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.

**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

**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

**Fine-tuning and Fastening element**
- multifunctional Fine-Tuning and Fastening Element
- form located positioning
- infinitely adjustable
- post-assembly insertion possible
## Multifunctional Accessories

<table>
<thead>
<tr>
<th>Conveyor Technology Accessories</th>
<th>Page 138</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply 400V CCL 00__</td>
<td>P. 138</td>
</tr>
<tr>
<td>Speed Controller CCN 0004</td>
<td>P. 139</td>
</tr>
<tr>
<td>Power Supply 24V SUL 2000</td>
<td>P. 139</td>
</tr>
<tr>
<td>Connection Hub COP 4501</td>
<td>P. 140</td>
</tr>
<tr>
<td>Splined Shaft COL 8500</td>
<td>P. 141</td>
</tr>
<tr>
<td>Tilt Plate 80 Tilt Plate 80 Bent</td>
<td>P. 150</td>
</tr>
<tr>
<td>TIN 4561/TIN 4571</td>
<td></td>
</tr>
<tr>
<td>Connection Shaft with Couplings COL 52_0</td>
<td>P. 173</td>
</tr>
<tr>
<td>Fine-Tuning and Fixing Element TIN 4501</td>
<td>P. 176</td>
</tr>
<tr>
<td>Safety Fence Floor Bracket BAP 20__</td>
<td>P. 182</td>
</tr>
<tr>
<td>Anchor Bolt BAP 2900</td>
<td>P. 182</td>
</tr>
<tr>
<td>Leveling Bases BAS ____</td>
<td>P. 184</td>
</tr>
<tr>
<td>Castors CAS ____</td>
<td>P. 186</td>
</tr>
</tbody>
</table>

## Safety Fence Accessories

| Panel Profile CAL 451_           | P. 145   |
| Weld Mesh PAN ____               | P. 142   |
| Panel PAN ____                   | P. 142   |
| Weld Mesh Clip SSP 4520          | P. 143   |
| Mesh Retainer SSP 4515           | P. 143   |
| Clamping Device PIN 452_         | P. 144   |
| Bolt SSP 4900                    | P. 152   |
| Screw Retainer Screw SSP 5500    | P. 152   |
| 90° Corner Piece CAN 4501        | P. 146   |
| 270° Corner Piece CAN 4503       | P. 147   |
| Safety Fence Fastener TIN 4511   | P. 148   |
| 90° Safety Fence Fastener TIN 4521 | P. 149 |
| Handle DOR 4501                  | P. 153   |
| Magnet Holder DOR 4541           | P. 153   |
| Door Latch DOR 4551              | P. 154   |
| Door Catch DOR 4553              | P. 155   |
| Door Stop DOR 4555               | P. 156   |
| Safety Slide DOR 4557            | P. 156   |
| Hinge DOR 4511                   | P. 157   |
| Safety Interlock DOR 4580        | P. 158   |
| Guiderail DOL 4034               | P. 159   |
| Roller Set DOR 4031              | P. 159   |
| Sliding Door Stop DOR 4032       | P. 160   |
| Centering Guide DOR 4571         | P. 160   |
| Slider DOR 4573                  | P. 161   |
| Door Support Castor DOR 456       | P. 162   |
| Floor Catch DOR 4561             | P. 163   |
| Safety Fence Floor Bracket BAP 205 | P. 182 |
| Anchor Bolt BAP 2900             | P. 182   |
## Linear Motion System Accessories

<table>
<thead>
<tr>
<th>Part</th>
<th>Image</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing Belt Pulley LIN 5400</td>
<td><img src="image1" alt="Image" /></td>
<td>164</td>
</tr>
<tr>
<td>Timing Belt LIL 3008</td>
<td><img src="image2" alt="Image" /></td>
<td>165</td>
</tr>
<tr>
<td>Timing Belt Clamp LIN 3221</td>
<td><img src="image3" alt="Image" /></td>
<td>165</td>
</tr>
<tr>
<td>Idlers LIN 50</td>
<td><img src="image4" alt="Image" /></td>
<td>166</td>
</tr>
<tr>
<td>Wrench LIL 9990</td>
<td><img src="image5" alt="Image" /></td>
<td>167</td>
</tr>
<tr>
<td>Guiderail LIL 5000</td>
<td><img src="image6" alt="Image" /></td>
<td>167</td>
</tr>
<tr>
<td>Carriage Plate LIN 1501 / 2001</td>
<td><img src="image7" alt="Image" /></td>
<td>168</td>
</tr>
<tr>
<td>Limit Stop LIN 5191</td>
<td><img src="image8" alt="Image" /></td>
<td>168</td>
</tr>
<tr>
<td>Proximity Switch Bracket LIN 8201</td>
<td><img src="image9" alt="Image" /></td>
<td>169</td>
</tr>
<tr>
<td>Proximity Switch LIN 8301</td>
<td><img src="image10" alt="Image" /></td>
<td>169</td>
</tr>
<tr>
<td>Angle Plug with Cable LIN 8312</td>
<td><img src="image11" alt="Image" /></td>
<td>169</td>
</tr>
<tr>
<td>Motor Flange LIN 5241</td>
<td><img src="image12" alt="Image" /></td>
<td>170</td>
</tr>
<tr>
<td>Coupling LIN 523_</td>
<td><img src="image13" alt="Image" /></td>
<td>170</td>
</tr>
<tr>
<td>Driveshaft/Encoder Shaft LIN 52_</td>
<td><img src="image14" alt="Image" /></td>
<td>171</td>
</tr>
<tr>
<td>Expanding Coupling LIN 5246</td>
<td><img src="image15" alt="Image" /></td>
<td>172</td>
</tr>
<tr>
<td>Encoder LIN 7501</td>
<td><img src="image16" alt="Image" /></td>
<td>172</td>
</tr>
<tr>
<td>Connection Shaft with Coupling COL 5240</td>
<td><img src="image17" alt="Image" /></td>
<td>173</td>
</tr>
</tbody>
</table>

## General Modular Accessories

<table>
<thead>
<tr>
<th>Part</th>
<th>Image</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Shaft with Couplings COL 52_0</td>
<td><img src="image18" alt="Image" /></td>
<td>173</td>
</tr>
<tr>
<td>Cover Extrusion for PIL 4012 CAL 4012</td>
<td><img src="image19" alt="Image" /></td>
<td>174</td>
</tr>
<tr>
<td>End Cap CAP</td>
<td><img src="image20" alt="Image" /></td>
<td>175</td>
</tr>
<tr>
<td>Cable Block PIN 4530</td>
<td><img src="image21" alt="Image" /></td>
<td>175</td>
</tr>
<tr>
<td>Plastic Hook PIN 4590</td>
<td><img src="image22" alt="Image" /></td>
<td>176</td>
</tr>
<tr>
<td>Fine-Tuning and Fixing Element TIN 4501</td>
<td><img src="image23" alt="Image" /></td>
<td>176</td>
</tr>
<tr>
<td>Linear Slider LIN 404_/LIN 505_</td>
<td><img src="image24" alt="Image" /></td>
<td>177</td>
</tr>
<tr>
<td>Cover/Insert Extrusion CAL 45</td>
<td><img src="image25" alt="Image" /></td>
<td>178</td>
</tr>
<tr>
<td>T-Slot Sliding Rail CAL 4540</td>
<td><img src="image26" alt="Image" /></td>
<td>179</td>
</tr>
<tr>
<td>Aluminum Cover Extrusion CAL 4545</td>
<td><img src="image27" alt="Image" /></td>
<td>179</td>
</tr>
<tr>
<td>Anti-Slip Profile CAL 4560</td>
<td><img src="image28" alt="Image" /></td>
<td>180</td>
</tr>
<tr>
<td>Gasket CAL 4565</td>
<td><img src="image29" alt="Image" /></td>
<td>181</td>
</tr>
<tr>
<td>Safety Fence Floor Bracket BAP 205_</td>
<td><img src="image30" alt="Image" /></td>
<td>182</td>
</tr>
<tr>
<td>Anchor Bolt BAP 2900</td>
<td><img src="image31" alt="Image" /></td>
<td>182</td>
</tr>
<tr>
<td>Base and Transport Plates BAP</td>
<td><img src="image32" alt="Image" /></td>
<td>183</td>
</tr>
<tr>
<td>Leveling Bases BAS</td>
<td><img src="image33" alt="Image" /></td>
<td>184</td>
</tr>
<tr>
<td>Castors CAS</td>
<td><img src="image34" alt="Image" /></td>
<td>186</td>
</tr>
<tr>
<td>Allen Key for Hex Socket Head Cap Screws EQL 1001_</td>
<td><img src="image35" alt="Image" /></td>
<td>188</td>
</tr>
<tr>
<td>1/4&quot; Hex Bit with Ball End EQL 1005_</td>
<td><img src="image36" alt="Image" /></td>
<td>189</td>
</tr>
</tbody>
</table>
**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply 400V (engine power 0,12 kW)</td>
<td>CCL 0012 SNN ____</td>
<td>0,8 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
<tr>
<td>Power Supply 400V (engine power 0,18 kW)</td>
<td>CCL 0018 SNN ____</td>
<td>0,8 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
<tr>
<td>Power Supply 400V (engine power 0,25 kW)</td>
<td>CCL 0025 SNN ____</td>
<td>0,9 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
<tr>
<td>Power Supply 400V (engine power 0,37 kW)</td>
<td>CCL 0037 SNN ____</td>
<td>0,9 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
<tr>
<td>Power Supply 400V (engine power 0,55 kW)</td>
<td>CCL 0055 SNN ____</td>
<td>0,9 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
<tr>
<td>Power Supply 400V (engine power 0,75 kW)</td>
<td>CCL 0075 SNN ____</td>
<td>0,9 kg + 0,2 kg/m power cable</td>
<td></td>
</tr>
</tbody>
</table>
CCN 0004

**Speed Controller**

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Controller (not wired)</td>
<td>CCN 0004</td>
<td></td>
<td>2.300 kg</td>
</tr>
<tr>
<td>Speed Controller with SCHUKO plug (wired)</td>
<td>CCL 0005 SNN</td>
<td></td>
<td>2.4 kg + 0.2 kg/m power cable</td>
</tr>
<tr>
<td>Speed Controller with CEE plug (wired)</td>
<td>CCL 0006 SNN</td>
<td></td>
<td>2.5 kg + 0.2 kg/m power cable</td>
</tr>
</tbody>
</table>

SUL 2000

**Power Supply 24V**

**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 connecting cable to the conveyor

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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply 24V</td>
<td>SUL 2000 SNN</td>
<td></td>
<td>10 kg + 0.2 kg/m power cable connection</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Hub Kit</td>
<td>COP 4501</td>
<td>0.550 kg</td>
</tr>
</tbody>
</table>
**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code¹</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splined Shaft</td>
<td>COL 8500 SNN</td>
<td>_ _ _ _</td>
<td>1.930 kg/m</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight/m²</th>
<th>Weight/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weld Mesh, 40x40x4 mm standard</td>
<td>4.800 kg</td>
<td>3.952 kg</td>
</tr>
<tr>
<td>Weld Mesh, 40x40x4 mm standard</td>
<td>6.000 kg</td>
<td>6.163 kg</td>
</tr>
<tr>
<td>Weld Mesh, 40x40x4 mm standard</td>
<td>7.200 kg</td>
<td>8.375 kg</td>
</tr>
<tr>
<td>Weld Mesh, 40x40x4 mm standard</td>
<td>12.429 kg</td>
<td>12.429 kg</td>
</tr>
<tr>
<td>Weld Mesh, 40x40x4 mm</td>
<td>4.360 kg</td>
<td>4.360 kg</td>
</tr>
</tbody>
</table>

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

---

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight/m²</th>
<th>Weight/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Polycarbonate Glass 4 mm</td>
<td>4.800 kg</td>
<td>4.800 kg</td>
</tr>
<tr>
<td>Clear Polycarbonate Glass 5 mm</td>
<td>6.000 kg</td>
<td>6.000 kg</td>
</tr>
<tr>
<td>Clear Polycarbonate Glass 6 mm</td>
<td>7.200 kg</td>
<td>7.200 kg</td>
</tr>
<tr>
<td>Tinted Polycarbonate Glass 4 mm</td>
<td>4.800 kg</td>
<td>4.800 kg</td>
</tr>
<tr>
<td>Tinted Polycarbonate Glass 5 mm</td>
<td>6.000 kg</td>
<td>6.000 kg</td>
</tr>
<tr>
<td>Tinted Polycarbonate Glass 6 mm</td>
<td>7.200 kg</td>
<td>7.200 kg</td>
</tr>
<tr>
<td>Expanded PVC Panel, gray, similar to RAL 7004</td>
<td>3.250 kg</td>
<td>3.250 kg</td>
</tr>
</tbody>
</table>

1) Please complete the order code by adding the desired width and length. Drawing dimensions in mm
1) Please complete the order code by adding the desired width and length.  
Drawing dimensions in mm
PIN 452

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

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamping Device Kit</td>
<td>PIN 4521 0.021 kg</td>
</tr>
<tr>
<td>Pin</td>
<td>SPS 5x20 0.002 kg</td>
</tr>
</tbody>
</table>

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**
Snap in base, apply gasket
Fastened panel

**Length Calculation**
Detail A: 90° corner piece with 90° corner piece
Detail B: 90° corner piece with 270° corner piece
Detail C: 270° corner piece with 270° corner piece

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code(^1)</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Profile, 3.1 - 6 mm, cut to length</td>
<td>CAL 4515 SNN ___</td>
<td></td>
<td>0.280 kg</td>
</tr>
<tr>
<td>Panel Profile, 3.1 - 6 mm, stock length: 3000 mm</td>
<td>CAL 4515 NNN 3000</td>
<td></td>
<td>0.280 kg</td>
</tr>
<tr>
<td>Panel Profile, 3.1 - 6 mm, 25 rods, stock length: 3000 mm</td>
<td>CAL 4515 PAC 0025</td>
<td></td>
<td>0.280 kg</td>
</tr>
<tr>
<td>Panel Profile, 1 - 3 mm, cut to length</td>
<td>CAL 4517 SNN ___</td>
<td></td>
<td>0.280 kg</td>
</tr>
<tr>
<td>Panel Profile, 1 - 3 mm, stock length: 3000 mm</td>
<td>CAL 4517 NNN 3000</td>
<td></td>
<td>0.280 kg</td>
</tr>
<tr>
<td>Panel Profile, 1 - 3 mm, 25 rods, stock length: 3000 mm</td>
<td>CAL 4517 PAC 0025</td>
<td></td>
<td>0.280 kg</td>
</tr>
</tbody>
</table>
**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**: 90° corner piece with 90° corner piece
- **Detail B**: 90° corner piece with 270° corner piece

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>90° Corner Piece Kit</td>
<td>CAN 4501</td>
<td>0.010 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
**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

---

**Assembly**

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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>270° Corner Piece Kit</td>
<td>CAN 4503</td>
<td>0.012 kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Fence Fastener Kit</td>
<td>TIN 4510 1</td>
<td>TIN 4511¹</td>
<td>0.150 kg</td>
</tr>
<tr>
<td>Safety Fence Fastener Kit</td>
<td>TIN 4598 2</td>
<td>TIN 4511CP²</td>
<td>0.150 kg</td>
</tr>
</tbody>
</table>

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

Drawing dimensions in mm
**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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIN 4520</td>
<td>1</td>
<td>TIN 4521¹</td>
<td>0.150 kg</td>
</tr>
<tr>
<td>TIN 4598</td>
<td>2</td>
<td>TIN 4521CP²</td>
<td>0.150 kg</td>
</tr>
<tr>
<td>IBS M08x016NIKO</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Variable connection of modular components
• Sturdy connection of conveyor and stand
• Infinitely adjustable incline

Technical Data
Material: galvanized steel

Possible inclination settings

Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt Plate 80 Kit</td>
<td>TIN 4530 1 TIN 4508 4 IBS M08x016NIKO 4 BLS M008S02 2</td>
<td>TIN 4561</td>
<td>0.370 kg</td>
</tr>
</tbody>
</table>
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

Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>TIN 4540</th>
<th>TIN 4508</th>
<th>IBS M08x016NIKO</th>
<th>BLS M008S02</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt Plate 80 Bent Kit</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>0.370 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
### Bolt

**Application**
For mounting Allround Panels

**Technical Data**
Material: nitrated steel

**Function**

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolt</td>
<td>SSP 4900</td>
<td>0.010 kg</td>
</tr>
</tbody>
</table>

### SSP 5500 Screw Retainer

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

**Technical Data**
Material: PVC and PA

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw Retainer</td>
<td>SSP 5500</td>
<td>0.001 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Retention Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø6.5</td>
<td>2600 N</td>
</tr>
<tr>
<td></td>
<td>3000 N</td>
</tr>
</tbody>
</table>

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handle Kit</td>
<td>DOR 4500 1</td>
<td>TIN 4506 2</td>
<td>IBS M06x020 2</td>
</tr>
</tbody>
</table>

**DOR 4541**

**Magnet Holder**

**Application**
Closing device for frameless doors

**Technical Data**
Material: POM composite, black, galvanized steel

**Retention Force**

Retention Force: front 20 N, back 8 N

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnet Holder Kit</td>
<td>DOR 4540 1</td>
<td>TIN 4506 2</td>
<td>IBS M06x020 2</td>
</tr>
</tbody>
</table>
**DOR 4551**

**Door Latch**

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

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

**For extra security.**

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Latch Kit</td>
<td>DOR 4550</td>
<td>TIN 4506</td>
<td></td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
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

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Catch Kit</td>
<td>DOR 4552</td>
<td>DOR 4553</td>
<td>0.100 kg</td>
</tr>
<tr>
<td></td>
<td>TIN 4506</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Stop Kit</td>
<td>DOR 4554</td>
<td>TIN 4506</td>
<td>BLS M006</td>
</tr>
</tbody>
</table>

---

**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**
Door is open: Safety slide sits on the door latch. Safety slide falls down onto the drop-in nut and prevents the door from being inadvertently closed.
Door will be closed: To close the door, the safety slide must be manually lifted.

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Slide Kit</td>
<td>Base Part 1</td>
<td>TIN 4508 1</td>
<td>GST M08x012 SPI 1</td>
</tr>
</tbody>
</table>

---

Drawing dimensions in mm
**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

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge Kit</td>
<td>DOR 4510 TIN 4506 IBS M06x016NIKO</td>
<td>DOR 4511</td>
<td>0.222 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
**DOR 458_**

**Safety Interlock**

**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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Interlock with Actuator</td>
<td>DOR 4580</td>
<td>0.125 kg</td>
</tr>
<tr>
<td>Safety Interlock with actuator and ball</td>
<td>DOR 4582</td>
<td>0.160 kg</td>
</tr>
<tr>
<td>Safety Interlock with actuator and ball</td>
<td>DOR 4581</td>
<td>0.155 kg</td>
</tr>
<tr>
<td>Fastening Kit A</td>
<td>DOR 4583</td>
<td>0.230 kg</td>
</tr>
<tr>
<td>Fastening Kit B</td>
<td>DOR 4583</td>
<td>0.230 kg</td>
</tr>
</tbody>
</table>

**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
**Guiderail**

**Application**
For sliding doors

**Technical Data**
Material: clear anodized aluminum

Hole spacing = 220 mm
Max. load = 80 kg per sliding door

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOL 4034 SNN</td>
<td>0.996 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOL 4034 NNN 6050</td>
<td>0.996 kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Roller**

**Application**
Sliding Door

**Technical Data**
Material: clear anodized aluminum, PA6 white, galvanized steel

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>DOR 4030</th>
<th>TIN 8010</th>
<th>SKM M10FLA</th>
<th>GST M10x050</th>
<th>BLS M010</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roller Kit</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0.140 kg</td>
</tr>
</tbody>
</table>

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

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

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

**Application**
Rubber stop with retention spring

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sliding Door Stop</td>
<td>DOR 4032</td>
<td>0.126 kg</td>
</tr>
</tbody>
</table>

### Centering Guide

**Application**
For sliding doors

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

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centering Guide Kit</td>
<td>DOR 4570 1</td>
<td>TIN 4508 1</td>
<td>IBS M08x016NIKO 1</td>
</tr>
</tbody>
</table>
**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slider Kit</td>
<td>DOR 4572</td>
<td>TIN 4506</td>
<td>IBS M06x025</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>DOR 4573</td>
<td>0.060 kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- 1 screw IBS M10x020
- 2 Washers BLS M010
- 1 Hexagon Nut SKM M10
- 2 Screws IBS M08x016NIKO
- 2 Drop-in Nuts TIN 4508
- 2 Washers BLS M008

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

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Support Castor Kit, rigid</td>
<td>DOR 4565</td>
<td>0.510 kg</td>
</tr>
<tr>
<td>Door Support Castor Kit, swivel</td>
<td>DOR 4567</td>
<td>0.680 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor Catch Kit</td>
<td>DOR 4561</td>
<td>0.545 kg</td>
</tr>
</tbody>
</table>

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.

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing Belt Pulley</td>
<td>LIN 5400</td>
</tr>
<tr>
<td>Timing Belt Pulley with Fastening Kit 50</td>
<td>LIN 5451</td>
</tr>
<tr>
<td>Timing Belt Pulley with Fastening Kit 100</td>
<td>LIN 5411</td>
</tr>
<tr>
<td>Timing Belt Pulley with Fastening Kit 200</td>
<td>LIN 5421</td>
</tr>
</tbody>
</table>

1) Please complete the order code by adding the desired length. Drawing dimensions in mm
**LIL 3008**

**Timing Belt**

**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

**Timing Belt Length Calculation**
TL (Total Length), SL (Stroke Length), L (Timing Belt Length):
\[ L = 2 \times TL - 136 \text{ or } L = 2 \times SL + 944 \]

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing Belt RPU-8M-30-PAZ, cut to length</td>
<td>LIL 3008 SNN</td>
<td></td>
<td>0.155 kg</td>
</tr>
</tbody>
</table>

---

**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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timing Belt Clamp Kit</td>
<td>LIN 3221</td>
<td>0.205 kg</td>
</tr>
</tbody>
</table>
**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Idler Kit, concentric</td>
<td>LIN 5000 LIN 5002</td>
<td>LIN 5001</td>
<td>0.375 kg</td>
</tr>
<tr>
<td>Single Idler Kit, eccentric</td>
<td></td>
<td>LIN 5003</td>
<td>0.375 kg</td>
</tr>
</tbody>
</table>

---

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Idler Kit, concentric</td>
<td>LIN 5010 LIN 5012</td>
<td>LIN 5011</td>
<td>0.755 kg</td>
</tr>
<tr>
<td>Double Idler Kit, eccentric</td>
<td></td>
<td>LIN 5013</td>
<td>0.755 kg</td>
</tr>
</tbody>
</table>
**Wrench**

**Application**
For adjusting and tightening the eccentric bolt of the Idlers

**Technical Data**
Material: galvanized steel

---

**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

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrench LIN 9990</td>
<td>0.177 kg</td>
</tr>
</tbody>
</table>

---

**Guiderail**

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guiderail LIL 5000 SNN</td>
<td></td>
<td>1.105 kg</td>
</tr>
<tr>
<td>Guiderail, stock length 6050 mm (usable length 6000 mm) LIL 5000 NNN 6050</td>
<td></td>
<td>1.105 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carriage Plate 50 Kit</td>
<td>150 mm</td>
<td>LIN 1501</td>
<td>1.150 kg</td>
</tr>
<tr>
<td>Carriage Plate 100 Kit</td>
<td>200 mm</td>
<td>LIN 2001</td>
<td>1.530 kg</td>
</tr>
</tbody>
</table>

---

**LIN 5191**

**Limit Stop**

**Application**
Mechanical end stop, prevents pulley damage

**Technical Data/Scope of Delivery**
Material: galvanized steel, rubber  
Used in combination with LIN 3221 timing belt clamp.

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limit Stop Kit</td>
<td>LIN 5190 TIN 4508 GST M08x012 SPI</td>
<td>LIN 5191</td>
<td>0.036 kg</td>
</tr>
</tbody>
</table>

---

Drawing dimensions in mm
## Proximity Switch Bracket (LIN 8201)

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

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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proximity Switch Bracket Kit</td>
<td>LIN 8200 TIN 4508 HKS M08x018 BLS M008</td>
<td>LIN 8201</td>
<td>0.175 kg</td>
</tr>
</tbody>
</table>

## Proximity Switch (LIN 8310)

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proximity Switch, M12x1</td>
<td>LIN 8310</td>
<td>0.185 kg</td>
</tr>
</tbody>
</table>

## Angle Plug With Cable (LIN 8312)

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle Plug With Cable, 5 m</td>
<td>LIN 8312</td>
<td>0.020 kg</td>
</tr>
</tbody>
</table>
LIN 5241 Motor Flange

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

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

**Assembly**

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Flange Kit</td>
<td>LIN 5240 IBS M06x20 BLS M006</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 5241</td>
<td>0.390 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coupling d1 = d2 = 20 mm</td>
<td>LIN 5236</td>
<td>0.360 kg</td>
</tr>
<tr>
<td>Coupling d1 = 20 mm, d2 = 10 pre-drilled</td>
<td>LIN 5237</td>
<td>0.360 kg</td>
</tr>
</tbody>
</table>

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 5255**

**LIN 5248**

**Dimensions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Drive Shaft Kit</td>
<td>LIN 5252 LIN 5254 LIN 5248</td>
<td>LIN 5253</td>
<td>0.300 kg</td>
</tr>
<tr>
<td>Double Drive Shaft Kit</td>
<td>- 1 - 1 1</td>
<td>LIN 5255</td>
<td>0.400 kg</td>
</tr>
<tr>
<td>Encoder Shaft</td>
<td>- - 1 - -</td>
<td>LIN 5248</td>
<td>0.190 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expanding Coupling</td>
<td>LIN 5246</td>
<td>0.070 kg</td>
</tr>
</tbody>
</table>

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
Power requirement: 60 mA (10 VDC) 30 mA (24 VDC)
Supply voltage: 10 to 30 VDC
IP rating: IP64
Output: push/pull

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

Encoder LIN 7500
1 Encoder LIN 7500
including round connector

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encoder Kit for Linear Motion Unit</td>
<td>LIN 7501</td>
<td>0.660 kg</td>
</tr>
<tr>
<td>Encoder including round connector</td>
<td>LIN 7500</td>
<td>0.335 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
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

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Order Code1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Shaft With Couplings VWZ-30 / d = 12 mm</td>
<td>COL 5220 SNN</td>
<td></td>
</tr>
<tr>
<td>Connection Shaft With Couplings EDC25 / d = 12 mm</td>
<td>COL 5230 SNN</td>
<td></td>
</tr>
<tr>
<td>Connection Shaft With Couplings VWZ-60 / d = 20 mm</td>
<td>COL 5240 SNN</td>
<td></td>
</tr>
<tr>
<td>Connection Shaft With Couplings EDC80 / d = 20 mm</td>
<td>COL 5250 SNN</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code1</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover Extrusion For PIL4012, cut to length</td>
<td>CAL 4012 SNN</td>
<td></td>
<td>0.145 kg</td>
</tr>
<tr>
<td>Cover Extrusion For PIL 4012, 3050 mm long (usable length 3000 mm)</td>
<td>CAL 4012 NNN 3050</td>
<td></td>
<td>0.145 kg</td>
</tr>
<tr>
<td>Cover Extrusions For PIL 4012, 3050 mm long, 64 pcs. (usable length 3000 mm)</td>
<td>CAL 4012 PAC 0064</td>
<td></td>
<td>0.145 kg</td>
</tr>
</tbody>
</table>
### End Cap

**Application**
- Used for covering the ends of extrusions
- Self-centering
- Retained through expanding anchor
- Reusable

**Technical Data**
- Material: black ABS V0 composite

<table>
<thead>
<tr>
<th>Description</th>
<th>L</th>
<th>W</th>
<th>H</th>
<th>CAP</th>
<th>BKS 4x13</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Cap Kit 16x40</td>
<td>16</td>
<td>40</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>CAP 1641</td>
<td>0.002 kg</td>
</tr>
<tr>
<td>End Cap Kit 40x40</td>
<td>40</td>
<td>40</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>CAP 4041</td>
<td>0.005 kg</td>
</tr>
<tr>
<td>End Cap Kit 40x80</td>
<td>40</td>
<td>80</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>CAP 4081</td>
<td>0.009 kg</td>
</tr>
<tr>
<td>End Cap Kit 40x120</td>
<td>40</td>
<td>120</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>CAP 4013</td>
<td>0.019 kg</td>
</tr>
<tr>
<td>End Cap Kit 80x80 (2 x CAP 4081)</td>
<td>80</td>
<td>80</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>CAP 8081</td>
<td>0.018 kg</td>
</tr>
<tr>
<td>End Cap Kit 50x50</td>
<td>50</td>
<td>50</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>CAP 5051</td>
<td>0.010 kg</td>
</tr>
<tr>
<td>End Cap Kit 50x100</td>
<td>50</td>
<td>100</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>CAP 5011</td>
<td>0.019 kg</td>
</tr>
<tr>
<td>End Cap Kit 50x200 (2 x CAP 5011)</td>
<td>50</td>
<td>200</td>
<td>5</td>
<td>2</td>
<td>4</td>
<td>CAP 5021</td>
<td>0.038 kg</td>
</tr>
<tr>
<td>End Cap Kit 100x100 (2 x CAP 5011)</td>
<td>100</td>
<td>100</td>
<td>5</td>
<td>2</td>
<td>4</td>
<td>CAP 1011</td>
<td>0.038 kg</td>
</tr>
<tr>
<td>End Cap Kit 100x200 (4 x CAP 5011)</td>
<td>100</td>
<td>200</td>
<td>5</td>
<td>4</td>
<td>8</td>
<td>CAP 1021</td>
<td>0.076 kg</td>
</tr>
<tr>
<td>End Cap Kit 25x200</td>
<td>25</td>
<td>200</td>
<td>5</td>
<td>1</td>
<td>4</td>
<td>CAP 2521</td>
<td>0.022 kg</td>
</tr>
</tbody>
</table>

### PIN 4530

**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**
- Rotate cable block into T-slot into without tools
- Secure cables or wires with a cable tie

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 4530</td>
<td>0.005 kg</td>
</tr>
<tr>
<td>PIN 4530 PAC 0050</td>
<td>0.240 kg</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Hook</td>
<td>PIN 4590</td>
<td>0.010 kg</td>
</tr>
</tbody>
</table>

TIN 4501 Fine-Tuning And Fixing Element

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Scope of Delivery</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine-Tuning And Fixing Element Kit</td>
<td>TIN 4501</td>
<td>1 1 1 1</td>
<td>0.029 kg</td>
</tr>
</tbody>
</table>
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

Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>b</th>
<th>B</th>
<th>h</th>
<th>H</th>
<th>K</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Slider 40</td>
<td>80</td>
<td>90</td>
<td>31.5</td>
<td>56.5</td>
<td>21</td>
<td>LIN 4040</td>
<td>1.170 kg</td>
</tr>
<tr>
<td>Linear Slider 40 with clamping lever</td>
<td>80</td>
<td>90</td>
<td>31.5</td>
<td>56.5</td>
<td>21</td>
<td>LIN 4041</td>
<td>1.245 kg</td>
</tr>
<tr>
<td>Linear Slider 50</td>
<td>90</td>
<td>100</td>
<td>36.5</td>
<td>61.5</td>
<td>26</td>
<td>LIN 5050</td>
<td>1.245 kg</td>
</tr>
<tr>
<td>Linear Slider 50 with clamping lever</td>
<td>90</td>
<td>100</td>
<td>36.5</td>
<td>61.5</td>
<td>26</td>
<td>LIN 5051</td>
<td>1.400 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
Cover/Insert Extrusion

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
- Cut to length
- Panel inside width + 18 mm
- Soft lip

Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover/Insert Extrusion, black, cut to length</td>
<td>CAL 4500</td>
<td>SNN ___</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, black, stock length 2000 mm</td>
<td>CAL 4500</td>
<td>NNN 2000</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, black, 160 lengths at 2000 mm</td>
<td>CAL 4500</td>
<td>PAC 0160</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 1021 yellow, cut to length</td>
<td>CAL 4504</td>
<td>SNN ___</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 1021 yellow, stock length 2000 mm</td>
<td>CAL 4504</td>
<td>NNN 2000</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 1021 yellow, 160 lengths at 2000 mm</td>
<td>CAL 4504</td>
<td>PAC 0160</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, white translucent, cut to length</td>
<td>CAL 4508</td>
<td>SNN ___</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, white translucent, stock length 2000 mm</td>
<td>CAL 4508</td>
<td>NNN 2000</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, white translucent, 160 lengths at 2000 mm</td>
<td>CAL 4508</td>
<td>PAC 0160</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 7004 gray, cut to length</td>
<td>CAL 4510</td>
<td>SNN ___</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 7004 gray, length 2000 mm</td>
<td>CAL 4510</td>
<td>NNN 2000</td>
<td>0.050 kg</td>
</tr>
<tr>
<td>Cover/Insert Extrusion, RAL 7004 gray, 160 lengths at 2000 mm</td>
<td>CAL 4510</td>
<td>PAC 0160</td>
<td>0.050 kg</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code¹</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-Slot Sliding Rail, cut to length</td>
<td>CAL 4540 SNN</td>
<td>0.222 kg</td>
</tr>
<tr>
<td>T-Slot Sliding Rail, stock length: 2000 mm</td>
<td>CAL 4540 NNN 2000</td>
<td>0.222 kg</td>
</tr>
</tbody>
</table>

---

**CAL 4545**  
**Aluminum Cover Extrusion**

**Application**  
Used for covering T-slots:  
- Dust protection  
- Splash guard  
- Cable routing

**Technical Data**  
Material: anodized aluminum

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code¹</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium Cover Extrusion, cut to length</td>
<td>CAL 4545 SNN</td>
<td>0.043 kg</td>
</tr>
<tr>
<td>Aluminium Cover Extrusion, stock length: 2050 mm (usable length 2000 mm)</td>
<td>CAL 4545 NNN 2050</td>
<td>0.043 kg</td>
</tr>
</tbody>
</table>

---

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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-Slip Profile, cut to length</td>
<td>CAL 4560 SNN</td>
<td>0.213 kg</td>
</tr>
<tr>
<td>Anti-Slip Profile, roll length 20 m</td>
<td>CAL 4560 PAC 20000</td>
<td>0.213 kg</td>
</tr>
</tbody>
</table>

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

**Rework**

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

**Function of Anti-Slip Profile**

Modification for use as door gasket, bumper, etc.

**Cut away this part of the profile**
**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**

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Weight/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasket, cut to length</td>
<td>CAL 4565 SNN</td>
<td>0.160 kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Scope of Delivery</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Fence Floor Bracket</td>
<td>BAP 2050 TIN 4508 IBS M08x016NIKO HKS M08x040 BLS M008</td>
<td>BAP 2050</td>
<td>0.568 kg</td>
</tr>
<tr>
<td>Safety Fence Floor Bracket Kit</td>
<td>1 2 2 1 2</td>
<td>BAP 2051</td>
<td>0.638 kg</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchor Bolt</td>
<td>BAP 2900</td>
<td>0.055 kg</td>
</tr>
</tbody>
</table>
**Application**

**Used for attaching leveling bases or other transportation devices.**

**Technical Data**

Material: galvanized steel

---

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>L</th>
<th>W</th>
<th>X</th>
<th>Z'</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base And Transport Plate 40x80, no thread</td>
<td>80</td>
<td>40</td>
<td>40</td>
<td></td>
<td>BAP 4078</td>
<td>0.343 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 40x80, M20 thread</td>
<td>80</td>
<td>40</td>
<td>40</td>
<td></td>
<td>BAP 4080</td>
<td>0.312 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 80x80, no thread</td>
<td>80</td>
<td>80</td>
<td>40</td>
<td></td>
<td>BAP 8078</td>
<td>0.682 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 80x80, M20 thread</td>
<td>80</td>
<td>80</td>
<td>40</td>
<td></td>
<td>BAP 8080</td>
<td>0.655 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 50x100, no thread</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td></td>
<td>BAP 5008</td>
<td>0.533 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 50x100, M20 thread</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td></td>
<td>BAP 5010</td>
<td>0.503 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 100x100, no thread</td>
<td>100</td>
<td>100</td>
<td>50</td>
<td></td>
<td>BAP 1008</td>
<td>1.049 kg</td>
</tr>
<tr>
<td>Base And Transport Plate 100x100, M20 thread</td>
<td>100</td>
<td>100</td>
<td>50</td>
<td></td>
<td>BAP 1010</td>
<td>1.018 kg</td>
</tr>
</tbody>
</table>

1) Not included in the scope of delivery

Drawing dimensions in mm
**Leveling Base M8**

**BAS 08**

**BAS 4008**

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 5010**

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

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leveling Base, M8x40</td>
<td>BAS 4008</td>
<td>0.062 kg</td>
</tr>
<tr>
<td>Leveling Base with Mounting Plate M8x50</td>
<td>BAS 5010</td>
<td>0.140 kg</td>
</tr>
</tbody>
</table>

**Leveling Base M10**

**BAS 10**

**BAS 5010**

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**

Application
- Pivoting, height adjustable floor bracket for stands, frames and enclosures
  - Continuous height adjustment (+/- 15 mm)
  - Vibration damping
  - Ball joint

Technical Data
- BAS 5110
  - Material: galvanized steel; rubber
  - Max. load 800 kg

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leveling Base, M10x50</td>
<td>BAS 5010</td>
<td>0.087 kg</td>
</tr>
<tr>
<td>Leveling Base with Mounting Plate M10x50</td>
<td>BAS 5110</td>
<td>0.180 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
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 1120
Material: galvanized steel; PA 6 composite; rubber
Max. load 1000 kg

Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leveling Base, M20x100</td>
<td>BAS 1020</td>
<td>0.496 kg</td>
</tr>
<tr>
<td>Leveling Base with Mounting Plate M20x100</td>
<td>BAS 1120</td>
<td>0.690 kg</td>
</tr>
</tbody>
</table>
**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 0082

#### CAS 1080

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Castor With Plate 80 mm</td>
<td>CAS 0080</td>
<td>0.604 kg</td>
</tr>
<tr>
<td>Rigid Castor With Plate 80 mm</td>
<td>CAS 0082</td>
<td>0.462 kg</td>
</tr>
<tr>
<td>Swivel Castor With Plate and Brake 80 mm</td>
<td>CAS 1080</td>
<td>0.716 kg</td>
</tr>
</tbody>
</table>
CASTOR WITH BOLT HOLE FITTING

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 2082

Order Code
Description 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

CAS 3080
**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

---

### Order Code

<table>
<thead>
<tr>
<th>Description</th>
<th>SW</th>
<th>d</th>
<th>D</th>
<th>L1</th>
<th>L2</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen Key For Hex Socket Head Cap Screws, size 5 mm</td>
<td>5</td>
<td>6</td>
<td>7.5</td>
<td>160</td>
<td>35</td>
<td>EQC10016</td>
<td>0.040 kg</td>
</tr>
<tr>
<td>Allen Key For Hex Socket Head Cap Screws, size 6 mm</td>
<td>6</td>
<td>7</td>
<td>8.5</td>
<td>180</td>
<td>40</td>
<td>EQC10017</td>
<td>0.060 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm
**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)

**Technical Data**

Material: high-quality, tool steel

**Order Code**

<table>
<thead>
<tr>
<th>Description</th>
<th>SW</th>
<th>D</th>
<th>Order Code</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; Hex Bit With Ball End, 5 x 160 mm</td>
<td>5</td>
<td>6</td>
<td>EQC10051</td>
<td>0.040 kg</td>
</tr>
<tr>
<td>1/4&quot; Hex Bit With Ball End, 6 x 160 mm</td>
<td>6</td>
<td>6.7</td>
<td>EQC10052</td>
<td>0.060 kg</td>
</tr>
</tbody>
</table>

Drawing dimensions in mm