slider 50                     | 90 | 100 | 36.5 | 61.5 | 26 | LIN 5050   | 1.245 kg |
| Linear Slider 50 with clamping lever | 90 | 100 | 36.5 | 61.5 | 26 | LIN 5051   | 1.400 kg |

Drawing dimensions in mm

**Application**

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

- Dust protection
- Splash guard
- Cable routing
- Cover extrusion for LED lighting with CAL 4508

**Technical Data**

Material: impact-resistant PVC with soft lip

Stock length: 2000 mm

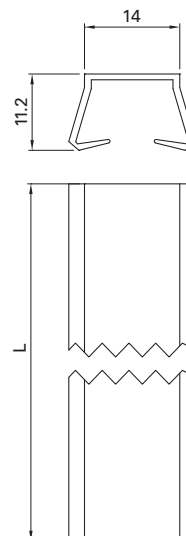
**LED lighting with CAL4508\***

Max. power of the LED: 20 W/m

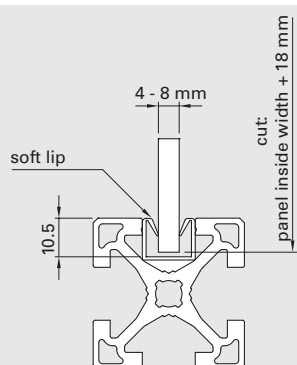
Light intensity 1 m below the extrusion

with a luminous flux of 2000 lm/m:

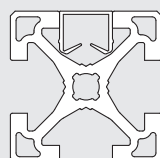
850 Lux



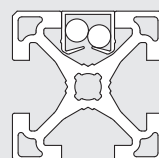
## Application



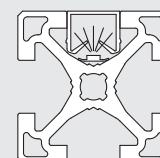
Application as  
insert extrusion



Application as a  
cover extrusion



Application as a  
cover extrusion for  
cable routing



Application as a  
cover extrusion with  
LED lighting\*

## Order Code

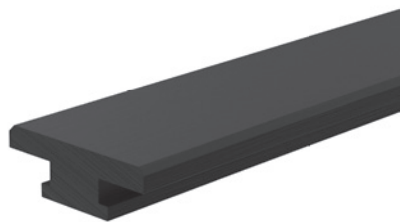
| Description                                                       | Order Code <sup>1</sup> |              |
|-------------------------------------------------------------------|-------------------------|--------------|
|                                                                   | Length                  | Weight/Meter |
| Cover/Insert Extrusion, black, cut to length                      | CAL 4500 SNN ____       | 0.050 kg     |
| Cover/Insert Extrusion, black, stock 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, stock length 2000 mm     | CAL 4504 NNN 2000       | 0.050 kg     |
| Cover/Insert Extrusion, RAL 1021 yellow, 160 lengths at 2000 mm   | CAL 4504 PAC 0160       | 0.050 kg     |
| Cover/Insert Extrusion, white translucent, cut to length          | CAL 4508 SNN ____       | 0.050 kg     |
| Cover/Insert Extrusion, white translucent, stock length 2000 mm   | CAL 4508 NNN 2000       | 0.050 kg     |
| Cover/Insert Extrusion, white translucent, 160 lengths at 2000 mm | CAL 4508 PAC 0160       | 0.050 kg     |
| Cover/Insert Extrusion, RAL 7004 gray, 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.

Drawing dimensions in mm

## CAL 4540

## T-Slot Sliding Rail

**Application**

Simple linear guidance in the T-slot

**Technical Data**

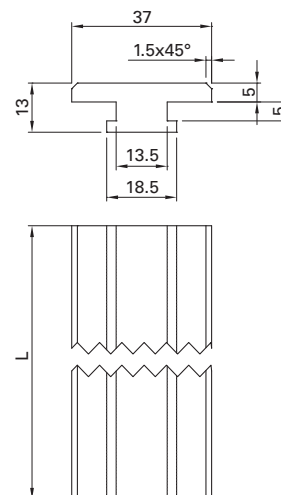
Material: PAS-PE3 composite, black

Stock length: 2000 mm

Temperature range:

-10° to 70° continuous,

90° to 100° short-term



## Order Code

|                                            |        | Order Code <sup>1</sup> |              |
|--------------------------------------------|--------|-------------------------|--------------|
| 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

## Aluminum Cover Extrusion

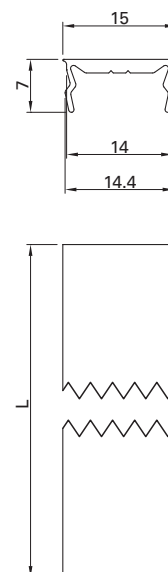
**Application**

Used for covering T-slots:

- Dust protection
- Splash guard
- Cable routing

**Technical Data**

Material: anodized aluminum



## Order Code

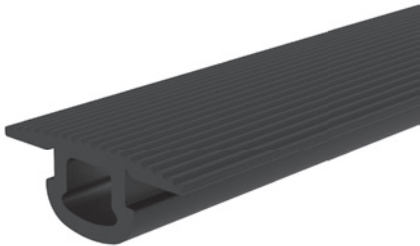
|                                                                         | Order Code <sup>1</sup> |              |
|-------------------------------------------------------------------------|-------------------------|--------------|
| Description                                                             | Length                  | Weight/Meter |
| Aluminium Cover Extrusion, cut to length                                | CAL 4545 SNN ____       | 0.043 kg     |
| Aluminum 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.

Drawing dimensions in mm

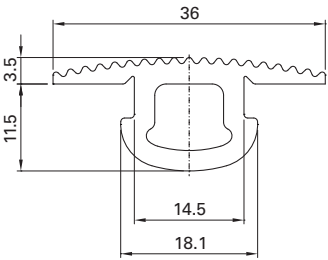
CAL 4560

Anti-Slip Profile



**Application**  
Anti-slip protection for steps  
(ladders, stairs, etc.)

**Technical Data**  
Material: NBR 80 Shore A  
Temperature range:  
-30° to 100° continuous,  
-50° to 120° short-term



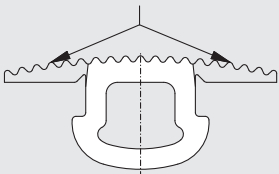
Application

Function of Anti-Slip Profile



Rework

Cut away this part of the profile



Modification for use as door gasket,  
bumper, etc.

Useful for many purposes!  
  
The non-slip extrusion can also be used  
as a sealing extrusion or a buffer extru-  
sion by cutting the side rubber lips.

Order Code

| Description                         | Order Code <sup>1</sup> |              |
|-------------------------------------|-------------------------|--------------|
|                                     | 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.  
Drawing dimensions in mm

CAL 4565

Gasket

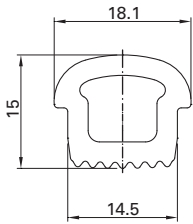


Application

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

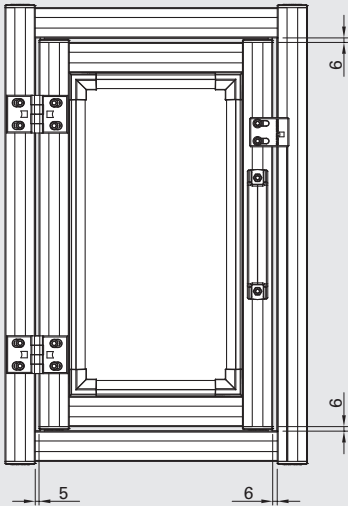
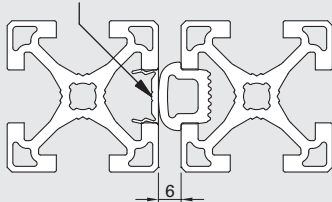
Technical Data

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



Function

Aluminum Cover Extrusion CAL 4545



Order Code

|                       | Order Code <sup>1</sup> |              |
|-----------------------|-------------------------|--------------|
| 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.  
Drawing dimensions in mm

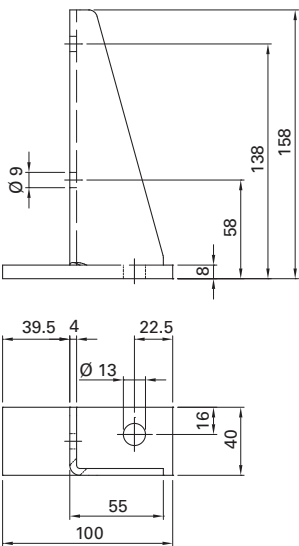
BAP 205\_

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  
Height adjustment - 20 / + 5 mm



Assembly



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 |

BAP 2900

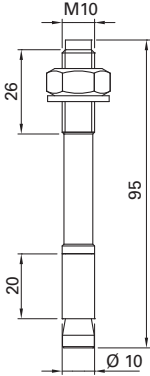
Anchor Bolt



**Application**  
For anchoring structures to the floor

**Technical Data**  
Material: galvanized steel

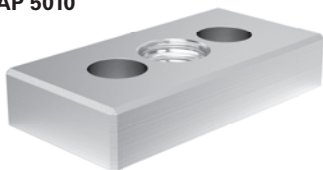
Permitted tensile load: 6.7 kN  
(concrete hardness class C20/25)  
Minimum anchor depth: 60 mm



Order Code

| Description | Order Code | Weight   |
|-------------|------------|----------|
| Anchor Bolt | BAP 2900   | 0.055 kg |

**BAP 4080**  
**BAP 5010**



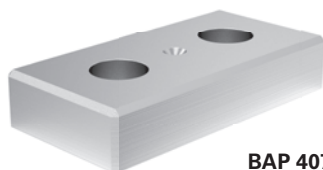
#### Application

Used for attaching leveling bases or other transportation devices.

#### Technical Data

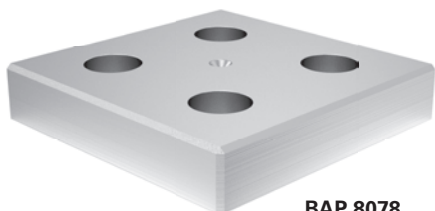
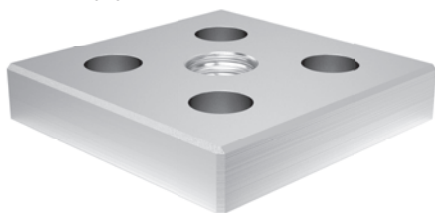
Material: galvanized steel

### Application

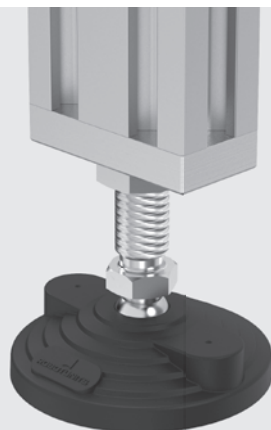


**BAP 4078**  
**BAP 5008**

**BAP 8080**  
**BAP 1010**

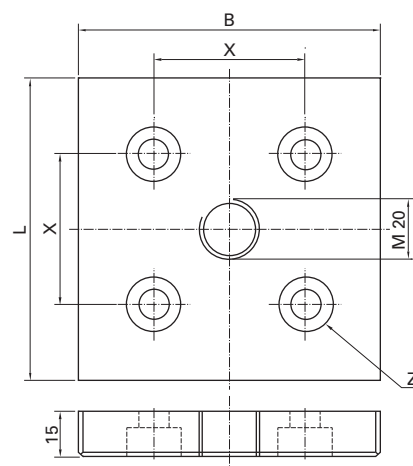
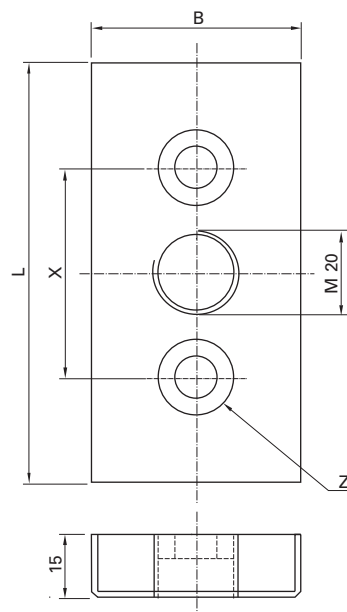
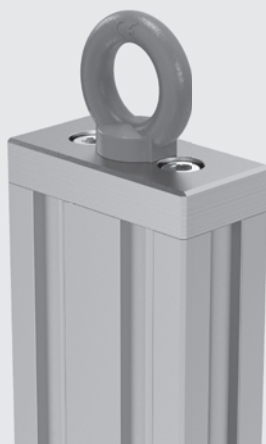


**BAP 8078**  
**BAP 1008**



Used as leveling base

Used as transport plate



### Order Code

| Description                                  | L   | W   | X  | Z <sup>1</sup> | 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 M10x030    | BAP 5008   | 0.533 kg |
| Base And Transport Plate 50x100, M20 thread  | 100 | 50  | 50 | IBS M10x030    | BAP 5010   | 0.503 kg |
| Base And Transport Plate 100x100, no thread  | 100 | 100 | 50 | IBS M10x030    | BAP 1008   | 1.049 kg |
| Base And Transport Plate 100x100, M20 thread | 100 | 100 | 50 | IBS M10x030    | BAP 1010   | 1.018 kg |

1) Not included in the scope of delivery  
Drawing dimensions in mm

BAS \_\_08

Leveling Base M8

BAS 4008



BAS 5108



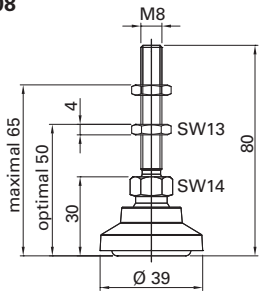
**Application**  
Pivoting, height adjustable floor bracket for stands, frames and enclosures

- Continuous height adjustment (+/- 15 mm)
- Vibration damping
- Ball joint

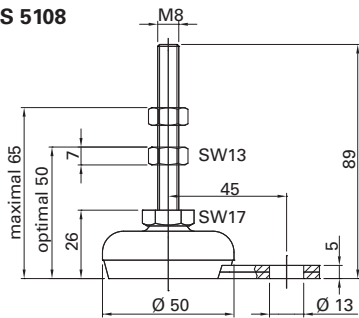
**Technical Data**  
BAS 4008  
Material: galvanized steel;  
PA 6 composite; rubber  
Max. load 350 kg

BAS 5108  
Material: galvanized steel, rubber  
Max. load 800 kg

BAS 4008



BAS 5108



Order Code

| Description                             |  | Order Code | Weight   |
|-----------------------------------------|--|------------|----------|
| Leveling Base, M8x40                    |  | BAS 4008   | 0.062 kg |
| Leveling Base with Mounting Plate M8x50 |  | BAS 5108   | 0.140 kg |

BAS \_\_10

Leveling Base M10

BAS 5010



BAS 5110



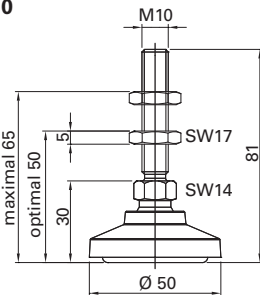
**Application**  
Pivoting, height adjustable floor bracket for stands, frames and enclosures

- Continuous height adjustment (+/- 15 mm)
- Vibration damping
- Ball joint

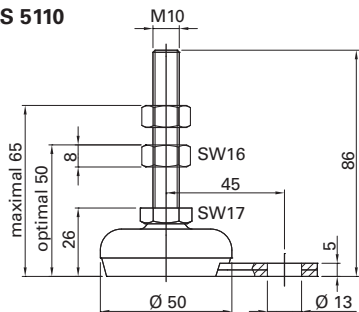
**Technical Data**  
BAS 5010  
Material: galvanized steel;  
PA 6 composite; rubber  
Max. load 470 kg

BAS 5110  
Material: galvanized steel, rubber  
Max. load 800 kg

BAS 5010



BAS 5110



Order Code

| Description                              |  | Order Code | Weight   |
|------------------------------------------|--|------------|----------|
| Leveling Base, M10x50                    |  | BAS 5010   | 0.087 kg |
| Leveling Base with Mounting Plate M10x50 |  | BAS 5110   | 0.180 kg |

BAS 1\_20

Leveling Base M20

BAS 1020



Application

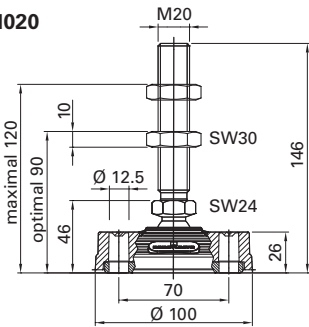
Pivoting, height adjustable floor bracket for stands, frames and enclosures

- Continuous height adjustment (+/- 30 mm)
- Vibration damping
- Ball joint

Technical Data

BAS 1020  
Material: galvanized steel;  
PA 6 composite; rubber  
Max. load 1000 kg

BAS 1020

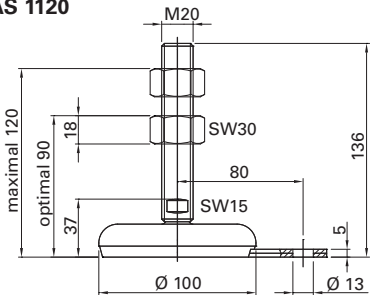


BAS 1120



BAS 1120  
Material: galvanized steel;  
PA 6 composite; rubber  
Max. load 1000 kg

BAS 1120



Order Code

| Description                               | Order Code |  | Weight   |
|-------------------------------------------|------------|--|----------|
|                                           | BAS 1020   |  |          |
|                                           | BAS 1120   |  |          |
| Leveling Base, M20x100                    |            |  | 0.496 kg |
| Leveling Base with Mounting Plate M20x100 |            |  | 0.690 kg |



CAS 0080

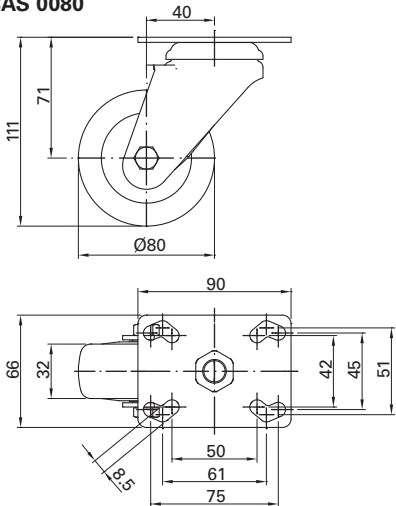


**Application**  
Transport carts of all types

**Technical Data**  
Material: galvanized steel, rubber

Safe working load: 100 kg

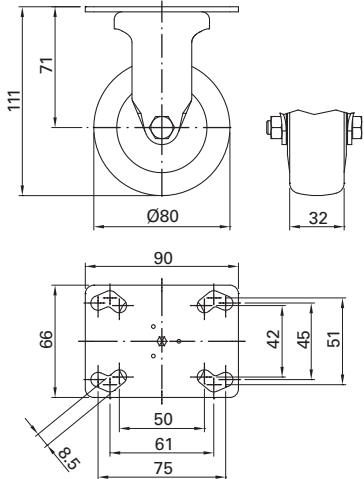
CAS 0080



CAS 0082



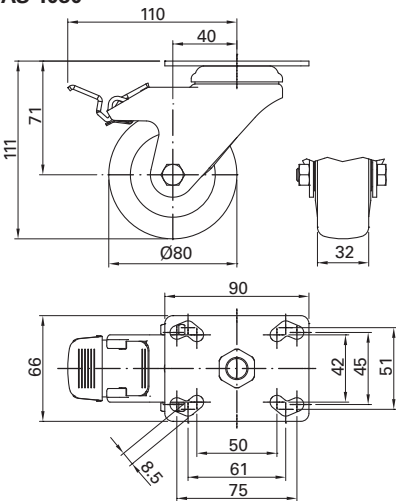
CAS 0082



CAS 1080



CAS 1080



Order Code

| Order Code                               |          | Weight   |
|------------------------------------------|----------|----------|
| Description                              |          |          |
| Swivel Castor With Plate 80 mm           | CAS 0080 | 0.604 kg |
| Rigid Castor With Plate 80 mm            | CAS 0082 | 0.462 kg |
| Swivel Castor With Plate and Brake 80 mm | CAS 1080 | 0.716 kg |

CAS 2080

**Application**

Transport carts of all types

**Technical Data**

Material: galvanized steel, rubber

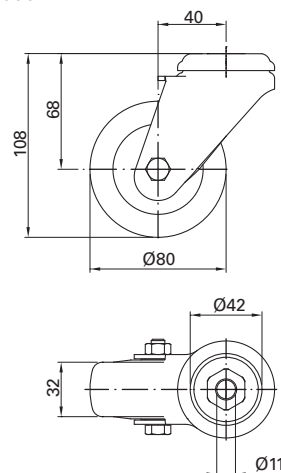
Safe working load: 100 kg

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

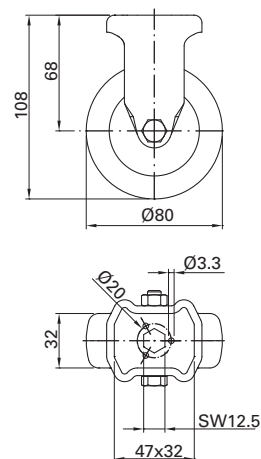
CAS 2080



CAS 2082



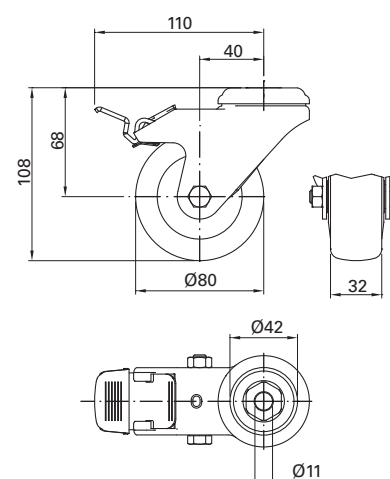
CAS 2082



CAS 3080



CAS 3080



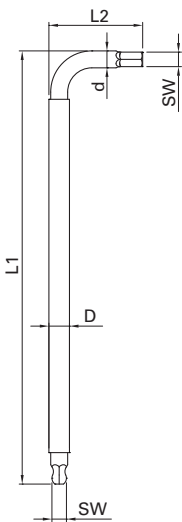
## Order Code

| Description                                          | Order Code | Weight   |
|------------------------------------------------------|------------|----------|
| Swivel Castor With Bolt Hole Fitting 80 mm           | CAS 2080   | 0.489 kg |
| Rigid Castor With Bolt Hole Fitting 80 mm            | CAS 2082   | 0.317 kg |
| Swivel Castor With Bolt Hole Fitting and Brake 80 mm | CAS 3080   | 0.597 kg |



**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

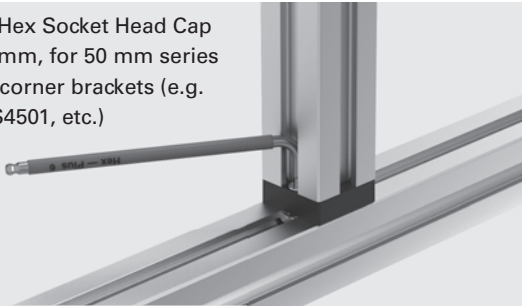


Application

Allen Key For Hex Socket Head Cap Screws, size 5 mm, for 40 mm series fasteners (FAS4041, FAS4081)



Allen Key For Hex Socket Head Cap Screws, size 6mm, for 50 mm series fasteners and corner brackets (e.g. FAS5051, GUS4501, etc.)



Order Code



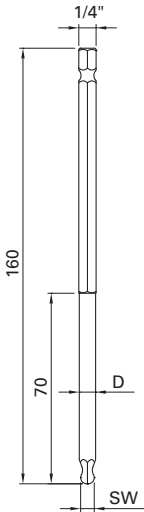
| Description                                    | SW | d | D   | L1  | L2 | Order Code | Weight   |
|------------------------------------------------|----|---|-----|-----|----|------------|----------|
|                                                |    |   |     |     |    |            |          |
|                                                |    |   |     |     |    |            |          |
| 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 |

Drawing dimensions in mm



**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 for fasteners 40x40 (FAS 4041)



1/4" Hex Bit With Ball End, 6 mm for fasteners 50x50 (FAS 5051)



Order Code



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

Drawing dimensions in mm