



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



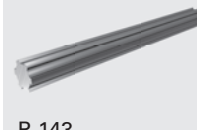
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Connection Hub
COP 4501



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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



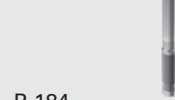
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Safety Fence Floor
Bracket
BAP 205__



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Anchor Bolt
BAP 2900



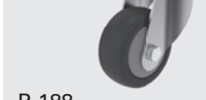
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Leveling Bases
BAS ____



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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
TIN 4511



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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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Sliding Door
Track
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



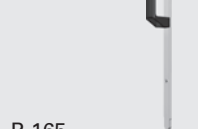
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Door Support
Castor
DOR 456__



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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

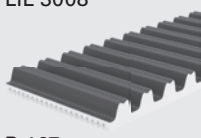
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Timing Belt Pulley
LIN 5400



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Timing Belt
LIL 3008



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Timing Belt Clamp
LIN 3221



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Idlers
LIN 50__



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Wrench
LIN 9990



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Guiderail
LIL 5000



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Carriage Plate
LIN 1501 / 2001



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Limit Stop
LIN 5191



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Proximity Switch
Bracket
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
Shaft
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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

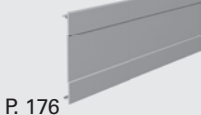
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Connection Shaft
with Couplings
COL 52_0



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Cover Extrusion
for PIL 4012
CAL 4012



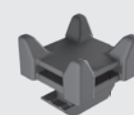
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End Cap
CAP__



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Cable Block
PIN 4530



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Plastic Hook
PIN 4590



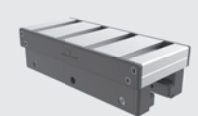
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Fine-Tuning and
Fixing Element
TIN 4501



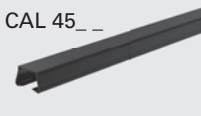
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Linear Slider
LIN 404 _/LIN 505_



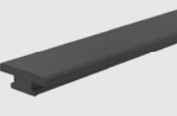
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Cover/Insert
Extrusion
CAL 45__



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T-Slot Sliding Rail
CAL 4540



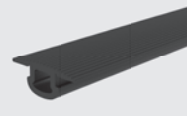
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Aluminum
Cover Extrusion
CAL 4545



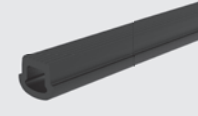
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Anti-Slip Profile
CAL 4560



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Gasket
CAL 4565



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Safety Fence Floor
Bracket
BAP 205_



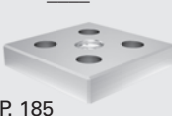
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Anchor Bolt
BAP 2900



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Base and Transport
Plates
BAP__



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Leveling Bases
BAS__



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Mounting Plate
BAP 4500



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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

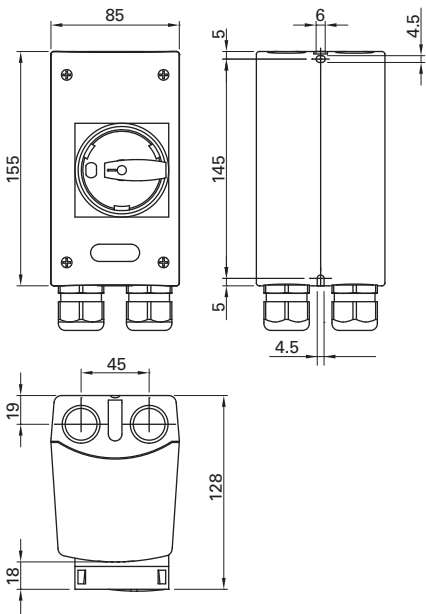
Power supply type may vary by country / region

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 Code¹	
	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

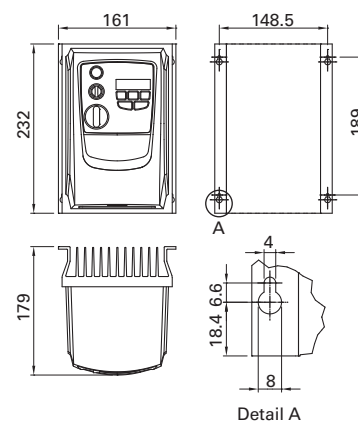
Input frequency: 50/60 Hz

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 ¹	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

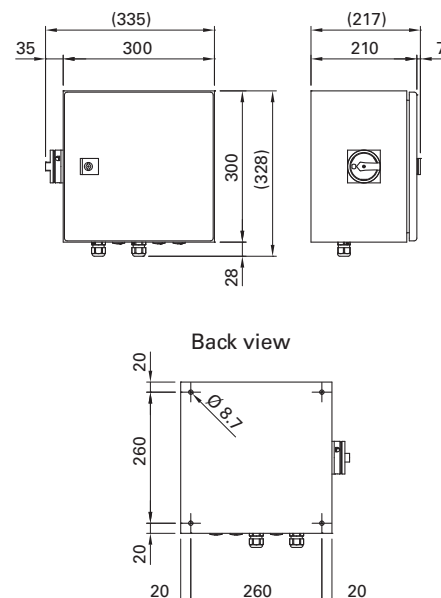
Power rating: 10 A

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

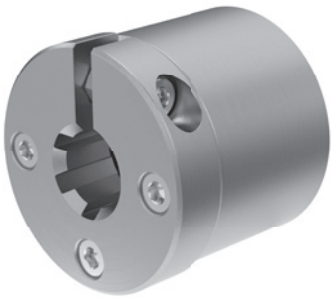
Description	Order Code ¹	Length	Weight
Power Supply 24V	SUL 2000 SNN ____		10 kg + 0.2 kg/m power cable connection

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

Drawing dimensions in mm

COP 4501

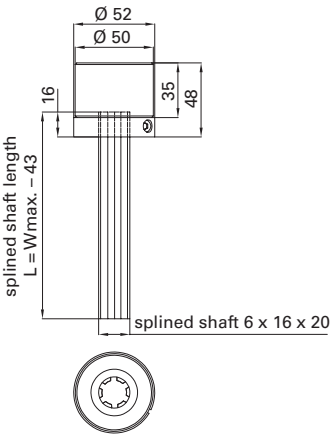
Connection Hub



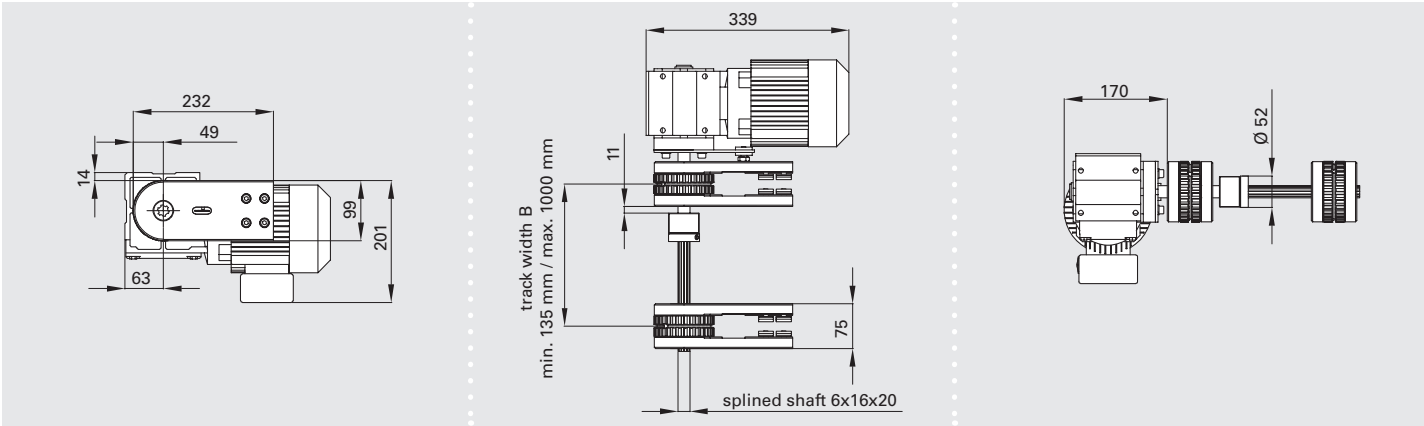
Application
For connecting adjustable timing belt conveyors

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



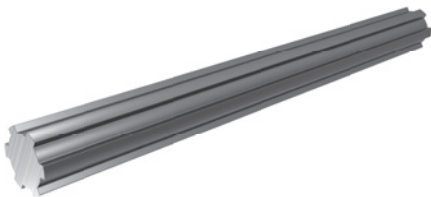
Order Code



Description		Order Code	Weight
Connection Hub Kit		COP 4501	0.550 kg

COL 8500

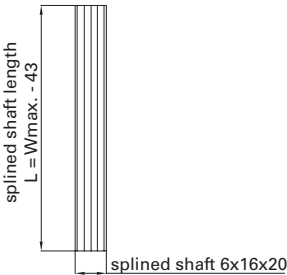
Splined Shaft



Application
For connecting adjustable timing belt conveyors

Technical Data
Max. torque: 60 Nm

Scope of Delivery
1 Splined Shaft, DIN-ISO 14 - 6x16x20



Order Code

Description	Order Code ¹	Weight
	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

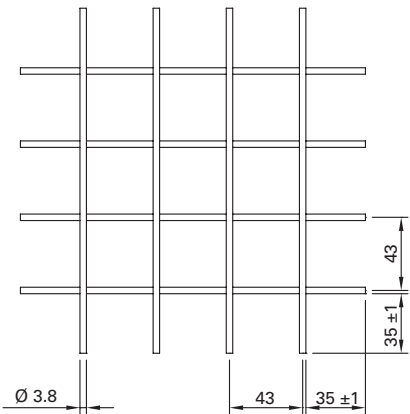


Application
Used for Safety Fencing

- 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 ¹				Weight
		Width	Type	Length	
Weld Mesh, 40x40x4 mm standard	PAN	0461	S4N	1966	3.952 kg
Weld Mesh, 40x40x4 mm standard	PAN	0719	S4N	1966	6.163 kg
Weld Mesh, 40x40x4 mm standard	PAN	0977	S4N	1966	8.375 kg
Weld Mesh, 40x40x4 mm standard	PAN	1450	S4N	1966	12.429 kg
Weld Mesh, 40x40x4 mm	PAN	_____	S4N	_____	4.360 kg/m ²

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

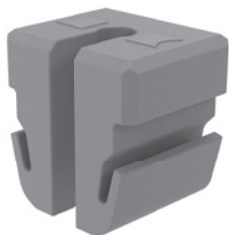
Order Code

Description	Strength	Order Code ¹				Weight/m ²
			Width	Type	Length	
Clear Polycarbonate Glass	4 mm	PAN	_____	P4N	_____	4.800 kg
Clear Polycarbonate Glass	5 mm	PAN	_____	P5N	_____	6.000 kg
Clear Polycarbonate Glass	6 mm	PAN	_____	P6N	_____	7.200 kg
Tinted Polycarbonate Glass	4 mm	PAN	_____	Q4N	_____	4.800 kg
Tinted Polycarbonate Glass	5 mm	PAN	_____	Q5N	_____	6.000 kg
Tinted Polycarbonate Glass	6 mm	PAN	_____	Q6N	_____	7.200 kg
Expanded PVC Panel, 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

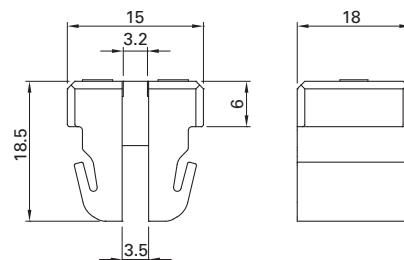
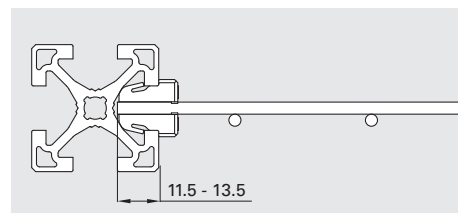
**Application**

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

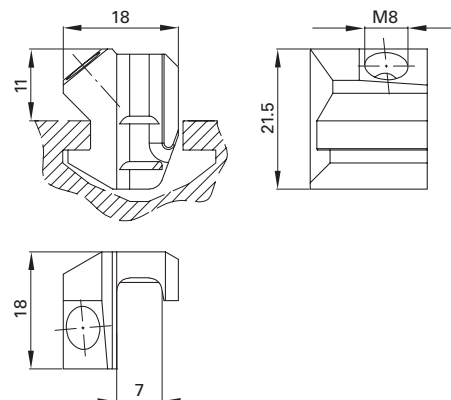
Technical Data

Material: steel

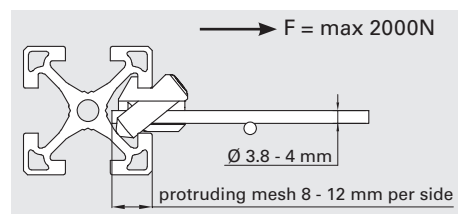
Scope of Delivery

1 Mesh Retainer SSP 4514

1 Set Screw GST M08x025 (waxed)



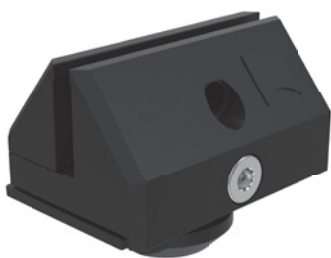
Transfer resistance per conductive connection: < 0,4 Ω

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

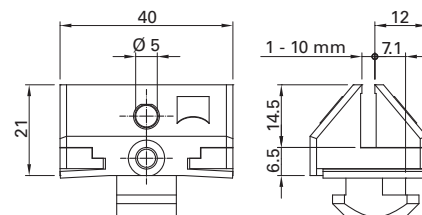
Material: PA6, black, galvanized steel

Load: up to 250 N, perpendicular to slot

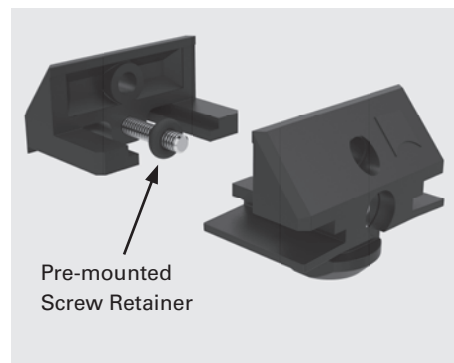
Centerline: 1 - 10 mm

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

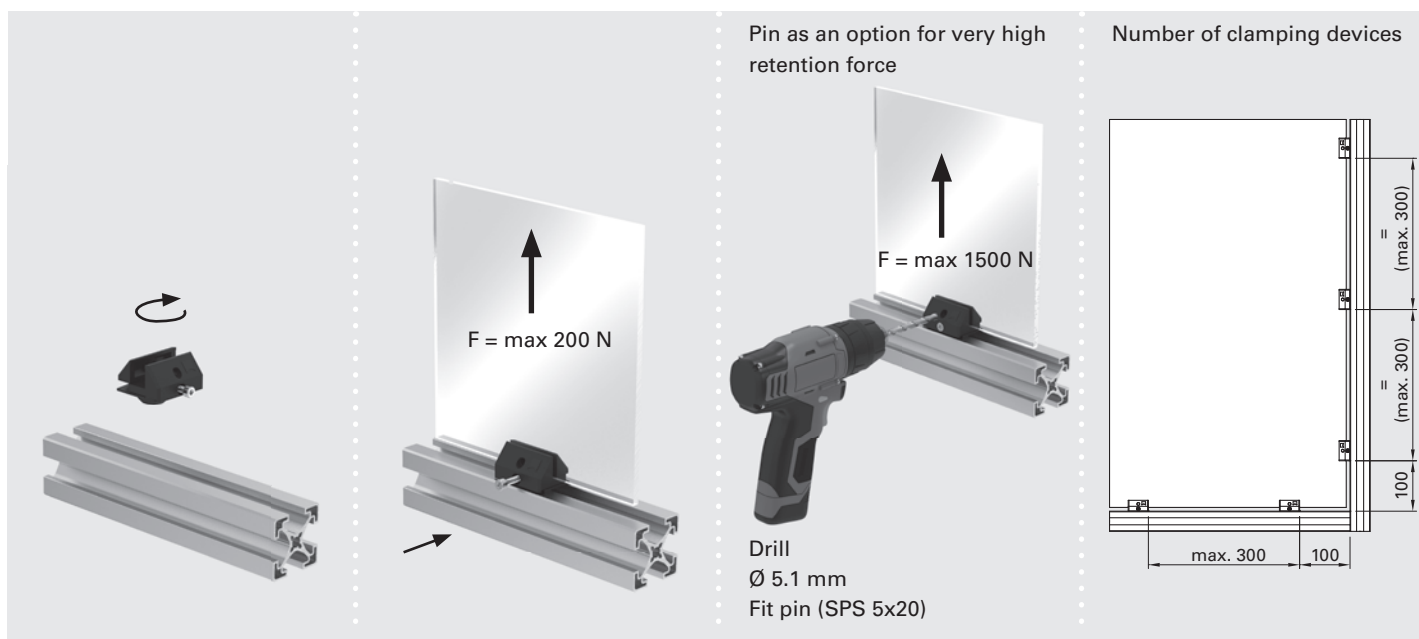
1 screw IBS M04x25

1 Screw Retainer

Panel size

inside width minus 15 mm

Assembly



Order Code

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

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

Drawing dimensions in mm

**Application**

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

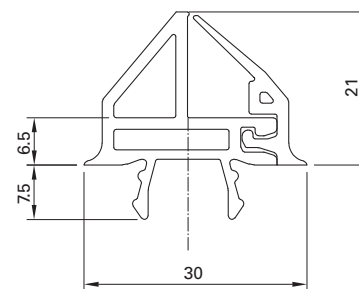
- Adequate protection against dust, water spray and noise
- Appealing design

Technical Data

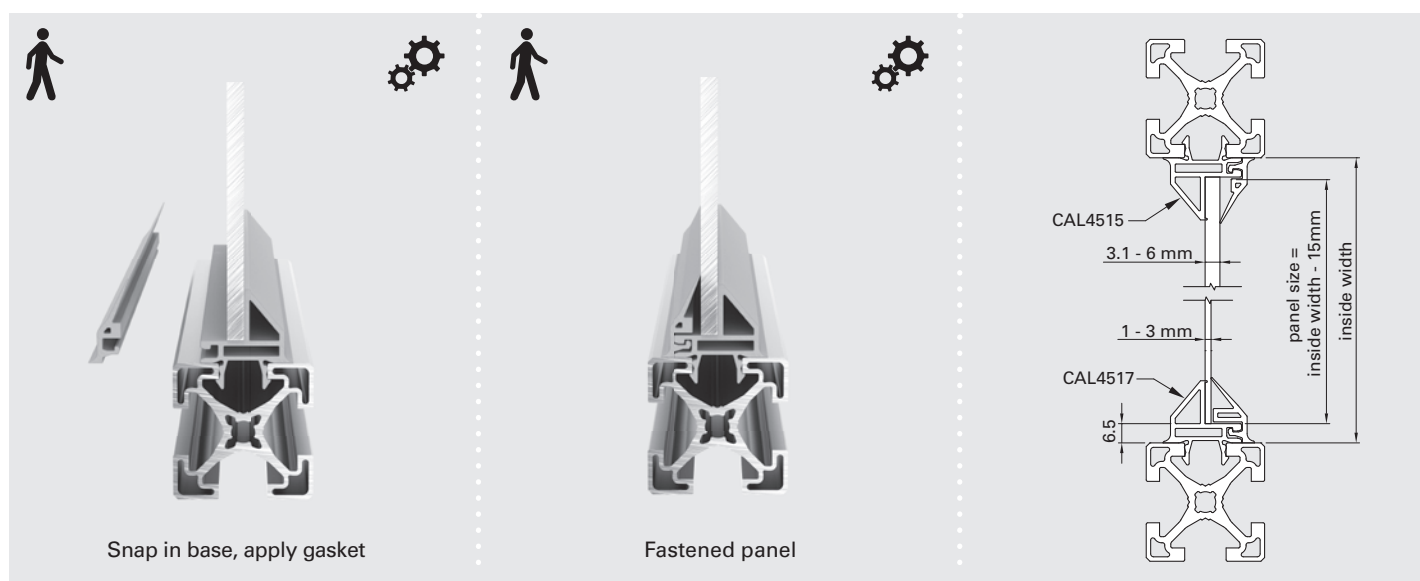
Material: impact-resistant PVC with soft lip, RAL 7004 (signal gray), UV-resistant, silicone-free

Temperature range: -10°C to +60°C

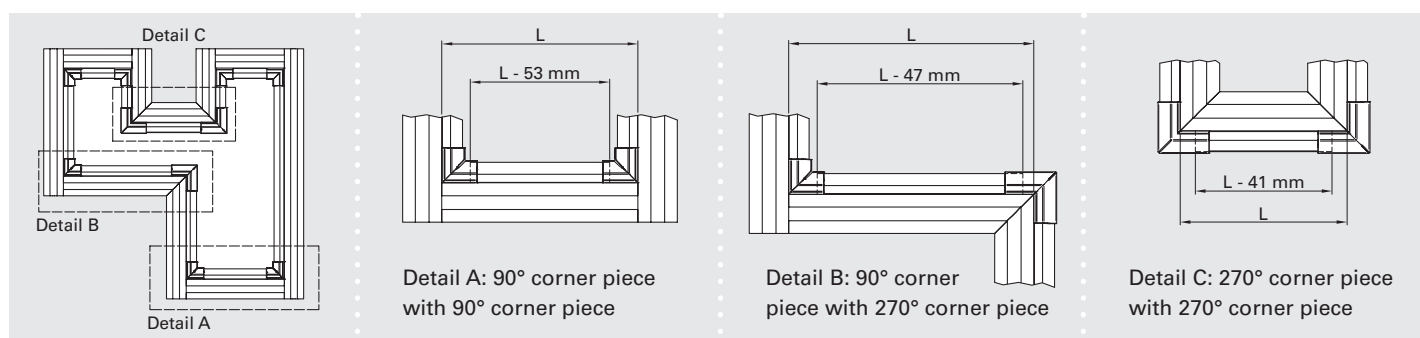
Stock length: 3000 mm



Assembly



Length Calculation

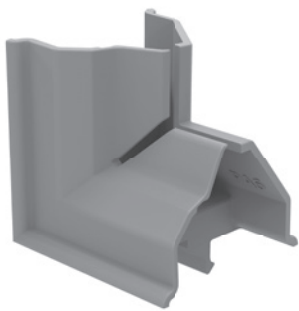


Order Code

Description	Order Code ¹	
	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

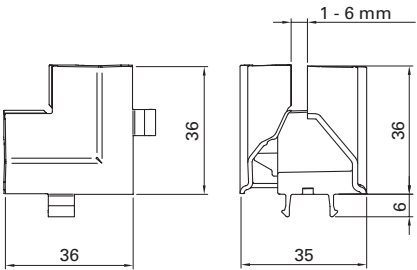
90° Corner Piece



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

Detail C

Detail B

Detail A

Detail A: 90° corner piece with 90° corner piece

Detail B: 90° corner piece with 270° corner piece

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

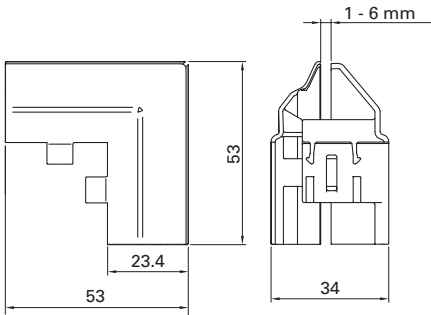
Used as 270° corner trim for Panel Profiles CAL 4515 and CAL 4517

Technical Data

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

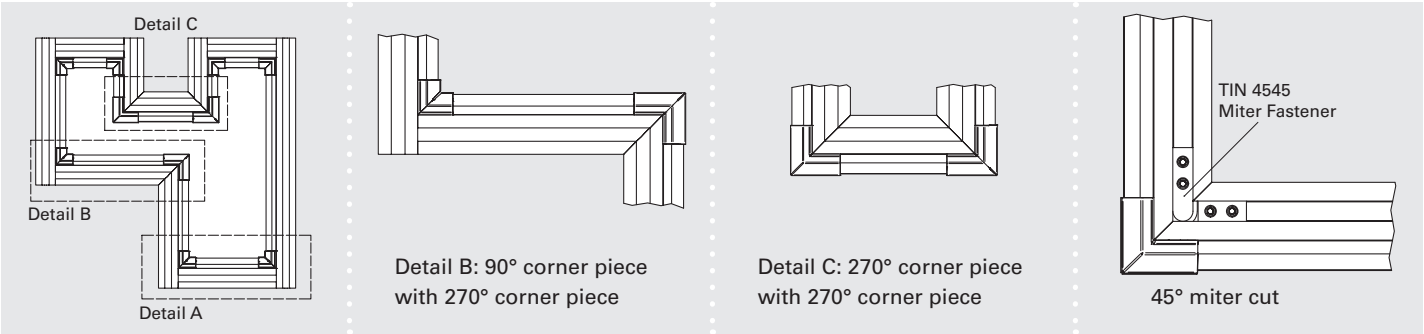
Scope of Delivery

- 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



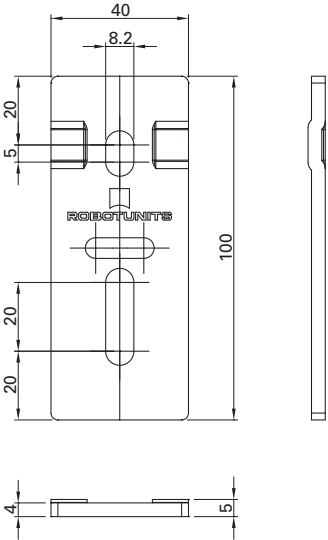
Application

For variable fastening options of safety fence components

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

Technical Data

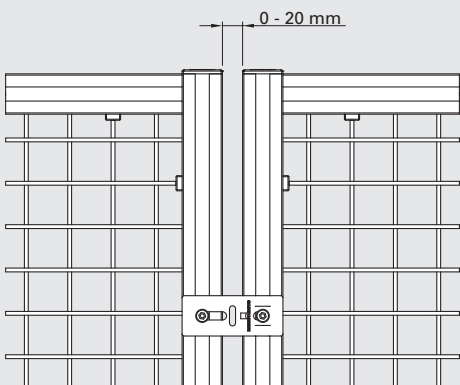
Material: galvanized steel



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 ¹	0.150 kg
Safety Fence Fastener Kit	1	2	2	TIN 4511CP ²	0.150 kg

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

TIN 4521

90° Safety Fence Fastener

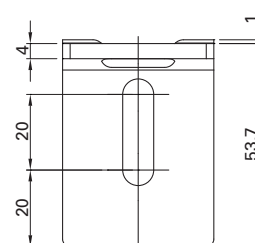
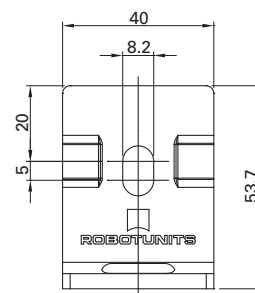
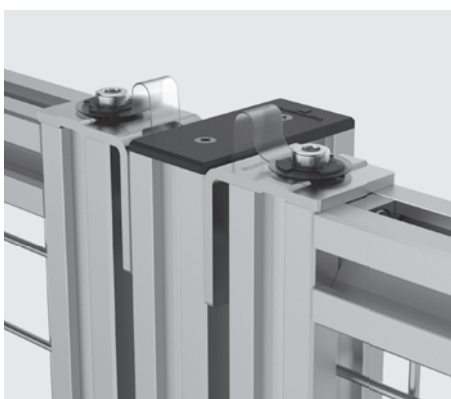
**Application**

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 ¹	0.150 kg
90° Safety Fence Fastener Kit	1	2	2	TIN 4521CP ²	0.150 kg

1) Packaged in Kit

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

Drawing dimensions in mm



TIN 4561

Tilt Plate 80



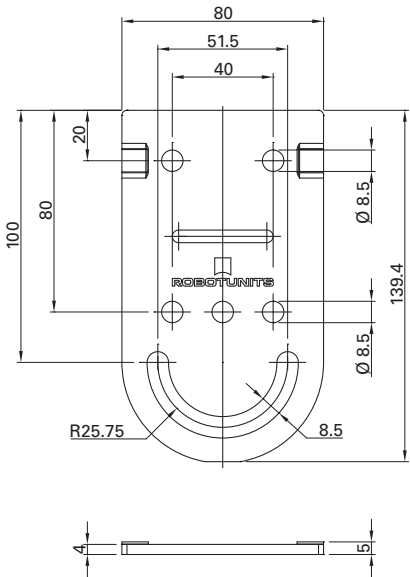
Application

Variable connection of modular components

- Sturdy connection of conveyor and stand
- Infinitely adjustable incline

Technical Data

Material: galvanized steel



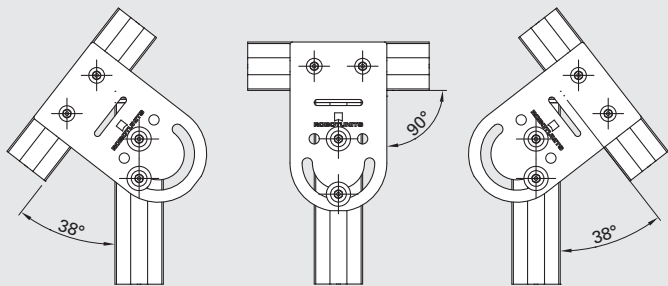
Application

Connection of conveyor and stand

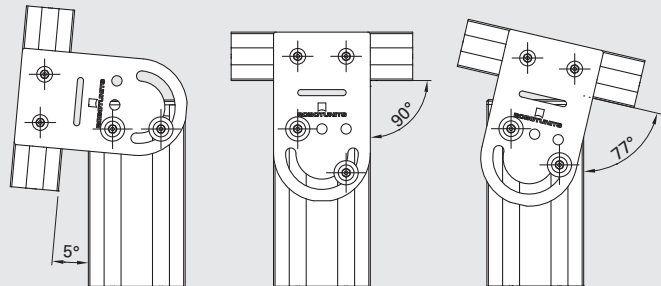


Possible inclination settings

40 mm series



80 mm series



Order Code

Description	Scope of Delivery				Order Code	Weight
	TIN 4530	TIN 4508	IBS M08x016NIKO	BLS M008S02		
Tilt Plate 80 Kit	1	4	4	2	TIN 4561	0.370 kg

Drawing dimensions in mm

TIN 4571

Tilt Plate 80 Bent

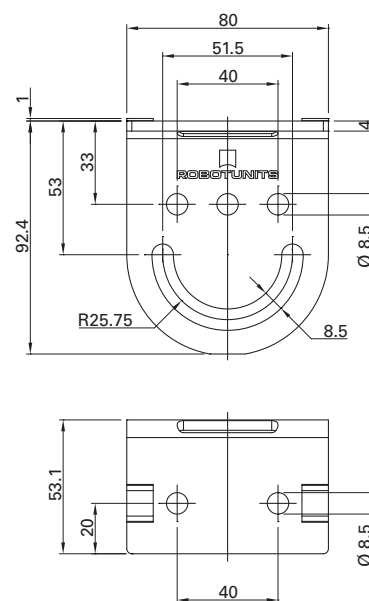
**Application**

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

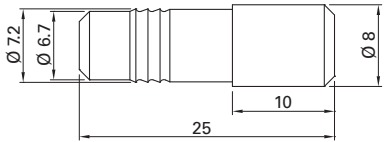
SSP 4900

Bolt

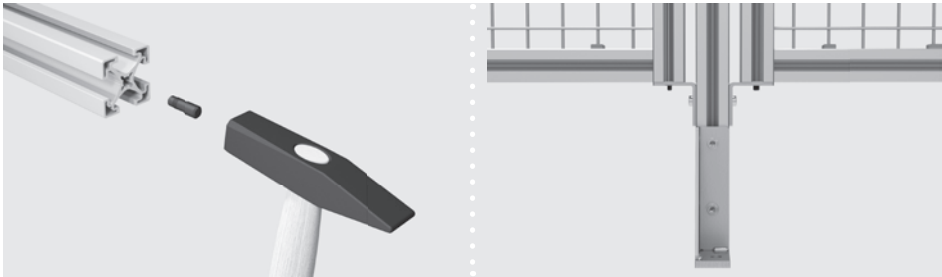


Application
For mounting Allround Panels

Technical Data
Material: nitrated steel



Function



Order Code

Description	Order Code	Weight
Bolt	SSP 4900	0.010 kg

SSP 5500

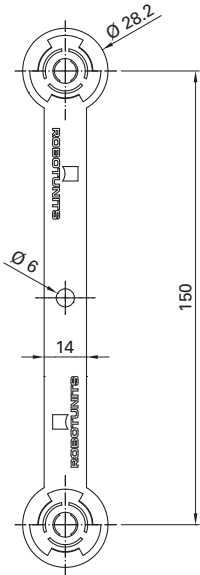
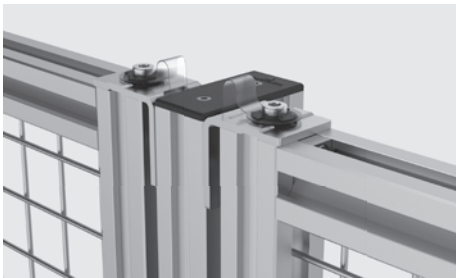
Screw Retainer



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

Technical Data
Material: PVC and PA

Application



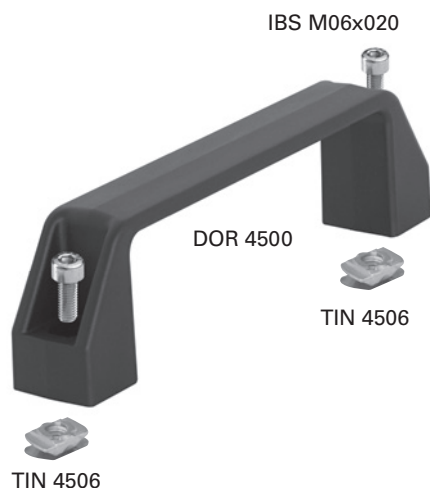
Order Code

Description	Order Code	Weight
Screw Retainer	SSP 5500	0.001 kg

Drawing dimensions in mm

DOR 4501

Handle

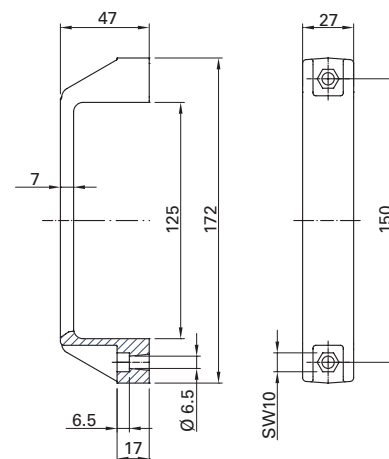
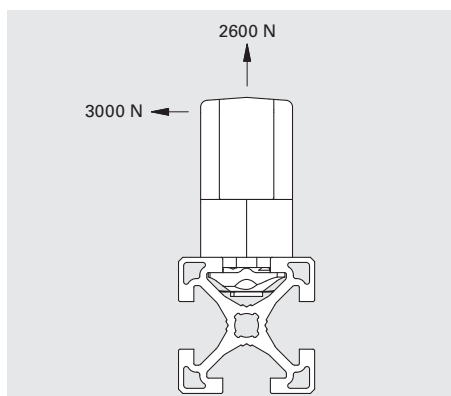
**Application**

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

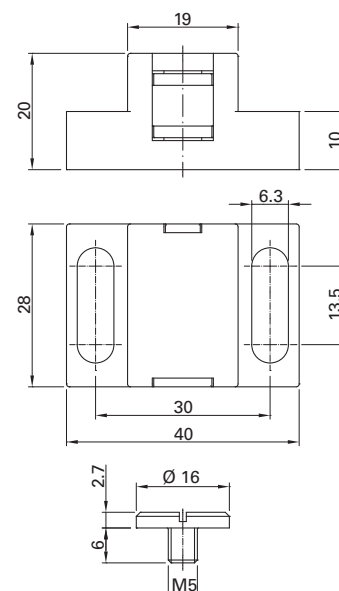
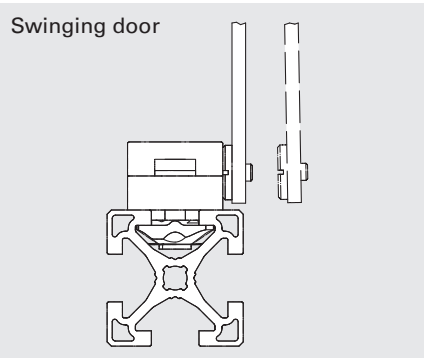
**Application**

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

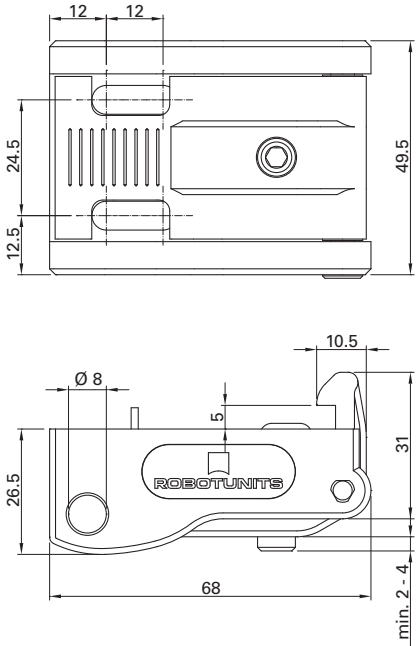
Application

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



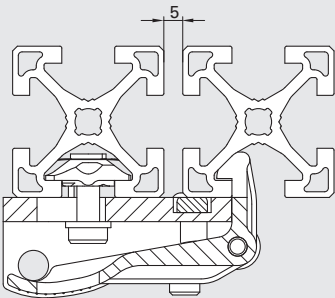
Secure: Push latch to open door.



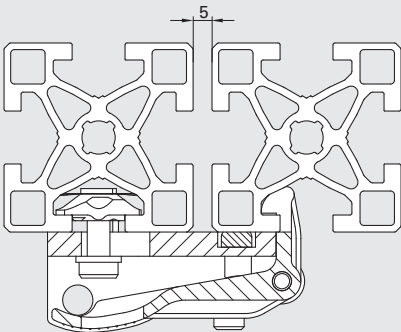
Door latch can be **secured with a padlock against inadvertent opening**. Lock bolt diameter: 7 mm



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

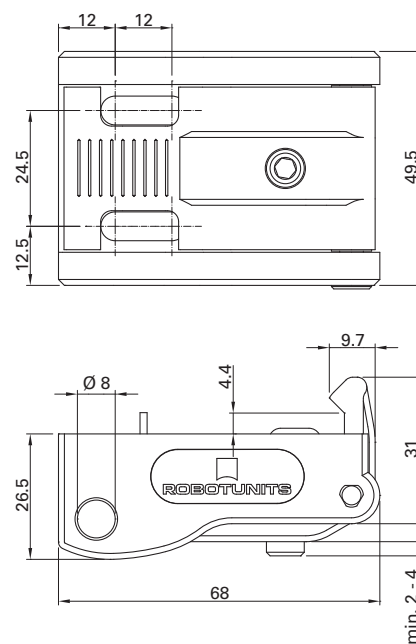
DOR 4552

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

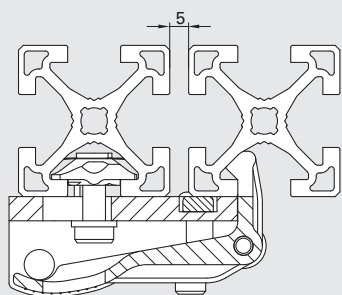
Material: PA6 30 GF, black, galvanized steel



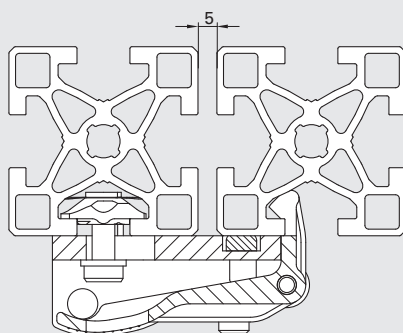
Application



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

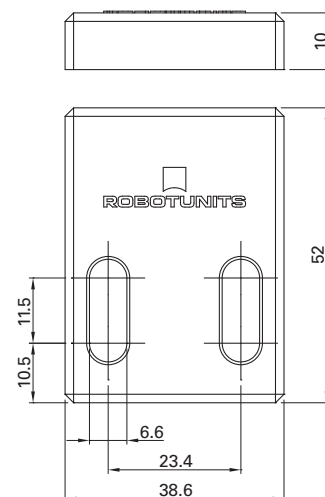
Door Stop

**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

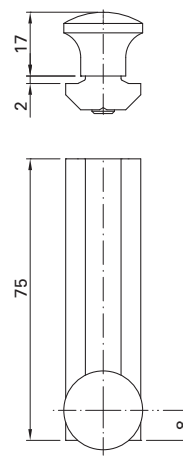
Safety Slide

**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

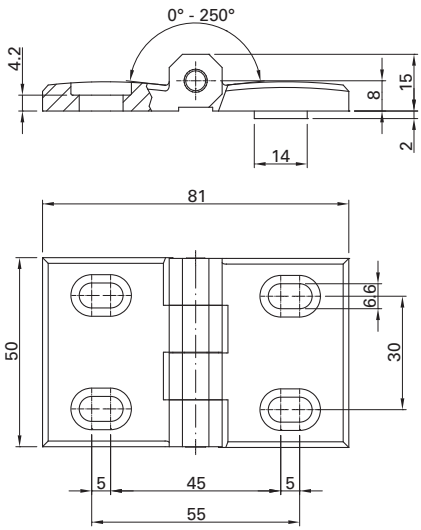
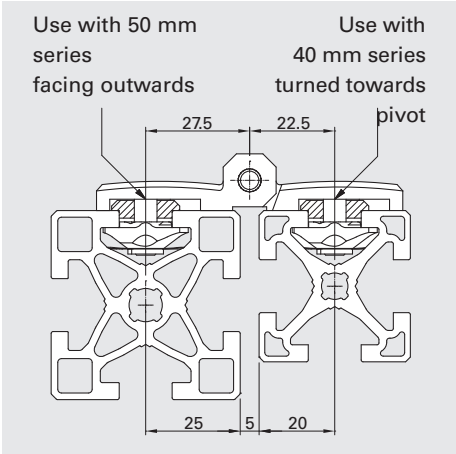


Application
For hinged structures. Inserts allow for use with 40 mm and 50 mm series extrusions.

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

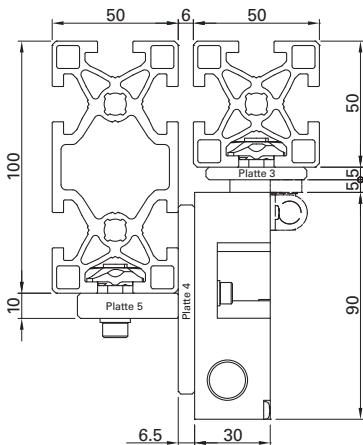


Safety Interlock with actuator and ball retainer



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 Thermopopolus (-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

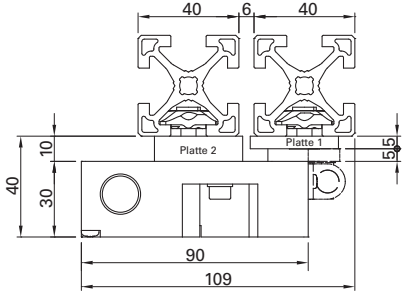
DOR 4582:
1 Base Part
1 Actuator
1 Ball Retainer

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

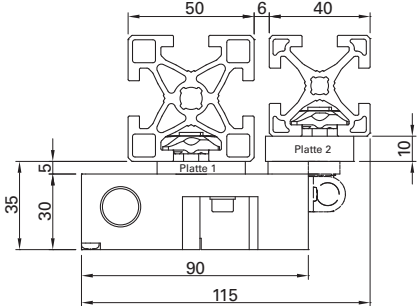
DOR 4583 (Fastening Kit B):
1 Mounting Plate 3
1 Mounting Plate 4
1 Mounting Plate 5
4 Drop-in Nuts TIN 4506
2 Washers BLS M005
2 Washers BLS M006
2 Screws SKS M05x010
2 Screws IBS M05x016
4 Screws SKS M06x016
2 Screws IBS M06x020

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

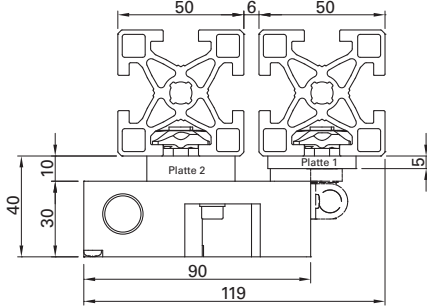
Fastening Kit A: PIL 4040 and PIL 4040



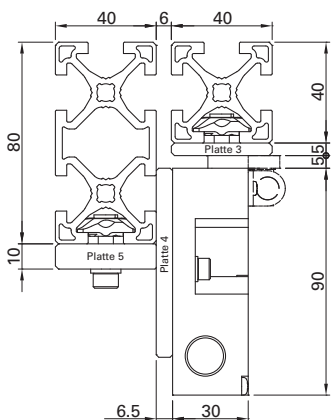
Fastening Kit A: PIL 5050 and PIL 4040



Fastening Kit A: PIL 5050 and PIL 5050



Fastening Kit B: PIL 4080 and PIL 4040

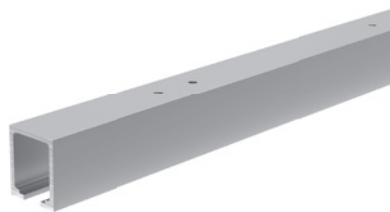


Order Code

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

Sliding Door Track

**Application**

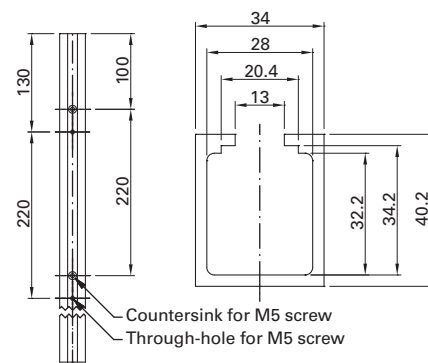
For sliding doors

Technical Data

Material: clear anodized aluminum

Hole spacing = 220 mm

Max. load = 80 kg per sliding door



Order Code

Description	Order Code ¹	
	Length	Weight/Meter
Sliding DoorTrack	DOL 4034 SNN _ _ _ _	0.996 kg
Sliding DoorTrack of maximum standard length (approx. 6050 mm)	DOL 4034 NNN 6050	0.996 kg

DOR 4031

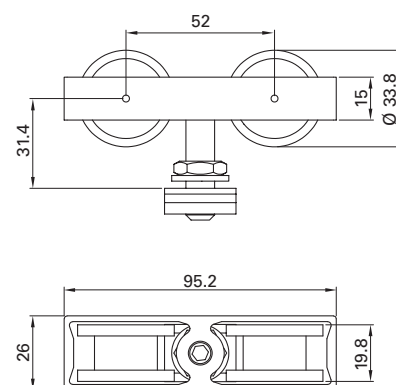
Roller

**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

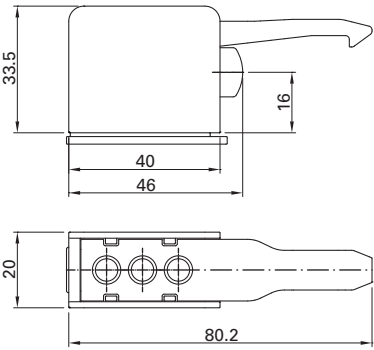
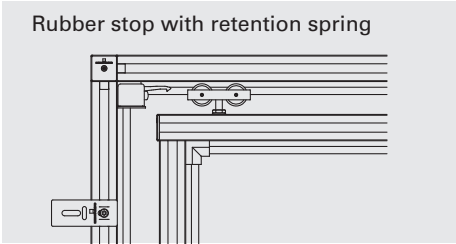
Sliding Door Stop



Application
Mechanical stop and retainer for sliding door

Technical Data
Material: aluminum, galvanized steel, rubber

Application

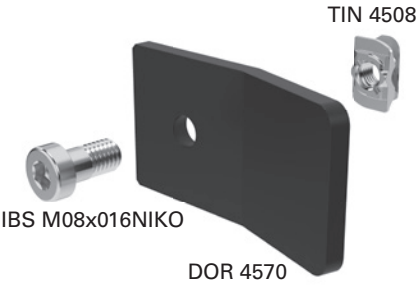


Order Code

Description	Order Code	Weight
Sliding Door Stop	DOR 4032	0.126 kg

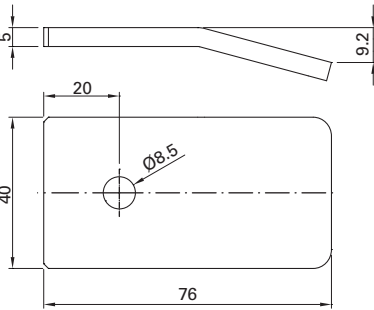
DOR 4571

Centering Guide



Application
For sliding doors

Technical Data
Material: powder-coated steel

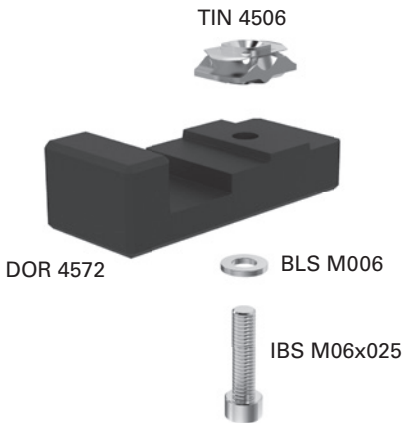


Order Code

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

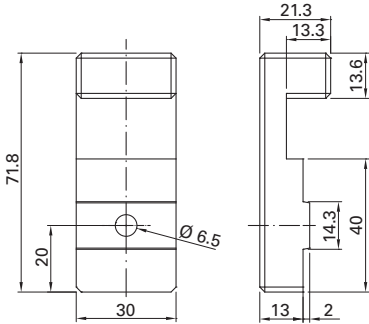
DOR 4573

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



DOR 456_

Door Support Castor

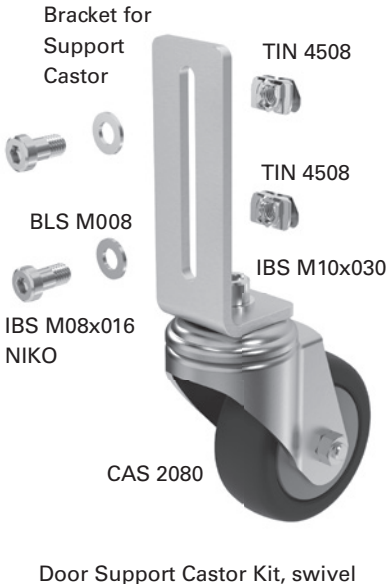
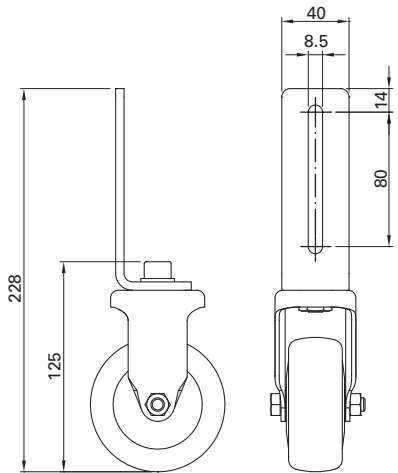


Application
Rolling support for panels, doors

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

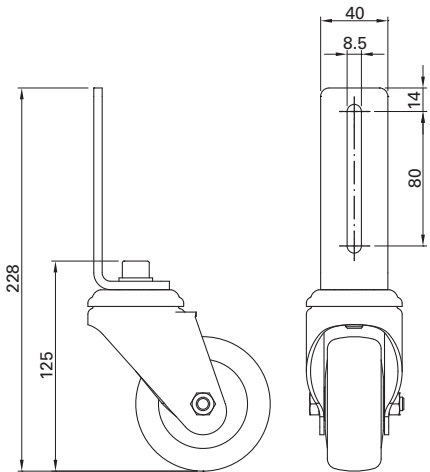
- Scope of Delivery**
Door Support Castor Kit, rigid
DOR 4565:
- 1 Rigid Castor with Bolt Hole Fitting CAS 2082
 - 1 Bracket for Support Castor
 - 1screw IBS M10x020
 - 2 Washers BLS M010
 - 1 Hexagon Nut SKM M10
 - 2 Screws IBS M08x016NIKO
 - 2 Drop-in Nuts TIN 4508
 - 2 Washers BLS M008

Door Support Castor Kit, rigid



- 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, 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

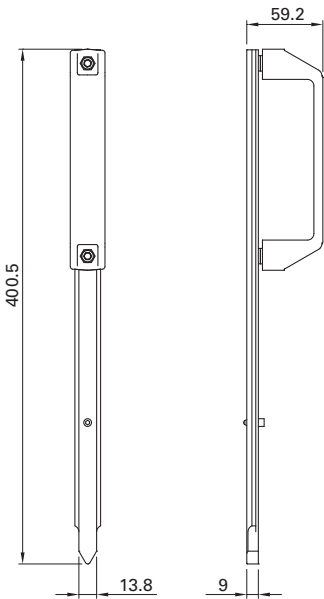
For double door

Technical Data

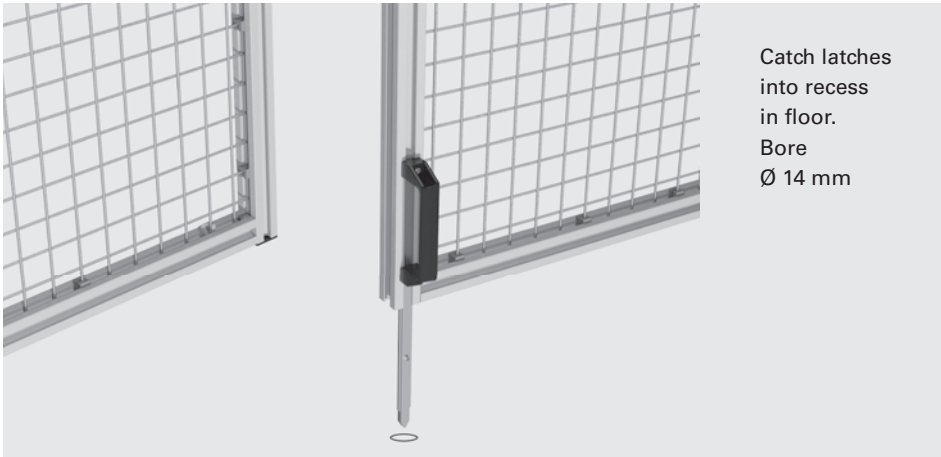
Material: galvanized steel,
PA/GF composite

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



Catch latches
into recess
in floor.
Bore
Ø 14 mm



Order Code

Description	Order Code	Weight
Floor Catch Kit	DOR 4561	0.545 kg

Drawing dimensions in mm

LIN 5400

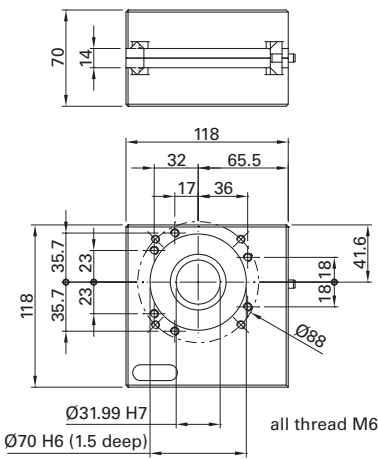
Timing Belt Pulley



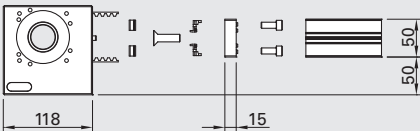
Application
Drive and idler pulley for Linear Motion Unit, suitable for 50 mm series extrusions.

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

Flange plates for motor connection are available upon request.

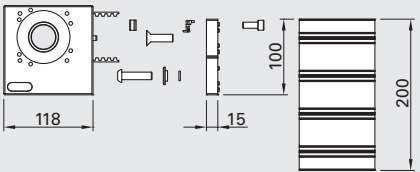


Application



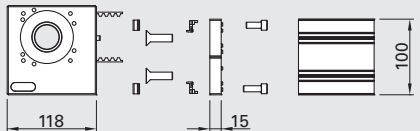
Connection Option LIN 5451
For connecting to extrusions:
50x50, 50x100 flat, 50x200 flat

- 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

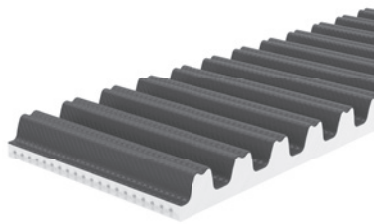
Order Code

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

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,

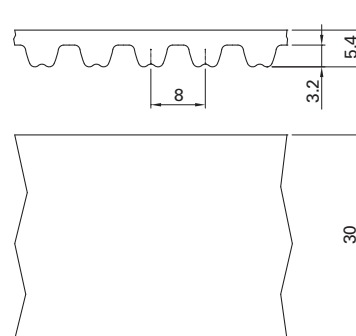
Max. tensile load: 2000 N

Recommended pre-tension of

timing belt: 0.1 % = approx. 500 N

pre-tension

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

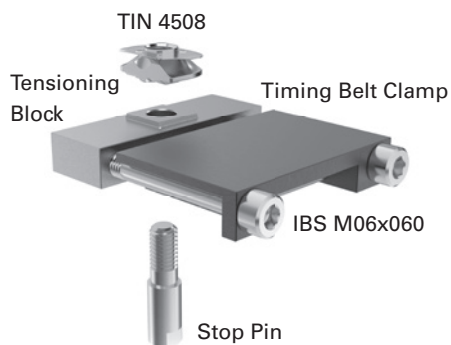


Order Code

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

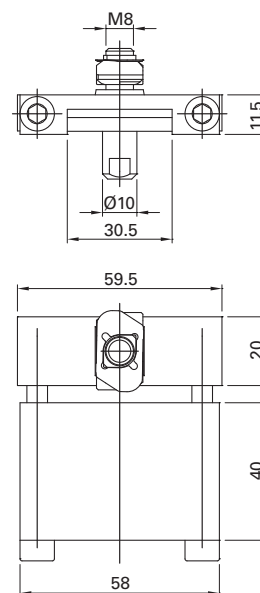
1 Timing Belt Clamp

1 Stop Pin

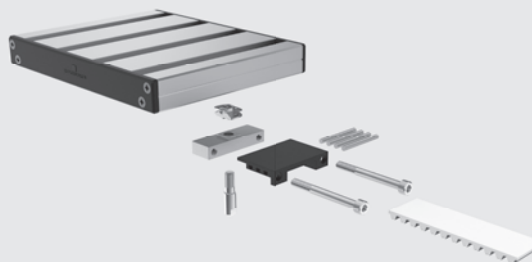
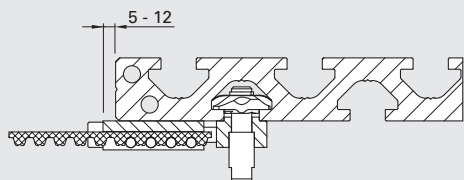
4 Timing Belt Pins

2 Screws IBS M06x060

1 Drop-in Nut TIN 4508



Application



Order Code

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

LIN 500_

Single Idler

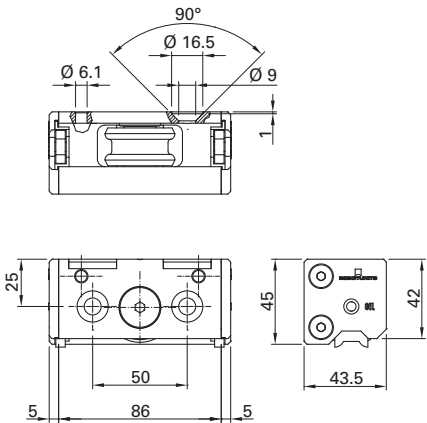


Application
Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

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

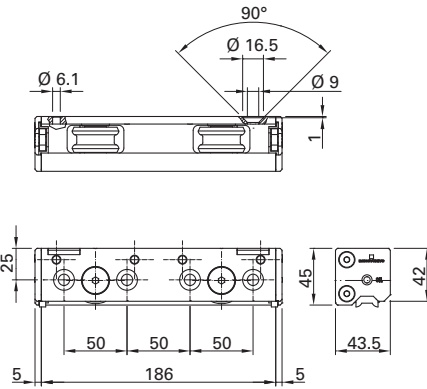


Application
Roller device for Linear Motion Units, integrated felt wipers for cleaning and lubrication.

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

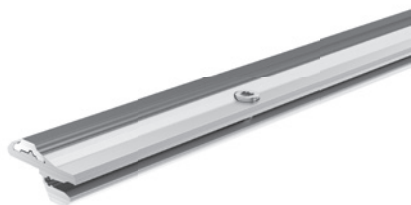


Order Code

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

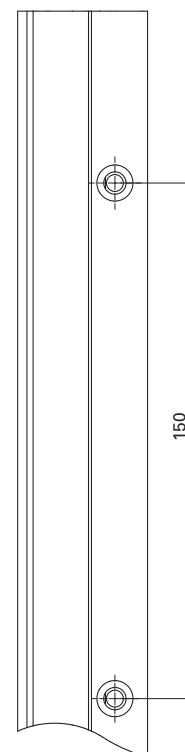
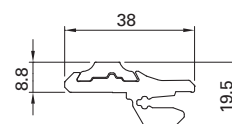
Material: tempered, brushed steel
HRC 58 +3, clear anodized aluminum

Scope of Delivery

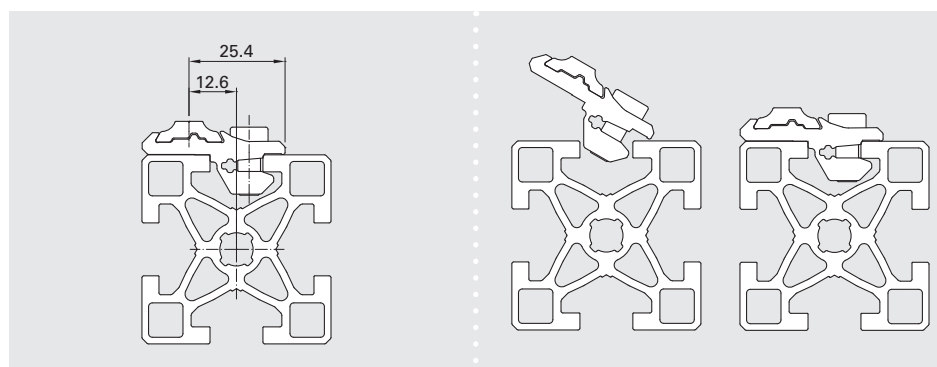
Guiderail, Rolled Steel
and Aluminum
screw IBS M06x012 NIKO

Tightening torque

IBS M06x012NIKO = 12 Nm



Assembly



Order Code

Description	Order Code ¹	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

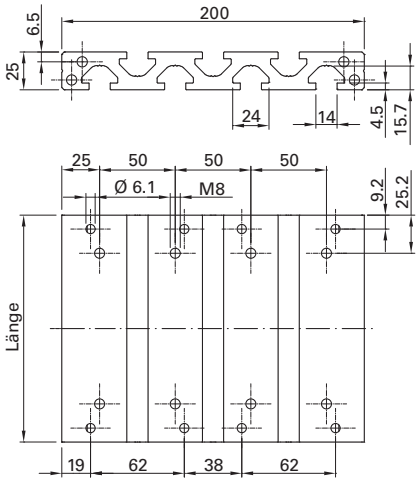


- Application**
- Carriage Plate for mounting components
 - Assembled with Double Idlers

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

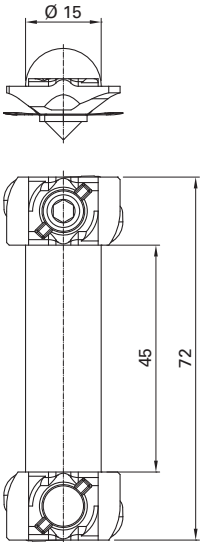
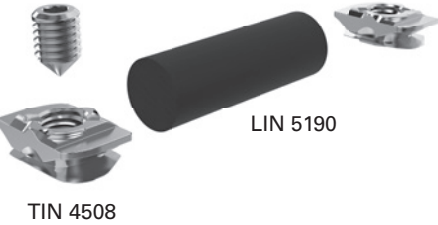
LIN 5191

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



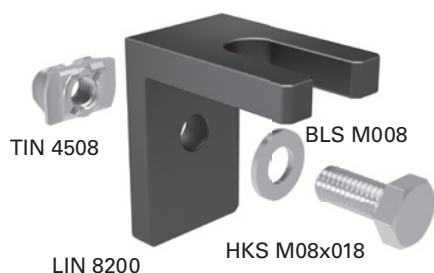
Order Code

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**

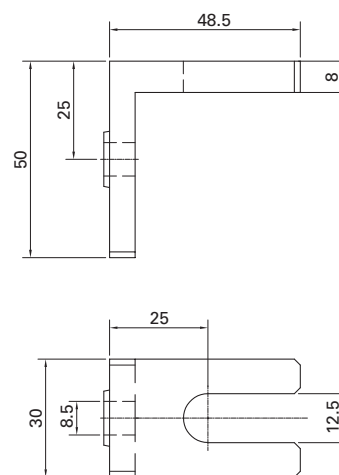
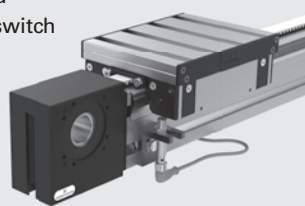
Used for mounting proximity switch; the idler is the switching surface.

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	0.175 kg
Proximity Switch Bracket Kit	1	1	1	1		

LIN 8310

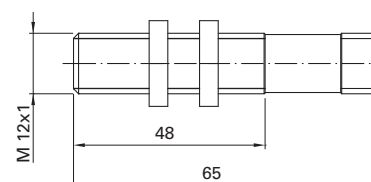
Proximity Switch

**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	0.185 kg
Proximity Switch, M12x1		

LIN 8312

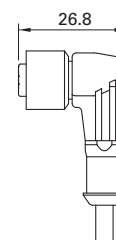
Angle Plug With Cable

**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	0.020 kg
Angle Plug With Cable, 5 m		

LIN 5241

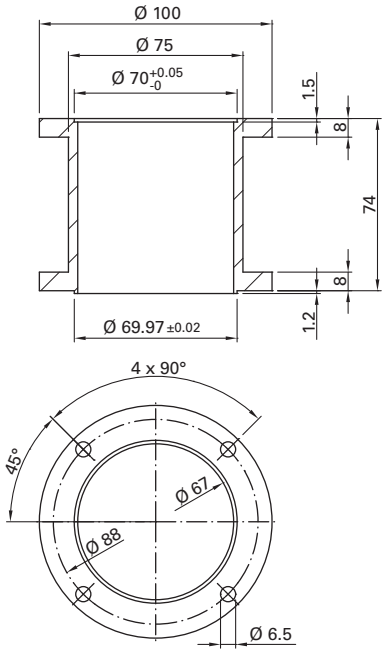
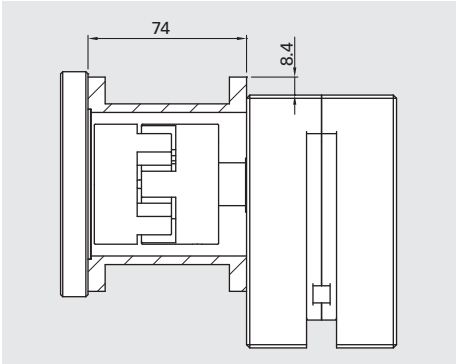
Motor Flange



Application
To attach motor to Timing Belt Pulley

Technical Data
Material: clear anodized aluminum,
galvanized steel

Assembly

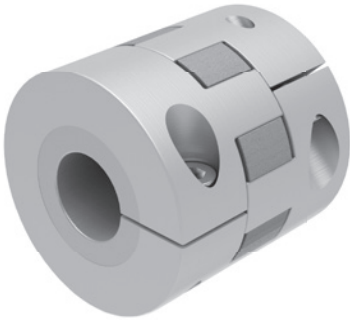


Order Code

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



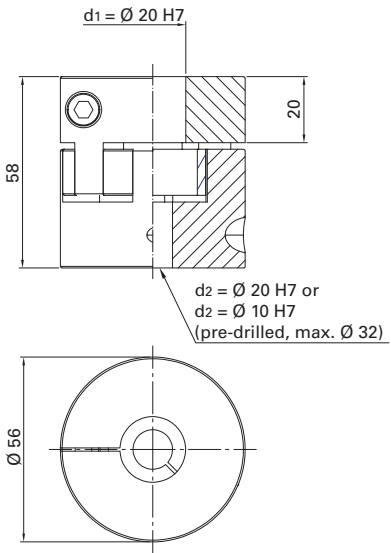
Application
To connect motor to drive shaft

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

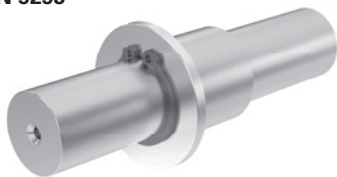
Description	Order Code	Weight
Coupling d1 = d2 = 20 mm	LIN 5236	0.360 kg
Coupling d1 = 20 mm, d2 = 10 pre-drilled	LIN 5237	0.360 kg

Drawing dimensions in mm

LIN 52__

Driveshaft/Encoder Shaft

LIN 5253



Application

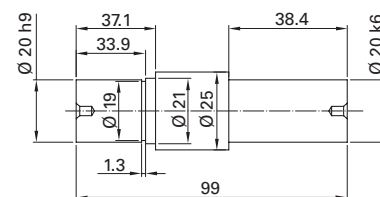
To connect Coupling to Timing Belt Pulley

Technical Data

Material: stainless steel

Other diameters and lengths possible upon request.

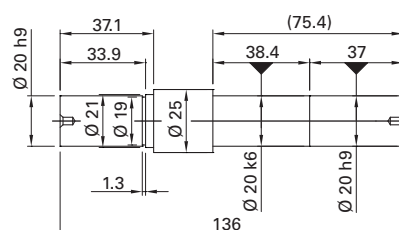
LIN 5253



LIN 5255



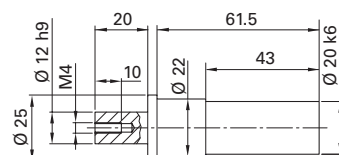
LIN 5255



LIN 5248

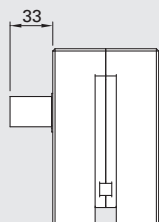


LIN 5248

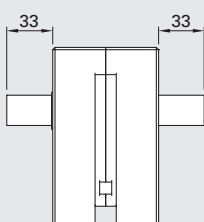


Dimensions

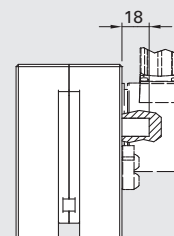
LIN 5253



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

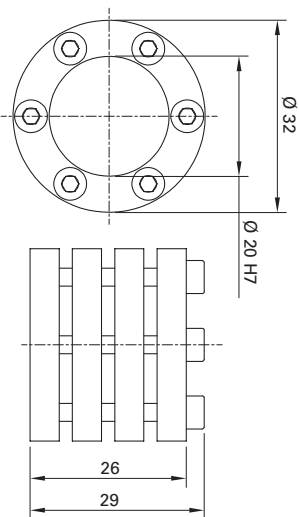
Expanding Coupling



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

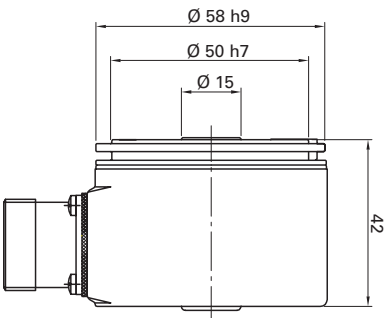
LIN 750_

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

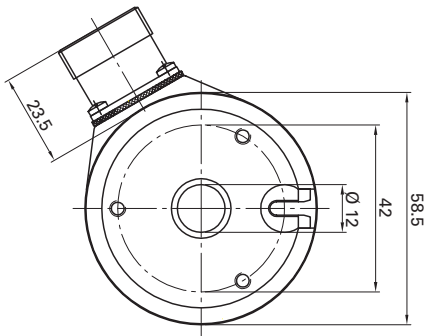


Assembly



- 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)

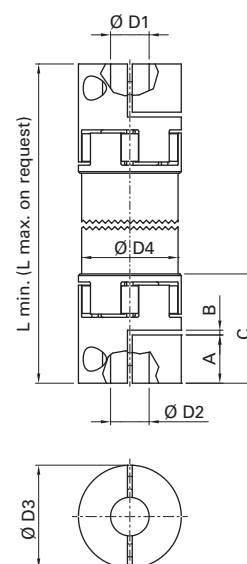
COL 5240 / COL 5250

M nom. 60 Nm

M max. 120 Nm

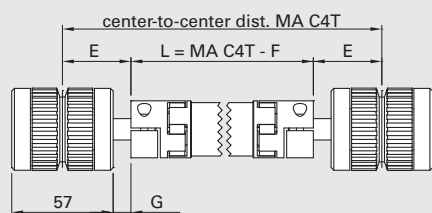
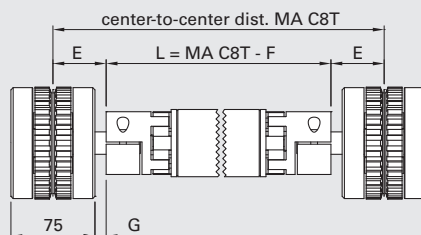
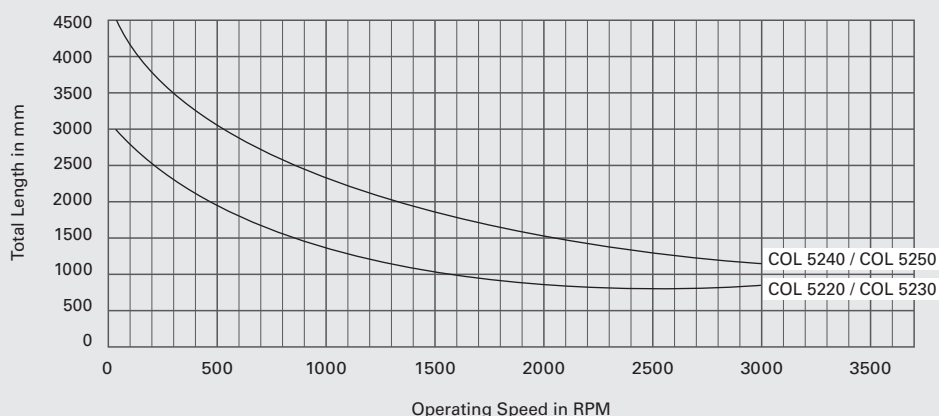
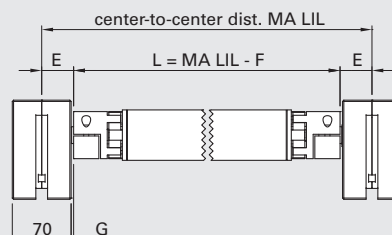
Tightening torque: 15 Nm (COL 5240)

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

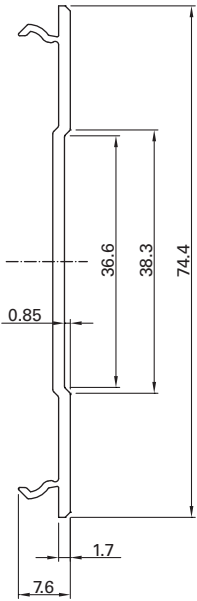
Description	Order Code ¹
Connection Shaft With Couplings VWZ-30 / d = 12 mm	COL 5220 SNN ____
Connection Shaft With Couplings EDC25 / d = 12 mm	COL 5230 SNN ____
Connection Shaft With Couplings VWZ-60 / d = 20 mm	COL 5240 SNN ____
Connection Shaft With Couplings EDC80 / d = 20 mm	COL 5250 SNN ____

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



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

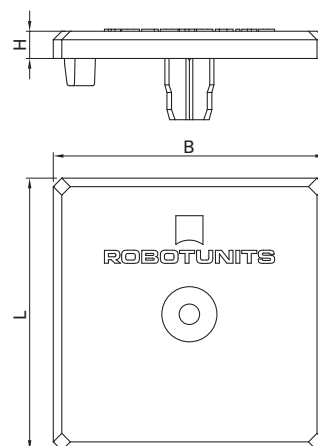
**Application**

Used for covering the ends of extrusions

- Self-centering
- Retained through expanding anchor
- Reusable

Technical Data

Material: black ABS V0 composite

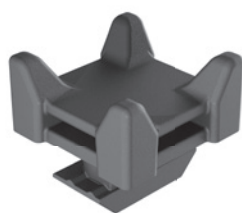


Order Code

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

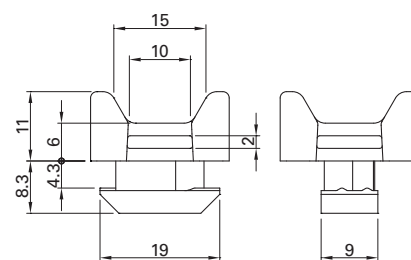
Cable Block

**Application**

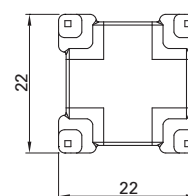
To secure cables, hoses, and lines to extrusions using cable ties in x/y direction from the T-slot

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

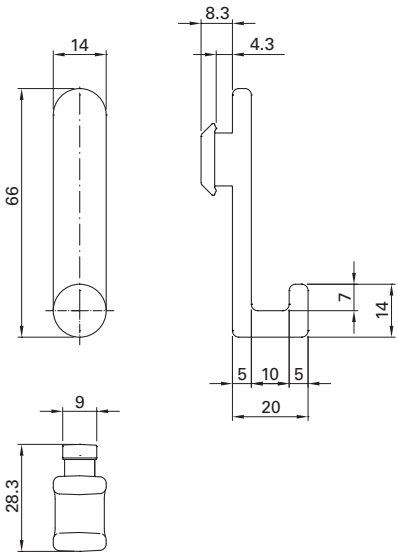
Plastic Hook



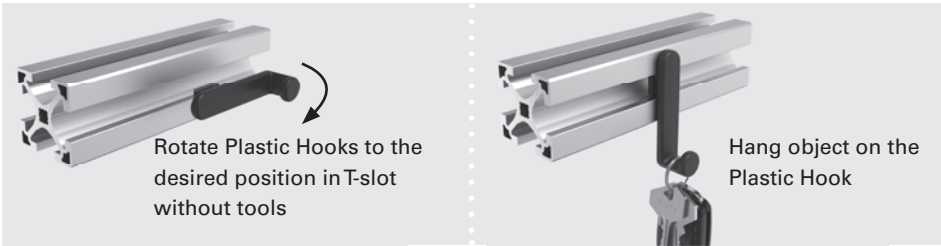
Application
For hanging items and objects along the T-slot

Technical Data
Material: PA composite
fiberglass-reinforced, black

Load capacity: max. 10 kg



Function



Order Code

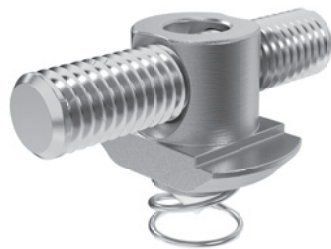
Description		Order Code	Weight
Plastic Hook		PIN 4590	0.010 kg

TIN 4501

Fine-Tuning And Fixing Element



Base Part with
GST M08x021 SPI GST M08x040

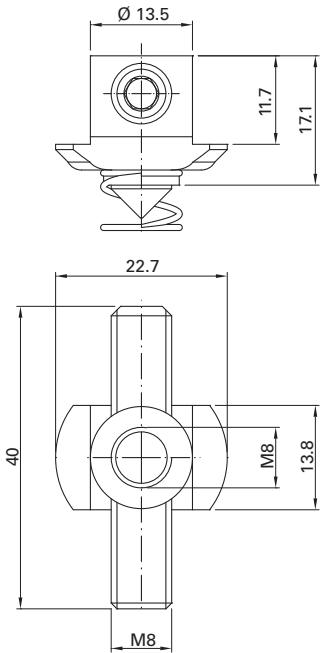


Spring

Application
Used for securing and fine tuning component positions. Post insertion possible, can be used with 40 mm and 50 mm series extrusions, e.g.:
• Conveyor Belt Tracking
• Fine adjustment of cross bars
• Securing connections

Technical Data
Material: galvanized steel

TIN 4501 can also be used for electrical grounding.

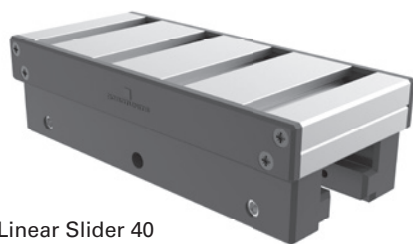


Order Code

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

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

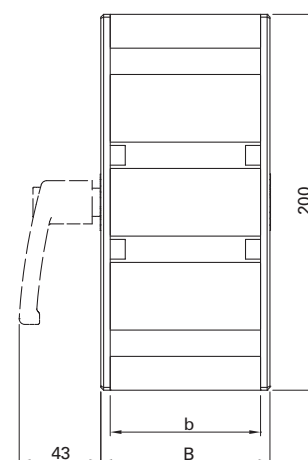
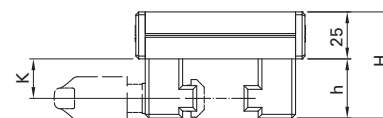
Material: clear anodized aluminum
POM-C black, ABS V0 black, galvanized steel

Scope of Delivery

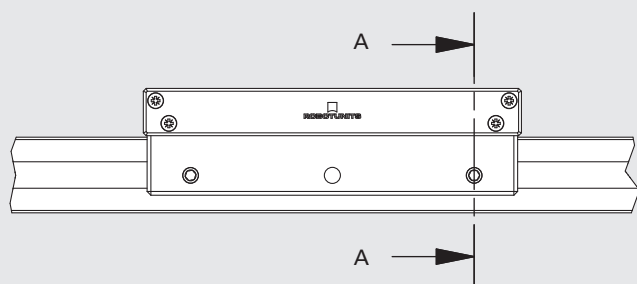
Completely pre-assembled, consisting of:

- 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)

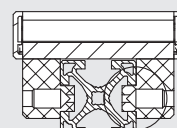
The Linear Slider is not suitable for cantilevered loads and is NOT a replacement for a Linear Motion Unit.



Assembly

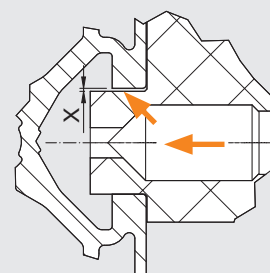


A-A



B

Adjusting the guide play X via a set screw



B



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

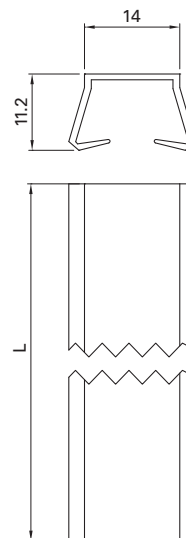
LED lighting with CAL4508*

Max. power of the LED: 20 W/m

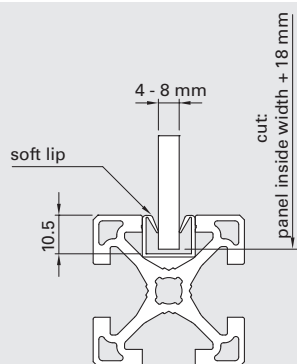
Light intensity 1 m below the extrusion

with a luminous flux of 2000 lm/m:

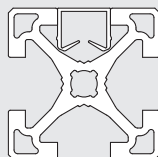
850 Lux



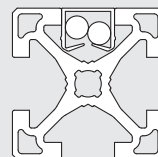
Application



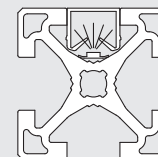
Application as
insert extrusion



Application as a
cover extrusion



Application as a
cover extrusion for
cable routing



Application as a
cover extrusion with
LED lighting*

Order Code

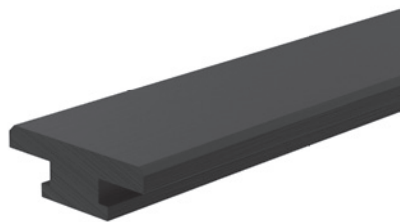
Description	Order Code ¹	
	Length	Weight/Meter
Cover/Insert Extrusion, black, cut to length	CAL 4500 SNN ____	0.050 kg
Cover/Insert Extrusion, black, stock length 2000 mm	CAL 4500 NNN 2000	0.050 kg
Cover/Insert Extrusion, black, 160 lengths at 2000 mm	CAL 4500 PAC 0160	0.050 kg
Cover/Insert Extrusion, 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

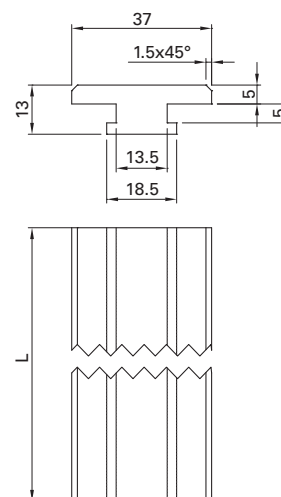
Material: PAS-PE3 composite, black

Stock length: 2000 mm

Temperature range:

-10° to 70° continuous,

90° to 100° short-term



Order Code

Description	Order Code ¹		Weight/Meter
	Length		
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

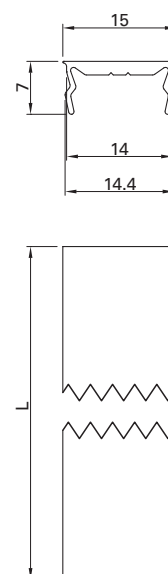
**Application**

Used for covering T-slots:

- Dust protection
- Splash guard
- Cable routing

Technical Data

Material: anodized aluminum



Order Code

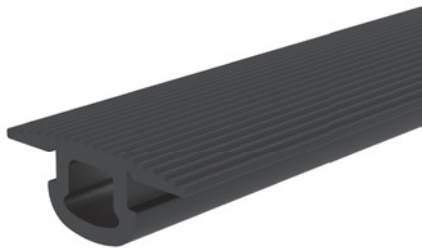
	Order Code ¹		
Description	Length		Weight/Meter
Aluminium Cover Extrusion, cut to length	CAL 4545 SNN ____		0.043 kg
Aluminum Cover Extrusion, stock length: 2050 mm (usable length 2000 mm)	CAL 4545 NNN 2050		0.043 kg

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

Drawing dimensions in mm

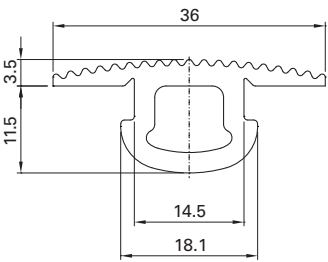
CAL 4560

Anti-Slip Profile



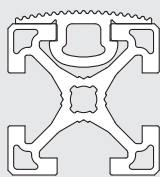
Application
Anti-slip protection for steps
(ladders, stairs, etc.)

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



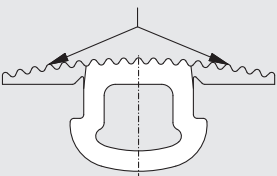
Application

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

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

CAL 4565

Gasket

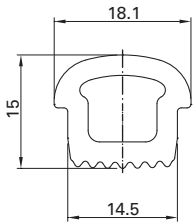


Application

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

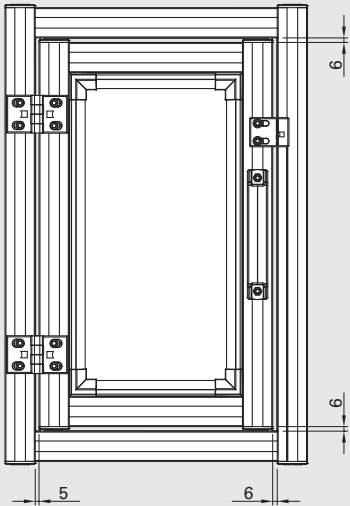
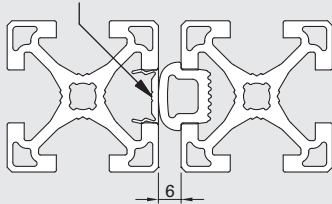
Technical Data

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



Function

Aluminum Cover Extrusion CAL 4545



Order Code

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

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

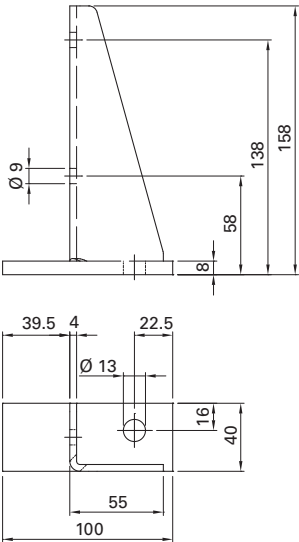
BAP 205_

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

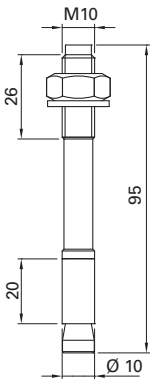
Anchor Bolt



Application
For anchoring structures to the floor

Technical Data
Material: galvanized steel

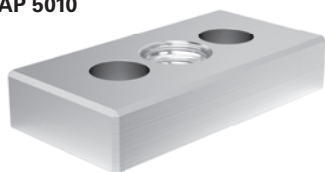
Permitted tensile load: 6.7 kN
(concrete hardness class C20/25)
Minimum anchor depth: 60 mm



Order Code

Description	Order Code	Weight
Anchor Bolt	BAP 2900	0.055 kg

BAP 4080
BAP 5010



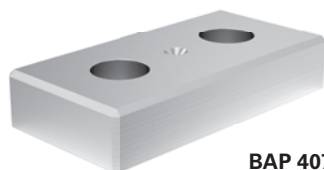
Application

Used for attaching leveling bases or other transportation devices.

Technical Data

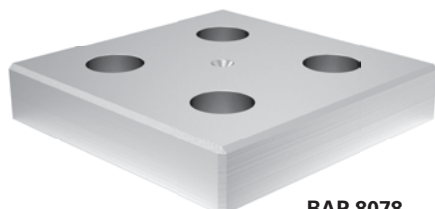
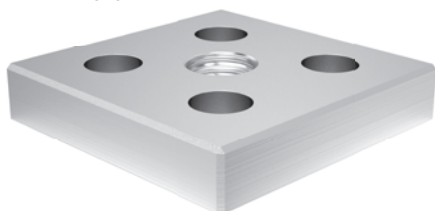
Material: galvanized steel

Application

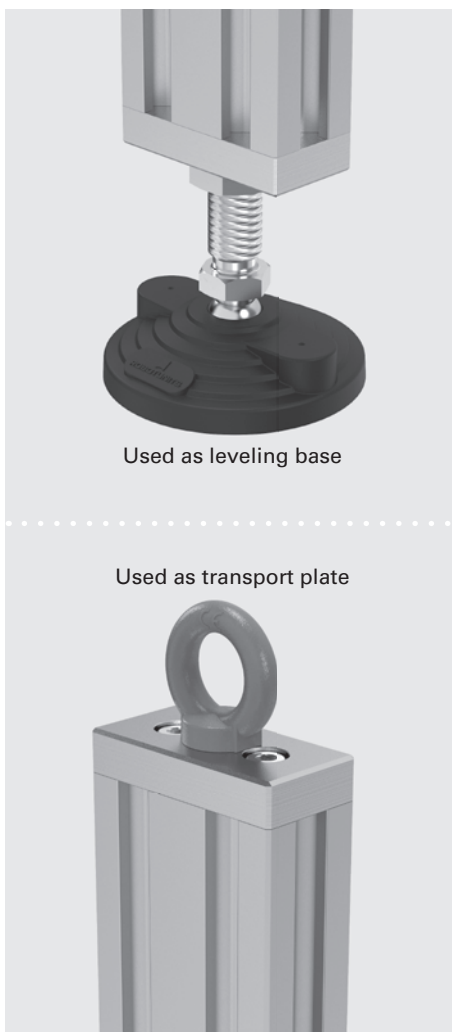


BAP 4078
BAP 5008

BAP 8080
BAP 1010

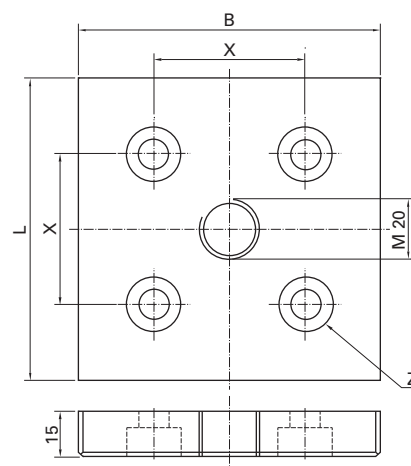
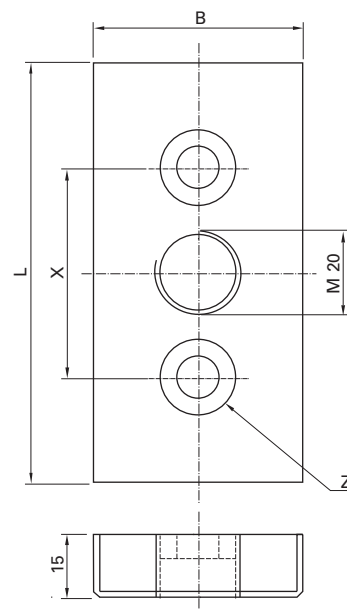


BAP 8078
BAP 1008



Used as leveling base

Used as transport plate



Order Code

Description	L	W	X	Z ¹	Order Code	Weight
Base And Transport Plate 40x80, no thread	80	40	40	IBS M08x020	BAP 4078	0.343 kg
Base And Transport Plate 40x80, M20 thread	80	40	40	IBS M08x020	BAP 4080	0.312 kg
Base And Transport Plate 80x80, no thread	80	80	40	IBS M08x020	BAP 8078	0.682 kg
Base And Transport Plate 80x80, M20 thread	80	80	40	IBS M08x020	BAP 8080	0.655 kg
Base And Transport Plate 50x100, no thread	100	50	50	IBS 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 ____

Leveling Base M8/M10

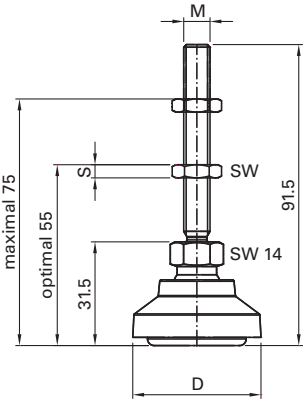


Application
 Pivoting, height adjustable floor bracket
 for stands, frames and enclosures

- Continuous height adjustment
 (+/- 20 mm)
- Vibration damping
- Ball joint

Technical Data
 Material: galvanized steel;
 PA 6 composite; rubbe

BAS 4008: max. load 350 kg
 BAS 5010: max. load 450 kg



Order Code

Description	M	D	S	SW	Scope of Delivery			Order Code	Weight
					BAS4008	BAS5010	BAP4500		
Leveling Base M8	8	39	4	13	1			BAS 4008	0,062 kg
Leveling Base M8 with Mounting Plate	8	39	4	13	1		1	BAS 4108	0,092 kg
Leveling Base M10	10	49	6	17		1		BAS 5010	0,082 kg
Leveling Base M10 with Mounting Plate	10	49	6	17		1	1	BAS 5011	0,112 kg

BAS 1 ____

Leveling Base M20

BAS 1020

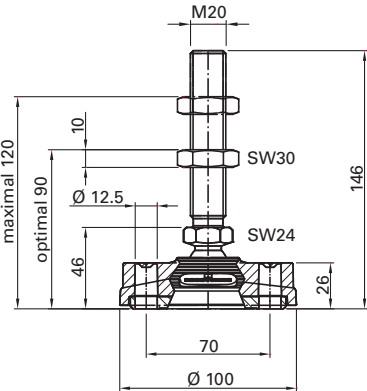


Application
 Pivoting, height adjustable floor bracket
 for stands, frames and enclosures

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

Technical Data
 BAS 1020
 Material: galvanized steel;
 PA 6 composite; rubbe

- Pivot range +/- 20°



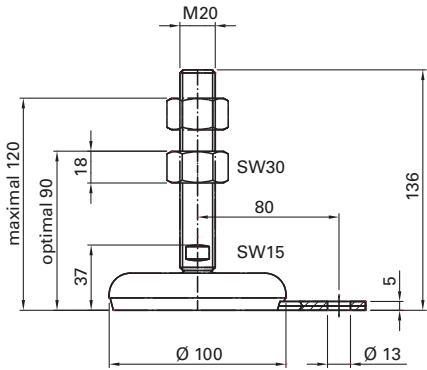
BAS 1120



BAS 1120
 Material: galvanized steel; rubbe

- Pivot range +/- 6°

max. load 950 kg



Order Code

	Order Code	
Description		Weight
Leveling Base M20	BAS 1020	0,479 kg
Leveling Base M20 with Mounting Plate	BAS 1120	0,715 kg

BAP 4500

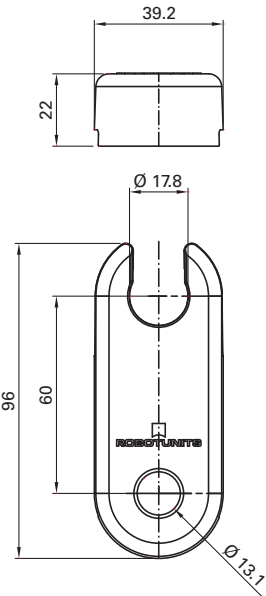
Mounting Plate



Application
Fixing Leveling Base to the floor

Technical Data
Material: PA 6

Tightening torque
Anchor Bolt BAP 2900 = 12 Nm
(not included in the scope of delivery)



Application

BAP 4108



BAP 5011



Order Code

Description	Order Code	Weight
Mounting Plate	BAP 4500	0,030 kg

Drawing dimensions in mm



CAS_08_

Castor With Plate

CAS 0080

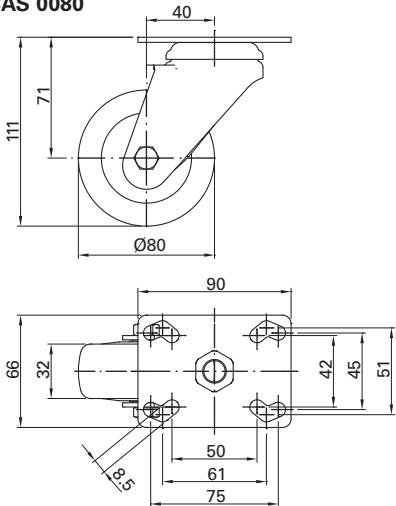


Application
Transport carts of all types

Technical Data
Material: galvanized steel, rubber

Safe working load: 100 kg

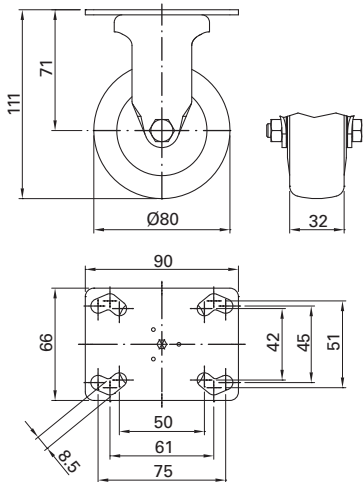
CAS 0080



CAS 0082



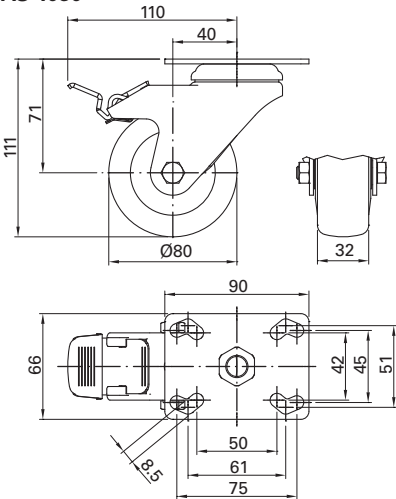
CAS 0082



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

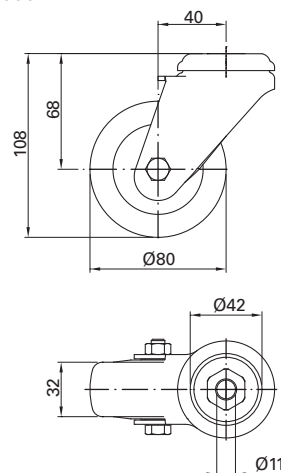
Safe working load: 100 kg

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

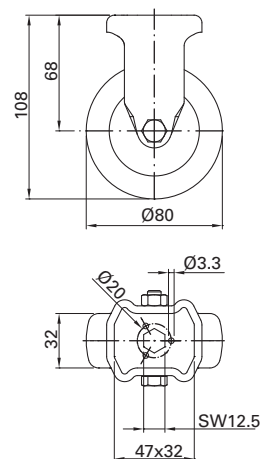
CAS 2080



CAS 2082



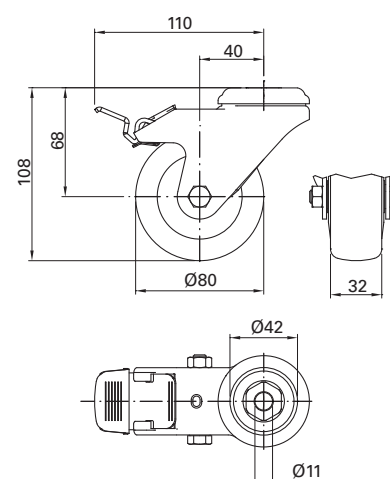
CAS 2082



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

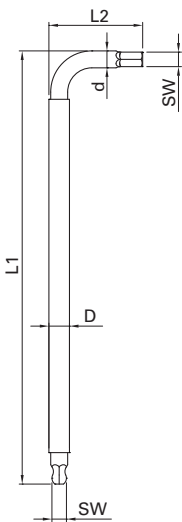
EQC 1001_

Allen Key For Hex Socket Head Cap Screws



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

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

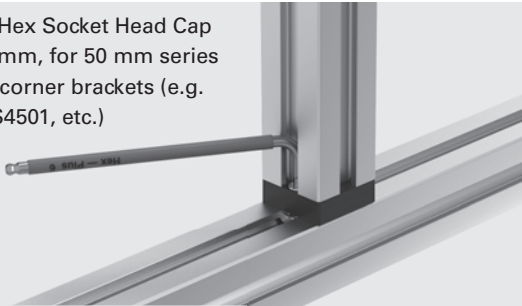


Application

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



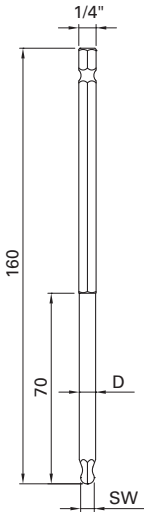
Description	SW	d	D	L1	L2	Order Code	Weight
Allen Key For Hex Socket Head Cap Screws, 5 mm	5	6	7.5	160	35	EQC10016	0.040 kg
Allen Key For Hex Socket Head Cap Screws, 6 mm	6	7	8.5	180	40	EQC10017	0.060 kg

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	5	6	EQC10052	0.060 kg
	6	6.7		

Drawing dimensions in mm