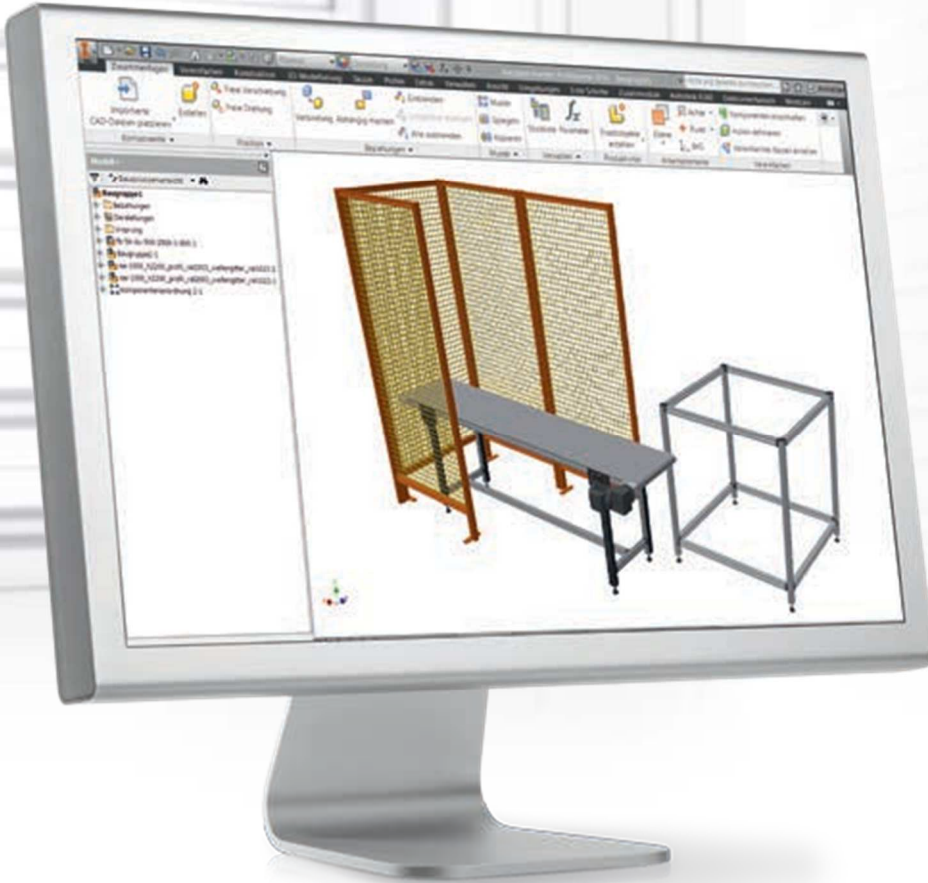


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## 1. Construction kit

Profiles	1.05
Connection technique	1.09
Accessories	1.31
Technical information	1.50



## 2. Conveyor technology

Conveyor technology	2.02
Accessories	2.16



## 3. Workstation

Work table	3.02
Workstation	3.04
Accessoires	3.05



## 4. Safety fences

Aluminum profile	4.02
Steel profile	4.05
Accessoires	4.08
Technical information	4.15



## 5. Linear technology

Linear units	5.02
Accessoires	5.06



## 6. BÖMA-Lift

Lift	6.02
Accessoires	6.04

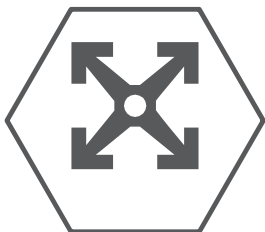
# Index

<b>20x40</b> Aluminum profile 20x40	1.05	<b>AP-40/50</b> Cover profile Aluminum-40/50	1.35
<b>40x40</b> Aluminum profile 40x40	1.05	<b>Workplace</b> Böma individual design	3.04
<b>40x40-K</b> Curved profile 40x40-K	1.06	<b>Work table electrically Height adjustable</b> Böma standard design	3.02
<b>40x40-S</b> Steel profile 40x40-S	1.06	<b>Work table</b> Böma standard design	3.03
<b>40x80</b> Aluminum profile 40x80	1.05	<b>AV-20x40</b> Inline connector-20x40	1.11
<b>50x50</b> Aluminum profile 50x50	1.07	<b>AV-40</b> Inline connector -40	1.10
<b>50x100</b> Aluminum profile 50x100	1.07	<b>AV-40-K</b> Inline connector-40 for curved profile 40x40-K	1.12
<b>50x200</b> Aluminum profile 50x200	1.08	<b>AV-50</b> Inline connector-50	1.16
<b>80x80</b> Aluminum profile 80x80	1.06	<b>BA-XX-Y</b> tape query	2.17
<b>100x100</b> Aluminum profile 100x100	1.08	<b>BBS-40</b> floor mounting screw	4.14
<b>Accessoires</b> Brackets	2.17	<b>Cup holder</b>	3.07
<b>AD-100</b> Cover-100 for LRS-50 single	5.06	<b>BG-40/50</b> iron handle-40/50	1.45
<b>AD-200</b> Cover-200 for LRS-50 double	5.06	<b>Monitor Mount Vesa 75-100</b>	3.06
<b>AK-20</b> Endcap-20 for profile 20x40	1.32	<b>BL-350</b> Pair of BÖMA lifts with synchronous control, Lifting Height: 350 mm	6.02
<b>AK-40</b> Endcap-40 for profile 40x40	1.31	<b>BL-350-E</b> BÖMA lift single without control, Lifting Height: 350 mm	6.03
<b>AK-40-A-G</b> Endcap-40-aluminum	1.31	<b>BL-APO</b> BÖMA-Lift Connection plate top	6.04
<b>AK-40-K</b> Arched Endcap-40 for V-40-K	1.33	<b>BL-APU</b> BÖMA-Lift Connection plate bottom	6.04
<b>AK-40-KF</b> Flat Endcap-40 for curved profile 40x40-K	1.33	<b>BL-HAT</b> BÖMA-Lift Manual pushbutton	6.04
<b>AK-40-S</b> Endcap-40 for steel profile	1.32	<b>BL-LCE</b> BÖMA-Lift-Logic-Compact-Eco	6.05
<b>AK-50</b> Endcap-50 for profile 50x50	1.34	<b>BL-MT</b> BÖMA-Lift Operation with memory function	6.05
<b>AK-80</b> Endcap-80 for profile 40x80 and 80x80	1.34	<b>BL-VS-X</b> Connecting strut	6.05
<b>AK-100</b> Endcap-100 for profile 50x100 and 100x100	1.35	<b>BÖMA Light</b>	3.05

<b>BOV-40/50</b> Floor lock-40/50_____	1.28 / 4.08	<b>FBE-40</b> Conveyor belt Eco-40_____	2.02
<b>BR-80-P-PO-white</b> Fixed castor with plate_____	1.26	<b>FBE-80</b> Conveyor belt Eco-80_____	2.03
<b>BR-X-P</b> Fixed castor with plate_____	1.25	<b>Spring balancer</b> For tools_____	3.06
<b>BS-40</b> Drilling template-40_____	1.49	<b>FL-40/50</b> Guide rail-40/50_____	1.41
<b>BV-Mx</b> Drill connector_____	1.14	<b>FU-370-G</b> Frequency converter for 370 Watt_____	2.16
<b>BWA-40/50</b> Steel floor angle-40/50_____	1.27 / 4.08	<b>FW-15</b> Guide shaft-15 mm for linear axes with steel rollers_____	5.07
<b>BWT-40/50</b> Floor angle T-profile-40/50 steel_____	1.27	<b>G-40</b> Elbow connector-40_____	1.20
<b>BWT-40/50-ISE</b> Floor angle T-profile-40/50 steel_____	4.09	<b>GE-40-S</b> Thread insert-40 for steel groove profile_____	1.48
<b>DFL-40/50</b> Double Guide rail-40/50_____	1.41	<b>GH-40/50</b> Mesh holder-40/50_____	1.38 / 4.10
<b>ED-Mx</b> T-nut inserter_____	1.49	<b>Tote Holder</b> _____	3.06
<b>ESD KIT</b> _____	3.06	<b>HV-40-400</b> Height adjustment-40-400 mm_____	2.18
<b>FB-50-DM</b> Conveyor belt 50 with direct drive and knife edge_____	2.05	<b>IH-50</b> Initiator holder-50 mm for linear axes_____	5.08
<b>FB-50-DU</b> Conveyor belt 50 with direct drive_____	2.04	<b>I-M12x1</b> Initiator for linear axes-M12x1_____	5.07
<b>FB-50-KM</b> Conveyor belt 50 with head drive and knife edge_____	2.07	<b>ISBT-2000</b> Steel sliding door_____	4.06
<b>FB-50-KU</b> Conveyor belt 50 with head drive_____	2.06	<b>ISE-X</b> Steel protective fence element_____	4.05
<b>FB-50-MMM</b> Conveyor belt 50 with center drive and two knife edges_____	2.09	<b>ISWT-1000</b> Steel swing door_____	4.07
<b>FB-50-MUU</b> Conveyor belt 50 with center drive_____	2.08	<b>KBH-40/50</b> Cable tie holder-40/50_____	1.46
<b>FB-80-DU</b> Conveyor belt 80 with direct drive_____	2.10	<b>KGS-40</b> Ball snapper-40_____	1.43
<b>FB-80-KU</b> Conveyor belt 80 with head drive_____	2.11	<b>KNB-40/50-X</b> Gusset plate_____	1.29
<b>FB-80-TU</b> Conveyor belt 80 with drum motor drive_____	2.12	<b>KNBD-40/50-X</b> Gusset plate for T-joints_____	1.30
		<b>KP-40/50</b> Plastic cover profile-40/50_____	1.36

<b>KP-40-S</b> Plastic cover profile-40 for steel groove profile 40x40-S_____	1.36	<b>NM-Mx</b> T-nut_____	1.21
<b>LAP-50</b> Linear axis 50x100 with profile rollers made of plastic_____	5.03	<b>PC-x</b> Polycarbonate pane_____	1.37
<b>LAP-100</b> Linear axis 100x100 with profile rollers made of plastic_____	5.05	<b>Pneumatic supply unit</b> _____	3.07
<b>LAS-50</b> Linear axis 50x100 with steel rollers_____	5.02	<b>PTS-40/50</b> Panic lever lock -40/50_____	4.11
<b>LAS-100</b> Linear axis 100x100 with steel rollers_____	5.04	<b>RV-40</b> Frame connector -40_____	1.13
<b>LB-40</b> Bearing block-40_____	1.19	<b>SBT-2000</b> Aluminum sliding door in Mesh Width 2000 mm_____	4.03
<b>Louvre Panel</b> _____	3.05	<b>SBT-Z</b> Standard sliding door centering_____	1.40
<b>LR-80-B-PO-white</b> Swivel castors with drilling_____	1.26	<b>SBTF</b> Sliding door guide_____	1.39
<b>LR-80-P-PO-white</b> Swivel castors with plate_____	1.26	<b>SBTS</b> Sliding door components_____	1.39
<b>LR-X-B</b> Swivel castors with drilling_____	1.25	<b>Drawer base cabinets</b> _____	3.07
<b>LR-X-P</b> Swivel castors with plate_____	1.25	<b>SE-X</b> Aluminum protective fence element_____	4.02
<b>LRP-50-E</b> Fixed castors for LAP-50/100 with plastic roller/eccentric_____	5.09	<b>Side guides</b> _____	2.18
<b>LRP-50-Z</b> Fixed castors for LA-50/100 with plastic roller/ centric_____	5.10	<b>SF-X</b> Levelling foot_____	1.23
<b>LRS-50-E</b> Fixed castors for LAS-50/100 with steel guide/eccentric_____	5.08	<b>SFP-XxY-M20</b> Base plate with M20 thread_____	1.24
<b>LRS-50-Z</b> Fixed castors for LAS-50/100 with steel guide/centric_____	5.09	<b>SFP-XxY-Z</b> Base plate with centering_____	1.24
<b>MFP-50-040</b> Motor flange plate for ULK-50 and gear motor 040_____	5.10	<b>SH-16</b> Safety switch_____	1.44
<b>MH-40/50</b> Magnetic catch-40/50 for slices_____	1.45	<b>Display board holder</b> _____	3.05
<b>MKFG-80</b> Module chain conveyor-straight-80_____	2.14	<b>SK-50-20</b> Clamping coupling for ULK-50 - 20 mm_____	5.11
<b>MKFK-80</b> Module chain conveyor curve-80_____	2.15	<b>SL-40</b> Sliding bar-40 for discs_____	1.40
		<b>SLA-12</b> Heavy duty anchor M12-50 mm_____	4.14
		<b>SM-Mx</b> Sliding T-nut_____	1.21
		<b>SMS</b> Sliding T-nut bar_____	1.22

<b>SV-40/50</b> Butt joint-40/50_____	1.22	<b>W-40/50</b> Gusset-40/50_____	1.17
<b>SWP-40/50</b> Swivel plate for conveyor-40/50_____	2.19	<b>W-100</b> Gusset-100_____	1.18
<b>SWT-X</b> Aluminum swing door_____	4.04	<b>W-100-F</b> Gusset-100 one side flat_____	1.18
<b>TS-40/50</b> Hinge-40/50_____	1.42	<b>WG-40</b> Woven mesh-40mm_____	1.38 / 4.10
<b>TS-40-K</b> Hinge-40 for curved profile_____	1.42	<b>WPP-50</b> Trolley for LAP-50_____	5.13
<b>TV-40/50</b> Slam latch-40/50_____	1.43	<b>WPP-100</b> Trolley for LAP-100_____	5.13
<b>UF-40/50</b> Unifix-40/50_____	1.37	<b>WPS-50</b> Trolley for LAS-50_____	5.14
<b>ULK-50</b> Deflection head for LA-50/100_____	5.12	<b>WPS-100</b> Trolley for LAS-100_____	5.14
<b>Under table PC mount</b> with shifting unit_____	3.05	<b>ZRS-50</b> Toothed belt tensioner-50 for linear axes_____	5.11
<b>V-20x40</b> Corner connector-20x40_____	1.11	<b>ZR-T10-32</b> Toothed belt -T10-32 mm_____	5.15
<b>V-40</b> Connector-40_____	1.09	<b>ZRF-XP</b> Toothed belt conveyor with XP profile_____	2.13
<b>V-40-K</b> Corner connector-40 for curved profile 40x40-K_____	1.12		
<b>V-40-S</b> Connector-40 for steel groove profile_____	1.48 / 4.11		
<b>V-50</b> Connector-50_____	1.15		
<b>V-50-LA</b> Connector-50 mm for linear axis_____	5.12		
<b>VL-40</b> Connector-40-light_____	1.13		
<b>VP-40</b> Connection plate-40_____	1.47 / 4.12		
<b>VP-40 UV-D</b> Connecting plate-40 captive with double quick fixation_____	1.47 / 4.13		
<b>VP-40 UV-E</b> Connecting plate-40 captive with easy quick fixation_____	1.47 / 4.13		
<b>VT-40/50</b> Fine adjuster-40/50_____	1.46		
<b>W-35/25</b> Gusset-35/25_____	1.19		



# Construction kit

From Profile Frames to Special Machines.



## Profiles

<b>20x40</b>	
Aluminum profile 20x40	1.05
<b>40x40</b>	
Aluminum profile 40x40	1.05
<b>40x40-K</b>	
Curve profile 40x40-K	1.06
<b>40x40-S</b>	
Steel groove profile 40x40-S	1.06
<b>40x80</b>	
Aluminum profile 40x80	1.05

<b>50x50</b>	
Aluminum profile 50x50	1.07
<b>50x100</b>	
Aluminum profile 50x100	1.07
<b>50x200</b>	
Aluminum profile 50x200	1.08
<b>80x80</b>	
Aluminum profile 80x80	1.06
<b>100x100</b>	
Aluminum profile 100x100	1.08

## Connection technology

<b>AV-20x40</b>	
Inline connector-20x40	1.11
<b>AV-40</b>	
Inline connector-40	1.10
<b>AV-40-K</b>	
Inline connector-40 for curve profile 40x40-K	1.12
<b>AV-50</b>	
Inline connector-50	1.16
<b>BOV-40/50</b>	
Floor lock-40/50	1.28
<b>BR-80-P-PO-white</b>	
Fixed castor with plate	1.26
<b>BR-X-P</b>	
Fixed castor with plate	1.25
<b>BV-Mx</b>	
Drill connector	1.14
<b>BWA-40/50</b>	
Steel floor angle-40/50	1.27
<b>BWT-40/50</b>	
Steel floor angle T-profile-40/50	1.27
<b>G-40</b>	
Joint-40	1.20
<b>KNB-40/50-X</b>	
Gusset plate	1.29
<b>KNBD-40/50-X</b>	
Gusset plate for T-connections	1.30
<b>LB-40</b>	
Bearing block-40	1.19
<b>LR-80-B-PO-white</b>	
Swivel castor with hole	1.26
<b>LR-80-P-PO-white</b>	
Swivel castor with plate	1.26
<b>LR-X-B</b>	
Swivel castor with hole	1.25
<b>LR-X-P</b>	
Swivel castor with plate	1.25

<b>NM-Mx</b>	
T-nut	1.21
<b>RV-40</b>	
Frame connector-40	1.13
<b>SF-X</b>	
Levelling foot	1.23
<b>SFP-XxY-M20</b>	
Base plate with M20-thread	1.24
<b>SFP-XxY-Z</b>	
Base plate with centering	1.24
<b>SM-Mx</b>	
Sliding T-nut	1.21
<b>SMS</b>	
Sliding T-nut bar	1.22
<b>SV-40/50</b>	
Butt joint-40/50	1.22
<b>V-20x40</b>	
Corner connector-20x40	1.11
<b>V-40</b>	
Connector-40	1.09
<b>V-40-K</b>	
Corner connector-40 for curve profile 40x40-K	1.12
<b>V-50</b>	
Connector-50	1.15
<b>VL-40</b>	
Connector-40-light	1.13
<b>W-100</b>	
Gusset-100	1.18
<b>W-100-F</b>	
Gusset-100 one side flat	1.18
<b>W-35/25</b>	
Gusset-35/25	1.19
<b>W-40/50</b>	
Gusset-40/50	1.17

## Accessories

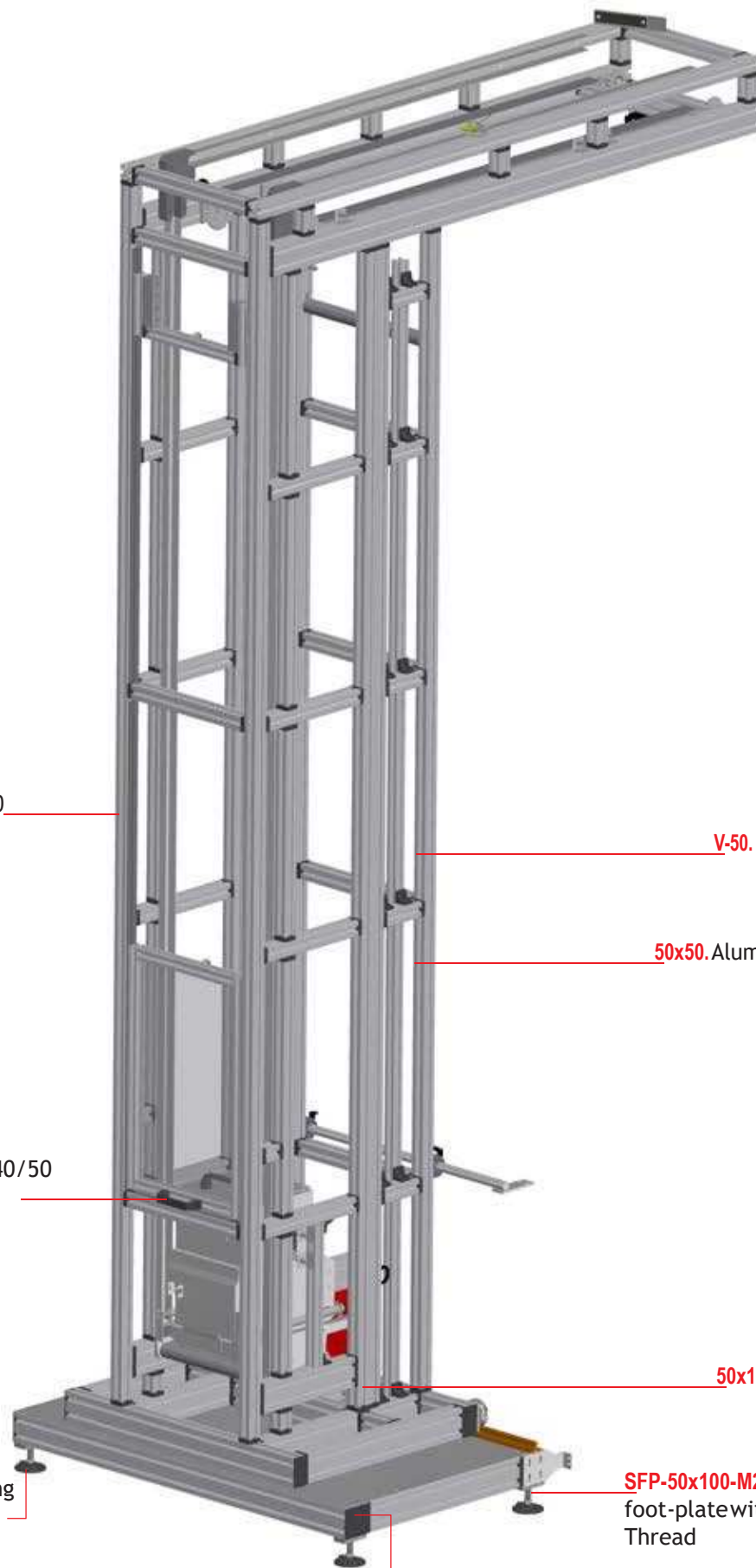
<b>AK-20</b>	End cap-20 for profile 20x40	1.32
<b>AK-40</b>	End cap-40 for profile 40x40	1.31
<b>AK-40-A-G</b>	End cap-40-aluminum	1.31
<b>AK-40-K</b>	arched end cap-40 for V-40-K	1.33
<b>AK-40-KF</b>	flat end cap-40 for curve profile 40x40-K	1.33
<b>AK-40-S</b>	End cap-40 for steel groove profile	1.32
<b>AK-50</b>	End cap-50 for profile 50x50	1.34
<b>AK-80</b>	End cap-80 for profile 40x80 and 80x80	1.34
<b>AK-100</b>	End cap-100 for profile 50x100 and 100x100	1.35
<b>AP-40/50</b>	Cover profile aluminum-40/50	1.35
<b>BG-40/50</b>	Grip handle-40/50	1.45
<b>BS-40</b>	Drilling template-40	1.49
<b>DFL-40/50</b>	Double guide rail-40/50	1.41
<b>ED-Mx</b>	T-nut inserter	1.49
<b>FL-40/50</b>	Guide Rail-40/50	1.41
<b>GE-40-S</b>	Thread insert-40 for steel groove profile	1.48
<b>GH-40/50</b>	Mesh holder-40/50	1.38
<b>KBH-40/50</b>	Cable tie holder-40/50	1.46
<b>KGS-40</b>	Ball snapper-40	1.43
<b>KP-40/50</b>	Plastic cover profile-40/50	1.36

<b>KP-40-S</b>	Plastic cover profile-40 for steel groove profile 40x40-S	1.36
<b>MH-40/50</b>	Magnetic catch-40/50 for slices	1.45
<b>PC-x</b>	Polycarbonate pane	1.37
<b>SBT-Z</b>	Standard sliding door centering	1.40
<b>SBTF</b>	Sliding door guide	1.39
<b>SBTS</b>	Sliding door components	1.39
<b>SH-16</b>	Safety switch	1.44
<b>SL-40</b>	Sliding bar-40 for discs	1.40
<b>TS-40/50</b>	Hinge-40/50	1.42
<b>TS-40-K</b>	Hinge-40 for curve profile	1.42
<b>TV-40/50</b>	Slam latch-40/50	1.43
<b>UF-40/50</b>	Unifix-40/50	1.37
<b>V-40-S</b>	Connector-40 for steel groove profile	1.48
<b>VP-40</b>	Connection plate-40	1.47
<b>VP-40 UV-D</b>	Connection plate-40 captive with double quick fixation	1.47
<b>VP-40 UV-E</b>	Connection plate-40 captive with easy quick fixation	1.47
<b>VT-40/50</b>	Fine adjuster-40/50	1.46
<b>WG-40</b>	Woven mesh-40mm	1.38

## Technical information

<b>Technical information</b>	Load and tolerances for aluminum profile	1.50
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# Orientation guide



**FL-40/50.** Guide rail-40/50

**V-50.** Connector-50

**50x50.** Aluminum profile  
50x50

**BG-40/50.** Grip handle-40/50

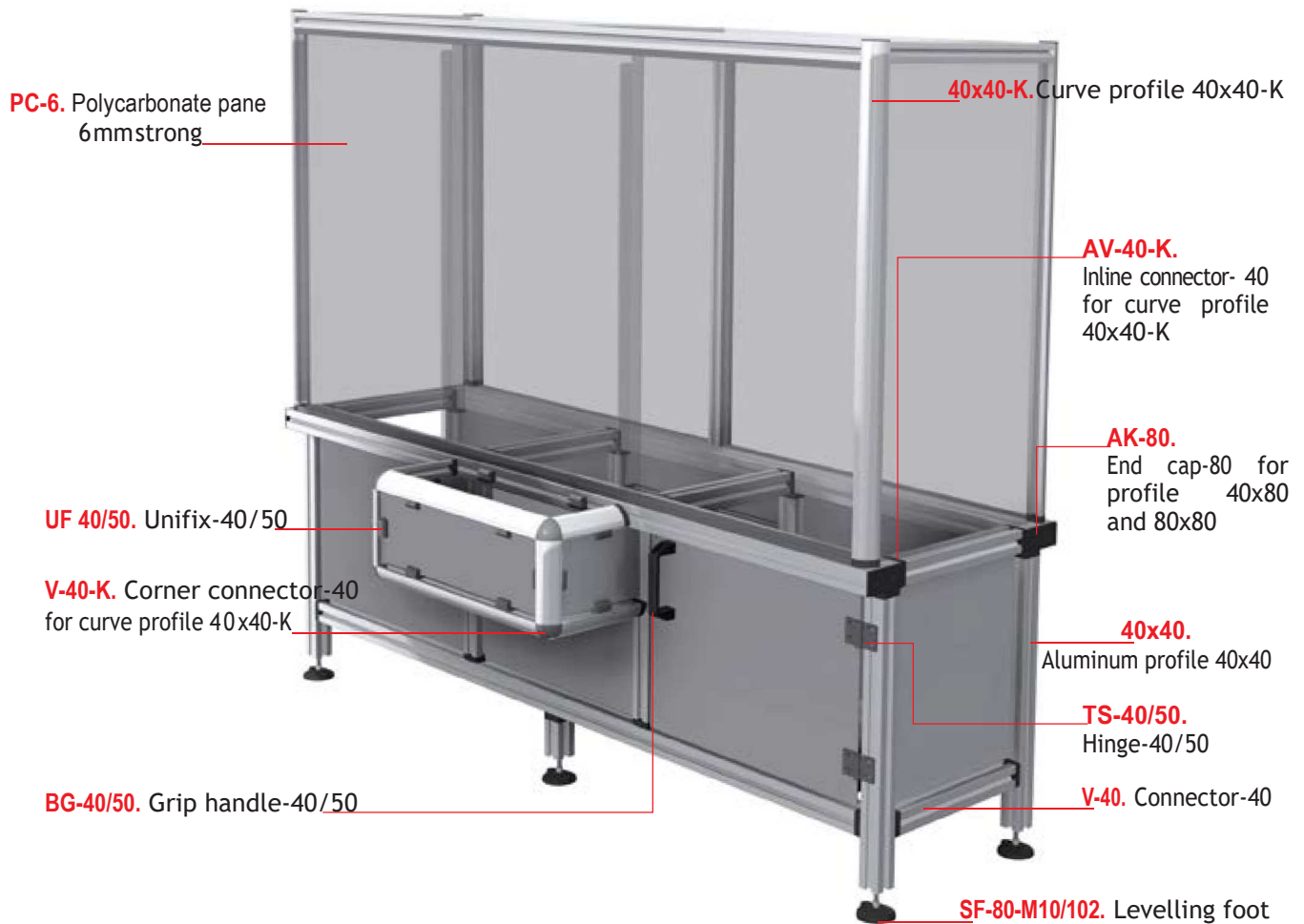
**50x100.** Aluminum  
profile  
50x100

**SF-100-M20/160.** Levelling  
foot

**SFP-50x100-M20.** Levelling  
foot-plate with M20-  
Thread

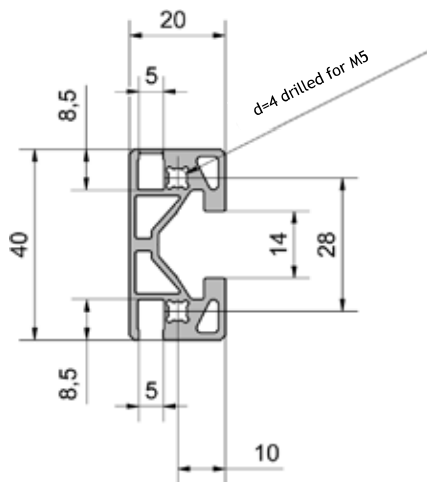
**AK-80.** End cap-80 for  
profile 40x80 and 80x80

# Orientation guide



## 20x40

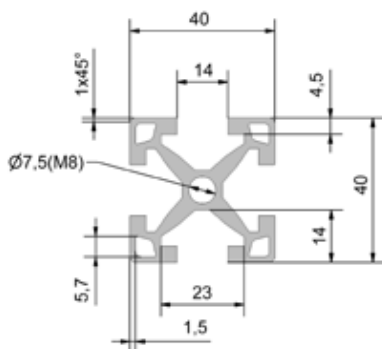
Aluminum profile 20x40



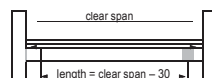
<b>Application</b>	Beam profiles for side guides; Frame profiles for slicing elements with 5 mm material thickness
<b>Thread</b>	The core drill holes are for M5 threaded holes.
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	0,84 kg/m
<b><math>W_x / W_y</math></b>	1/3 cm <sup>3</sup>
<b><math>I_x / I_y</math></b>	1/5 cm <sup>4</sup>
<b>Code</b>	20x40- [length in mm]
<b>Note</b>	Slices size = clear Width + 16 mm

## 40x40

Aluminum profile 40x40



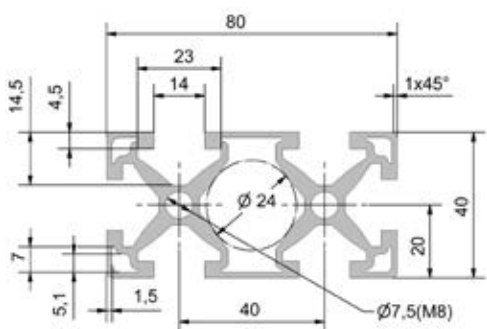
<b>Thread</b>	Threads (M8x25) are formed on both sides of blanks
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	1,54 kg/m
<b><math>W_x = W_y</math></b>	4,4 cm <sup>3</sup>
<b><math>I_x = I_y</math></b>	8,8 cm <sup>4</sup>
<b>Code</b>	40x40- [length in mm] 40x40- [length in mm]- SF*



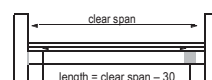
\*(both sides with M8x40 for levelling foot)

## 40x80

Aluminum profile 40x80

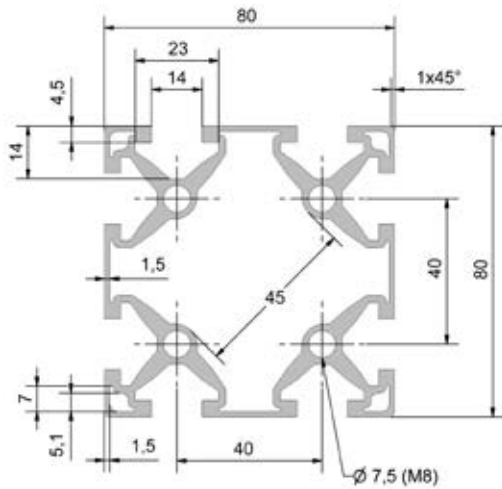


<b>Thread</b>	Threads (M8x25) are formed on both sides of blanks
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	2,58 kg/m
<b><math>W_x / W_y</math></b>	7,3 / 15,2 cm <sup>3</sup>
<b><math>I_x / I_y</math></b>	14,6 / 61,0 cm <sup>4</sup>
<b>Code</b>	40x80- [length in mm]

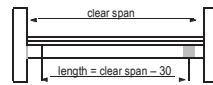


## 80x80

Aluminum profile 80x80

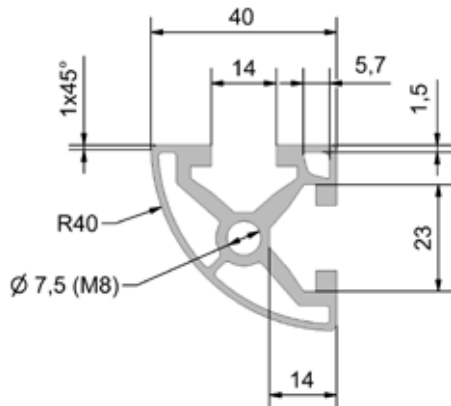


<b>Thread</b>	Threads (M8x25) are formed on both ends of the profile
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	3,86 kg/m
<b><math>W_x = W_y</math></b>	25,8 cm <sup>3</sup>
<b><math>I_x = I_y</math></b>	103 cm <sup>4</sup>
<b>Code</b>	80x80- [length in mm]

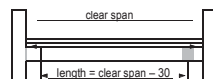


## 40x40-K

Curve profile 40x40-K



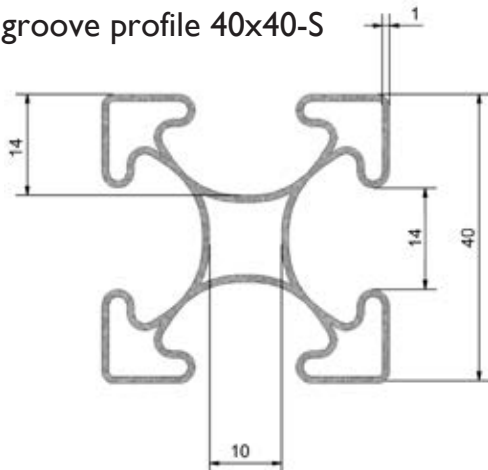
<b>Thread</b>	Threads (M8x20) are formed on both ends of the profile
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	1,29 kg/m
<b><math>W_x = W_y</math></b>	2,77 cm <sup>3</sup>
<b><math>I_x = I_y</math></b>	6,3 cm <sup>4</sup>
<b>Code</b>	40x40-K- [length in mm] 40x40-K- [length in mm]- SF*



\*(both sides with M8x40 for Levelling foot)

## 40x40-S

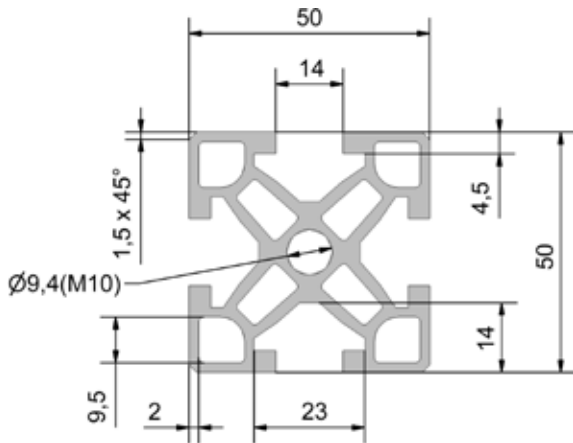
Steel groove profile 40x40-S



<b>Thread</b>	Possible with GE-40-S
<b>Material</b>	Hot-dip galvanized sheet steel; 1 mm strong bar length: 6645 mm
<b>Mass</b>	2,28 kg/m
<b><math>W_x = W_y</math></b>	2,4 cm <sup>3</sup>
<b><math>I_x = I_y</math></b>	4,88 cm <sup>4</sup>
<b>Code</b>	40x40-S- [length in mm]

## 50x50

Aluminum profile 50x50



**Thread** Threads (M10x30) are formed on both ends of the profile

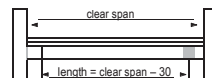
**Material** Aluminum F25; natural anodized rod 6000 mm (usable length)

**Mass** 2,30 kg/m

**$W_x = W_y$**  7,8 cm<sup>3</sup>

**$I_x = I_y$**  19,5 cm<sup>4</sup>

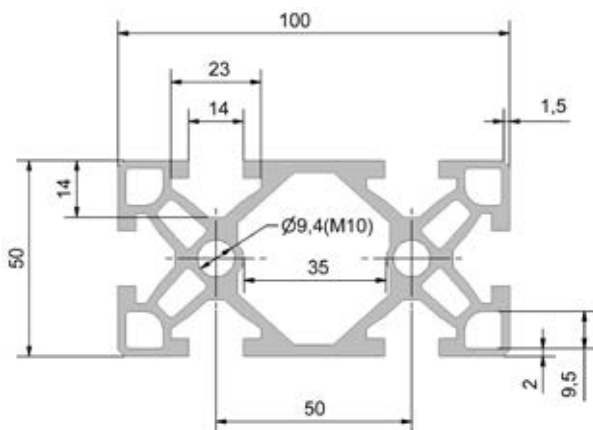
**Code** 50x50- [length in mm]  
50x50- [length in mm]-SF\*



\*(both sides with M10x60 for Levelling foot)

## 50x100

Aluminum profile 50x100



**Thread** Threads (M10x30) are formed on both ends of the profile

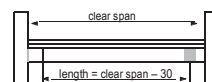
**Material** Aluminum F25; natural anodized rod 6000 mm (usable length)

**Mass** 4,16 kg/m

**$W_x / W_y$**  16,3 / 29,3 cm<sup>3</sup>

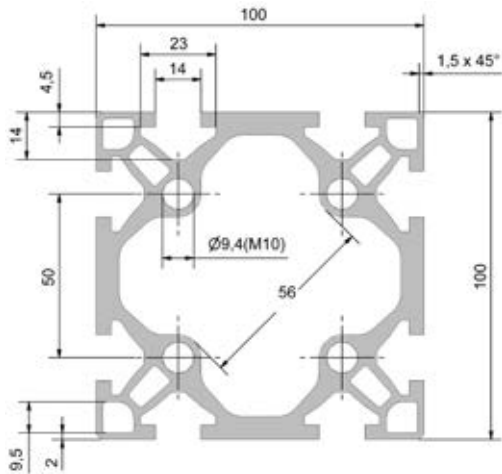
**$I_x / I_y$**  40,8 / 146,3 cm<sup>4</sup>

**Code** 50x100- [length in mm]

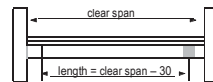


# 100x100

Aluminum profile 100x100

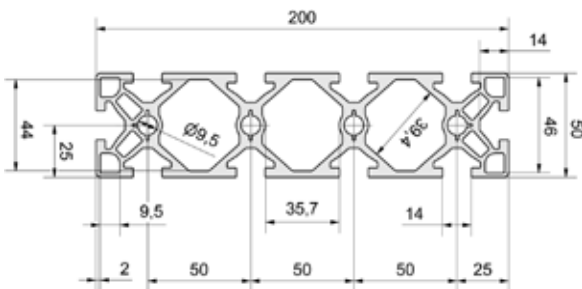


<b>Thread</b>	For blanks on both sides are thread (M10x30) formed
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	7,35 kg/m
<b><math>W_x = W_y</math></b>	61,3 cm <sup>3</sup>
<b><math>I_x = I_y</math></b>	306,2 cm <sup>4</sup>
<b>Code</b>	100x100- [length in mm]

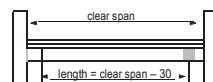


# 50x200

Aluminum profile 50x200



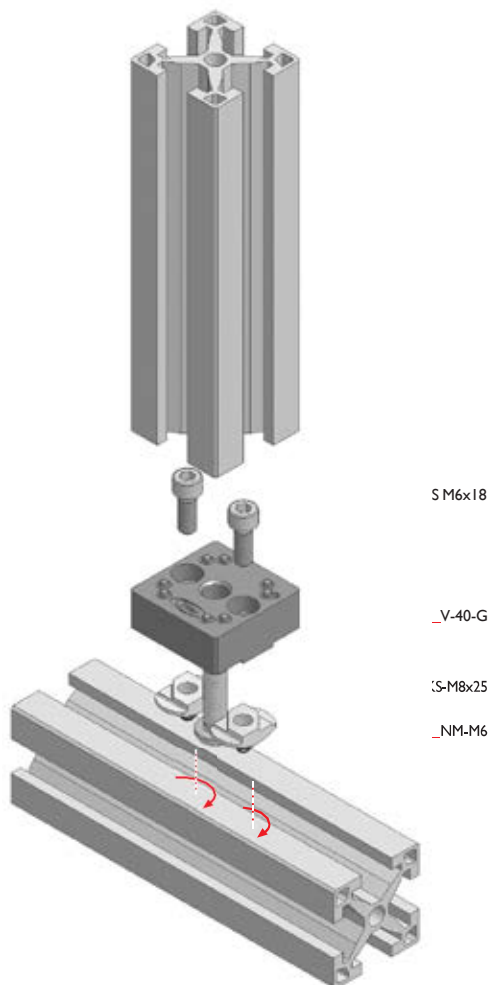
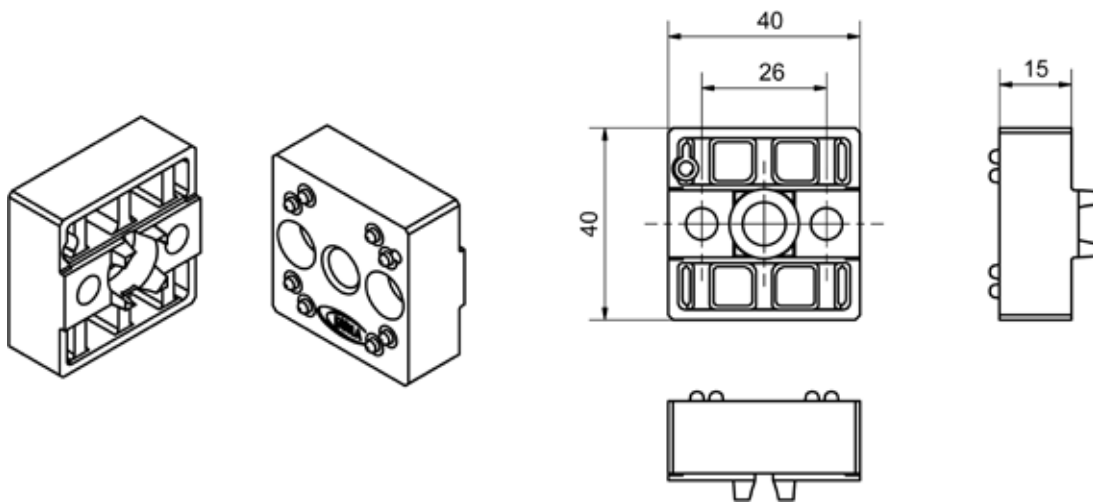
<b>Application</b>	Profiles for massive frame constructions
<b>Thread</b>	Threads (M10x30) are formed on both ends of the profile
<b>Material</b>	Aluminum F25; natural anodized rod 6000 mm (usable length)
<b>Mass</b>	7,88 kg/m
<b><math>W_x / W_y</math></b>	34/101 cm <sup>3</sup>
<b><math>I_x / I_y</math></b>	85/1086 cm <sup>4</sup>
<b>Code</b>	50x200- [length in mm]





# V-40

## Connector-40



S-M6x18

V-40-G

LKS-M8x25

NM-M6

### Application

40x40: 1 pcs. V-40

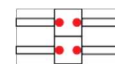
40/40



40/50



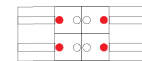
40x80: 2 pcs. V-40



40x80: 2 pcs. V-40-E



80x80: 4 pcs. V-40-E



### Material

Zinc die casting coated

### Set

V-40	V-40-E	Designation
2 ×	1 ×	IBS M6x18
1 ×	1 ×	V-40-G
1 ×	1 ×	LKS M8x25
2 ×	1 ×	NM-M6

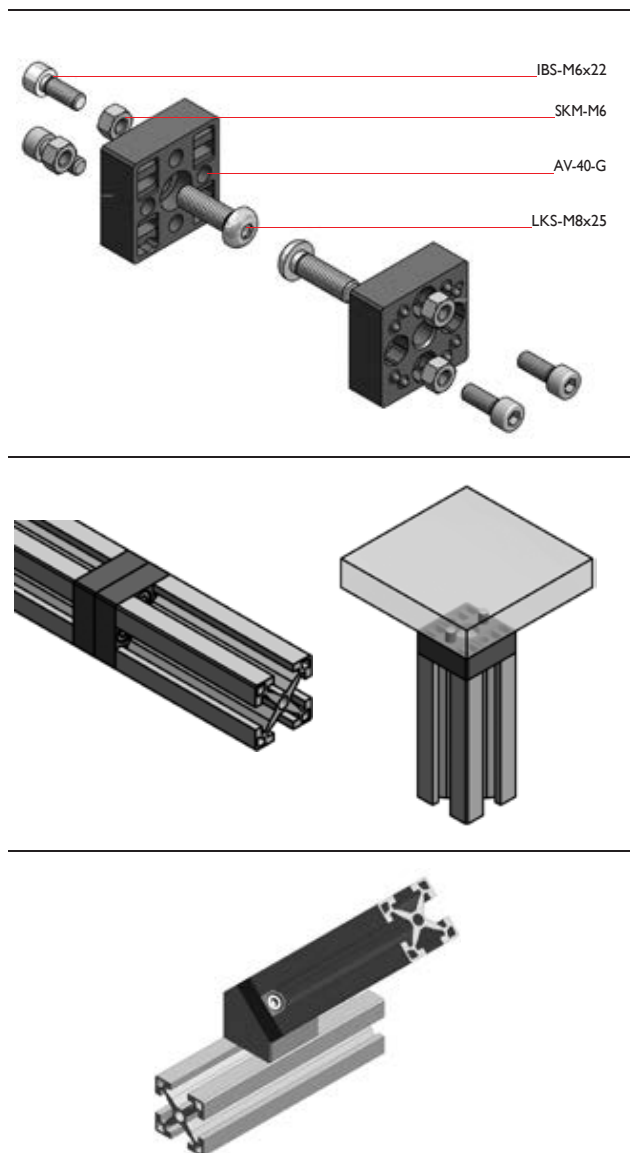
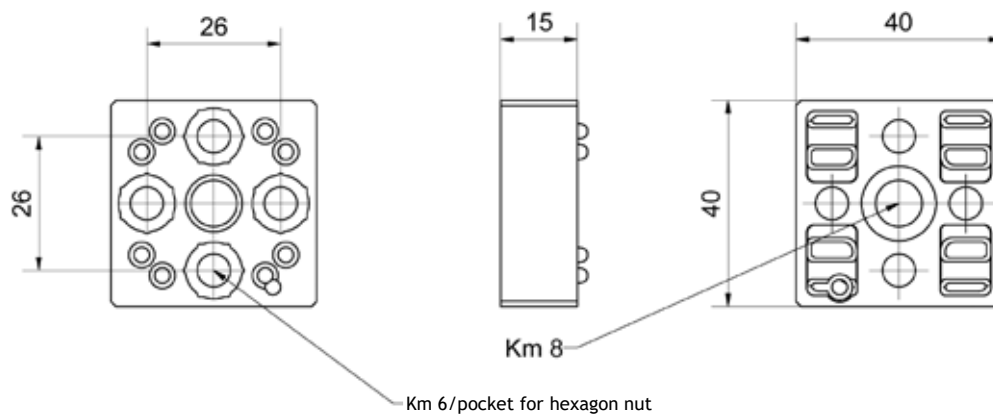
### Code

Code	Weight
V-40	143 g
V-40-E	129 g
V-40-L*	153 g electrically conductive
V-40-LE*	139 g electrically conductive

\* Similar to V-40 and V-40-E, but with additional connecting pin (VS-40/50) made from

# AV-40

## Inline connector-40



### Application

Inline connector for 40×40 profile; for mounting on BÖMA profiles

Butt joint 40×40: 2×AV-40

Butt joint 40×80: 4×AV-40

Butt joint 80×80: 8×AV-40

on flat surface: 1×AV-40

on flat surface: 2×AV-40

on flat surface: 4×AV-40

### Material

Zinc die casting coated

### Code

AV-40

### Weight

125 g

### Set

AV-40

### Designation

1 ×

AV-40-G

1 ×

LKS-M8x25

2 ×

IBS-M6x22

2 ×

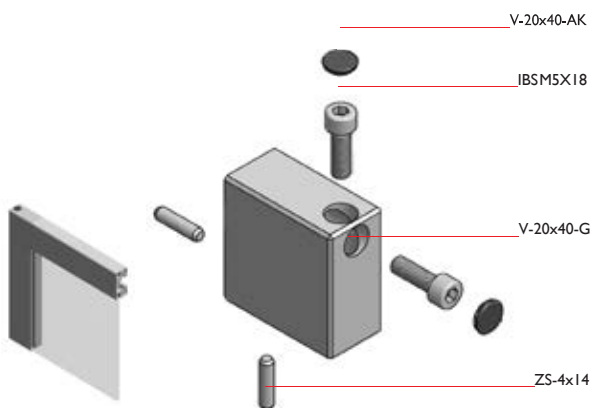
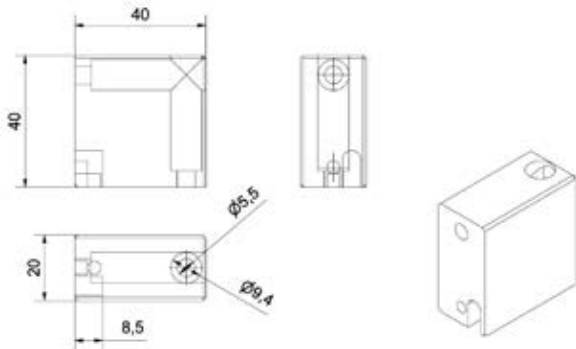
SKM-M6

### Note

Inline connector in different angle set possible on request.

## V-20x40

Corner connector-



### Application

Construction of light doors up to approx. 1000 × 1000 mm; corner connection of 20×40 profiles; in the frame, 5 mm thick surface elements can be installed without reworking; Panel size = opening dimension + 16 mm

### Material

Aluminum natural anodized

### Mass

83 g

### Code

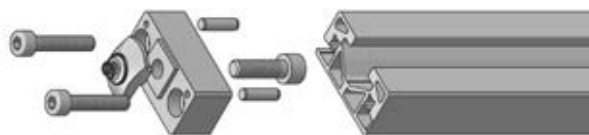
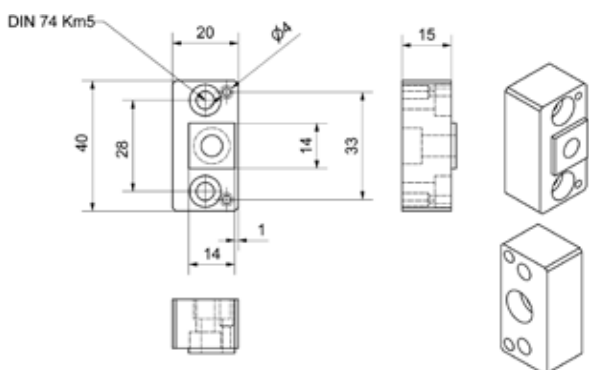
V-20x40

### Set

V-20x40	Designation
1 ×	V-20x40-G
2 ×	IBS-M5x18
2 ×	ZS-4x14
2 ×	V-20x40-AK

## AV-20x40

Inline connector-20x40



### Application

Inline connector for 20x40 profile; for mounting on BÖMA profiles

### Material

Aluminium Natural Anodized

### Mass

53 g

### Code

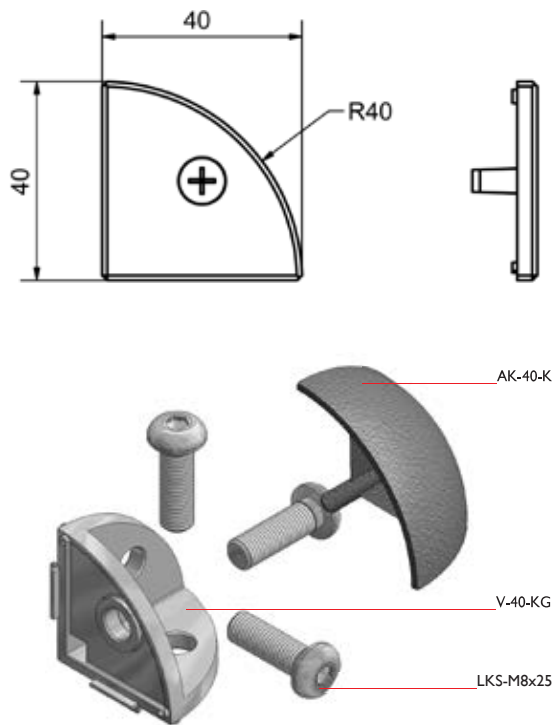
AV-20x40

### Set

AV-20x40	Designation
1 ×	AV-20x40-G
2 ×	IBS-M5x25
1 ×	IBS-M6x20
2 ×	ZS-4x14
1 ×	NM-M6

## V-40-K

Corner connector-40 for curved profiles



### Application

Corner joint connection for three 40x40-K Profiles

### Material

Zinc Die-Cast Plastic  
PA-6 black

### Set

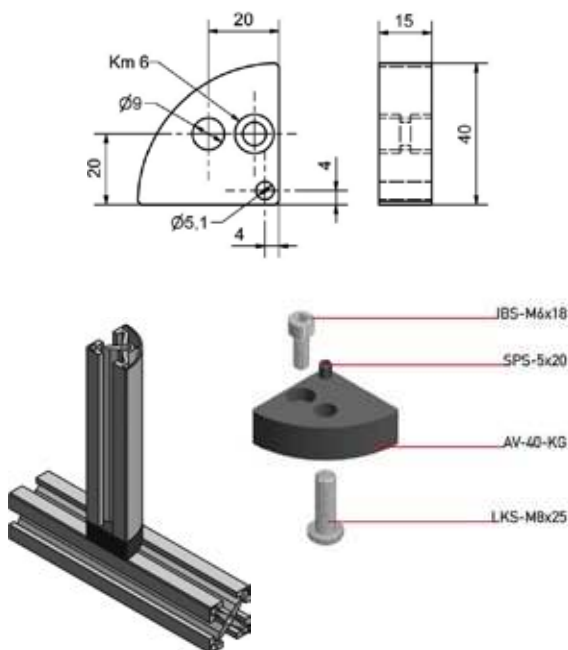
V-40-K	Designation
1 ×	V-40-KG
1 ×	AK-40-K
3 ×	LKS-M8x25

### Code

V-40-K	Weight
V-40-K	109 g

## AV-40-K

Inline connector-40 for Curve profile 40x40-K



### Application

90° connection of 40x40-K Curve profile to grid 40; lower  $\varnothing=9$  for plate attachment

### Material

Aluminum coated

### Set

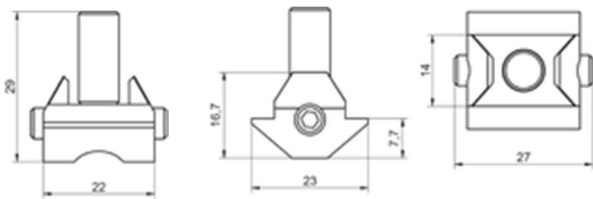
AV-40-K	Designation
1 ×	AV-40-KG
1 ×	LKS-M8x25
1 ×	IBS-M6x18
1 ×	SPS-5x20
1 ×	NM-M6

### Code

AV-40-K	Weight
AV-40-K	72 g

## RV-40

### Frame connector-40



#### Application

Frame connector 40 for the construction of 40 profile frames when using panel elements framed with KP-40/50

#### Material

Galvanized Steel

#### Set

RV-40	Designation
1 ×	RV-40-G
1 ×	RV-40-S
2 ×	GSS-M6x8

#### Code

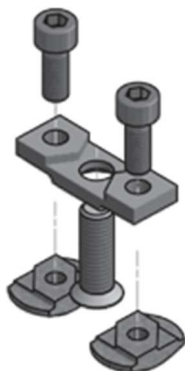
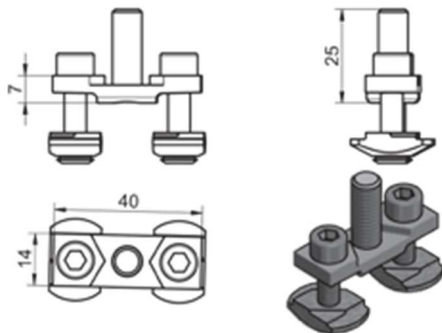
RV-40	Weight
	31 g

#### Note

Not suitable for cantilever connections (only for closed frames); for load details see technical note at the end of this chapter.

## VL-40

### Connector-40-light



#### Application

For vibration-free non-projecting connection under minimum forces, e.g. rack or shelf construction for light to medium-heavy application

#### Material

Galvanized Steel

#### Set

VL-40	Designation
1 ×	VL-40-G
1 ×	VL-40-SKS
2 ×	NM-M6 SPZ01
2 ×	IBS-M6x14

#### Code

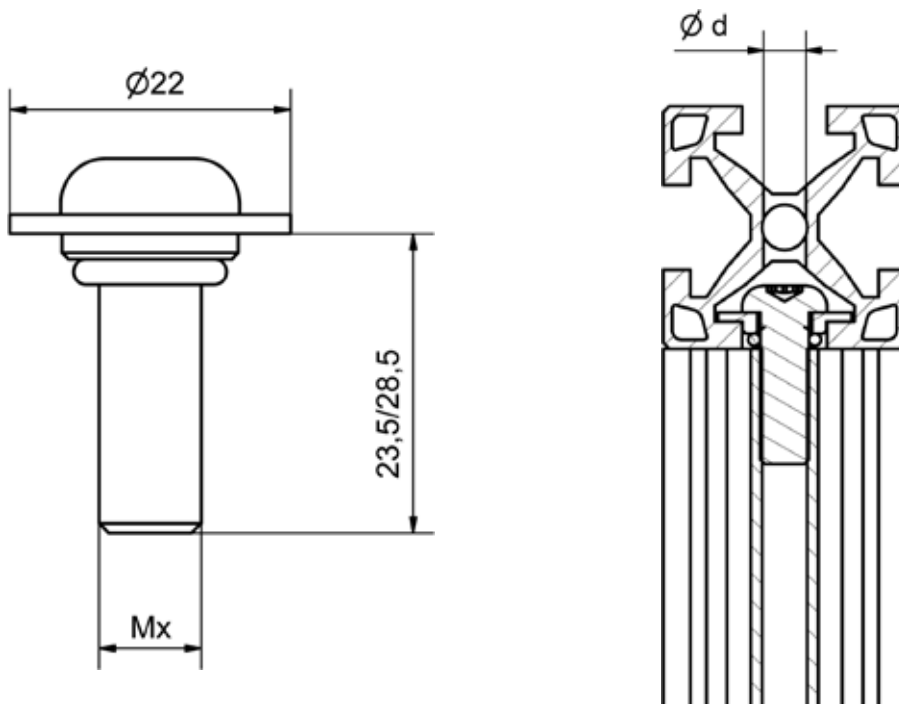
VL-40	Weight
	48 g

#### Note

Not suitable for cantilever connections (only for closed frames); for load details, see technical note at the end of this chapter.

# BV-Mx

Drill connector



### Application

Drill connector for fastening panel elements to 40/50 mm profiles

### Material

Galvanized Steel

### Code

BV-M8  
1 × LKS-M8x25  
1 × O-Ring

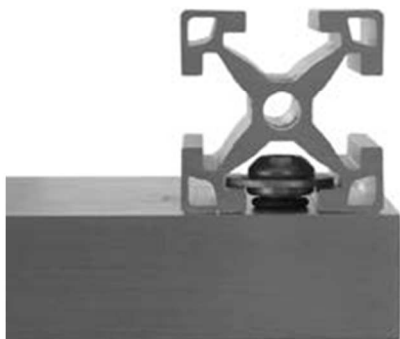
Weight  
16 g

Ø d for Key  
7

BV-M10  
1 × LKS-M10x30  
1 × O-Ring

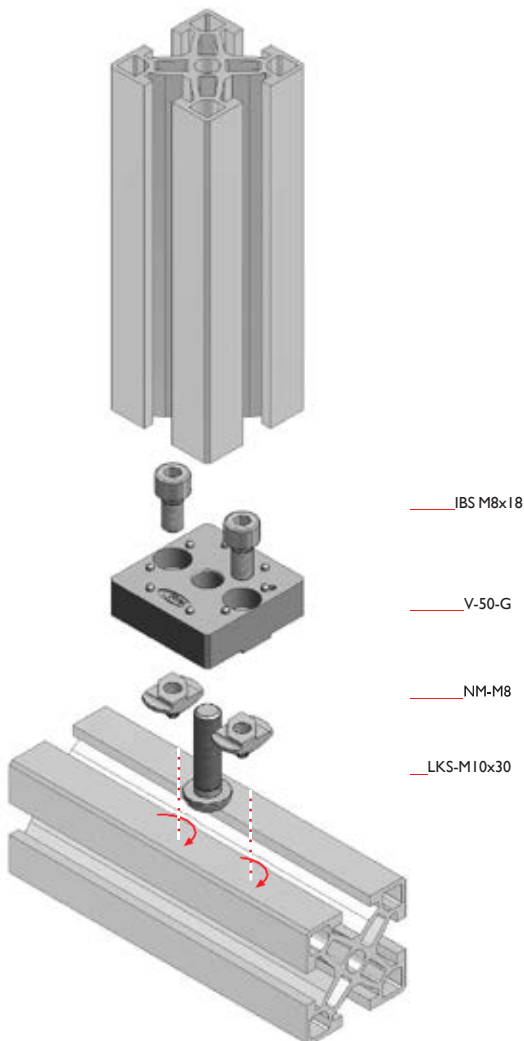
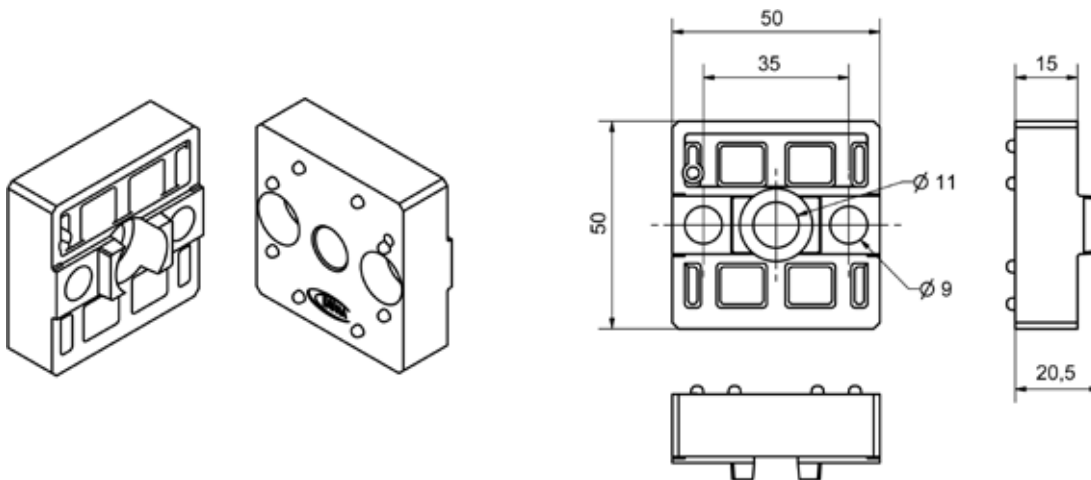
25 g

9



# V-50

## Connector-50



### Application

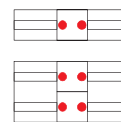
50×50: 1 pcs. V-

50×100: 2 pcs. V-50

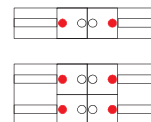
50×100: 2 pcs. V-50-E

100×100: 4 pcs. V-50-E

### V-50



### V-50-E



### Material

Zinc die-casting coated

### Set

V-50	V-50-E	Designation
1 ×	1 ×	V-50-G
2 ×	1 ×	IBS-M8x18
1 ×	1 ×	LKS-M10x30
2 ×	1 ×	NM-M8

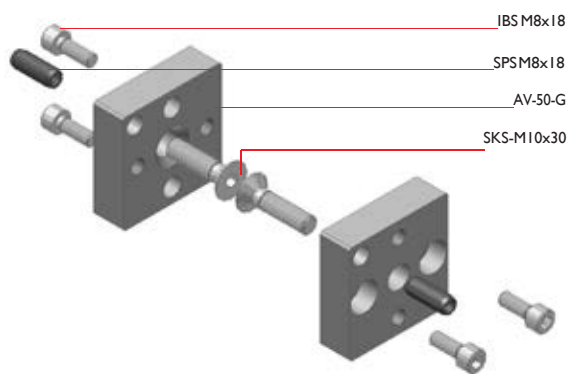
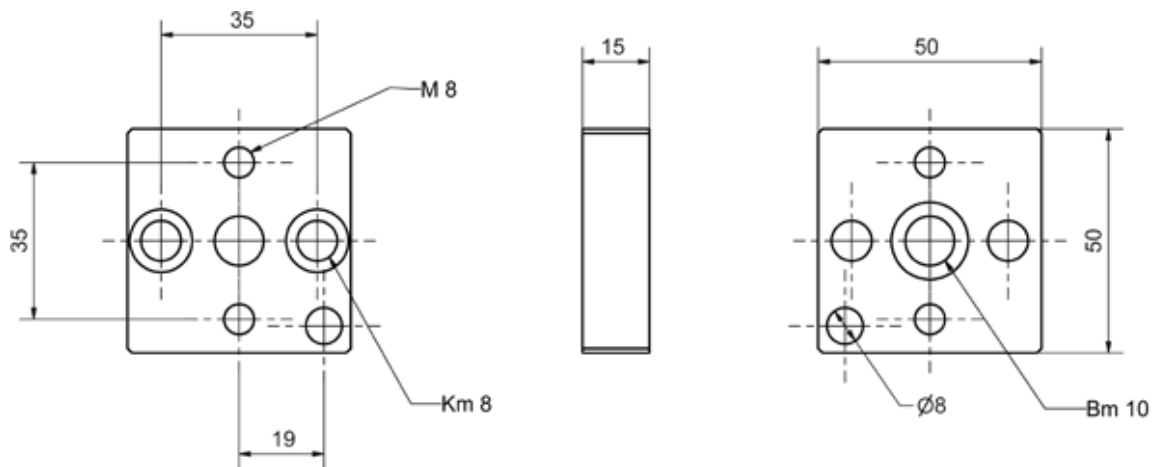
### Code

Code	Weight
V-50	219g
V-50-E	198g
V-50-L*	223g electrically conductive
V-50-LE*	202g electrically conductive

\* like V-50 and V-50-E, but with additional Connecting pin

# AV-50

## Inline connector-50



### Application

Plate connector for 50×50 profile; for mounting on BÖMA-profile

Butt joint 50×50: 2×AV-50

Butt joint 50×100: 4×AV-50

Butt joint 100×100: 8 × AV-50

50×50 on flat surface: 1 × AV-50

50×100 on flat surface: 2 × AV-50

100×100 on flat surface: 4 × AV-50

### Material

Aluminum coated

### Set

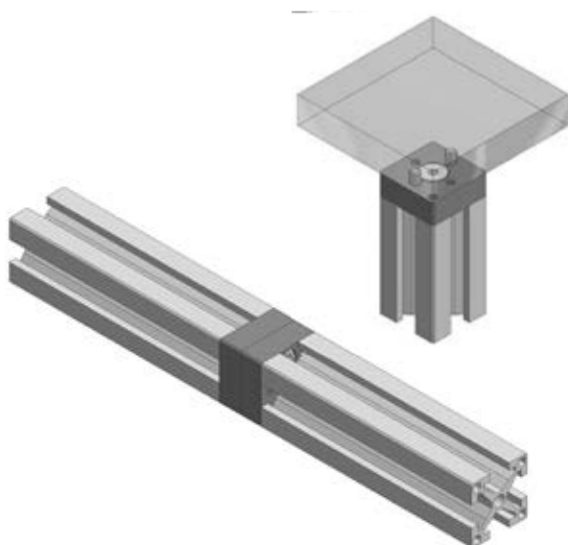
AV-50	Designation
1 ×	AV-50-G
1 ×	SKS-M10x30
2 ×	IBS-M8x18
1 ×	SPS-8x20

### Code

AV-50	Weight
	126 g

### Note

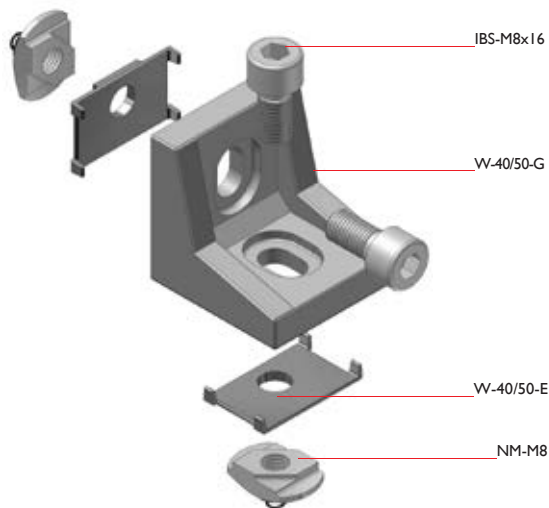
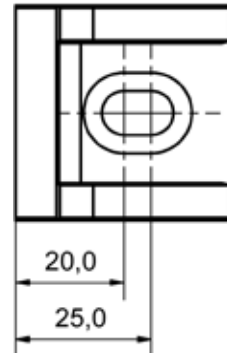
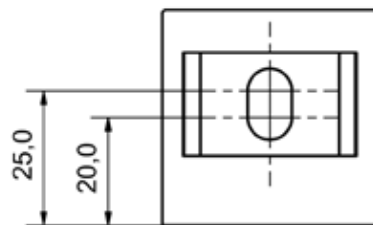
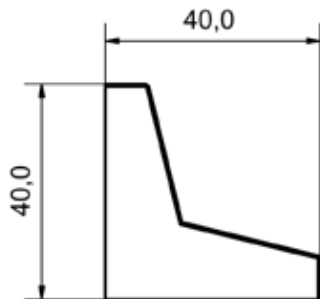
Inline connector in different castings on request





# W-40/50

Gusset-40/50



### Application

90° - cast joints between profiles; fixing of plates and additional elements

### Material

Zinc die casting coated;  
steel investment casting;  
Galvanized Steel

### Set

W-40/50	Designation
1 ×	W-40/50-G
2 ×	W-40/50-E
2 ×	IBS-M8x16
2 ×	NM-M8

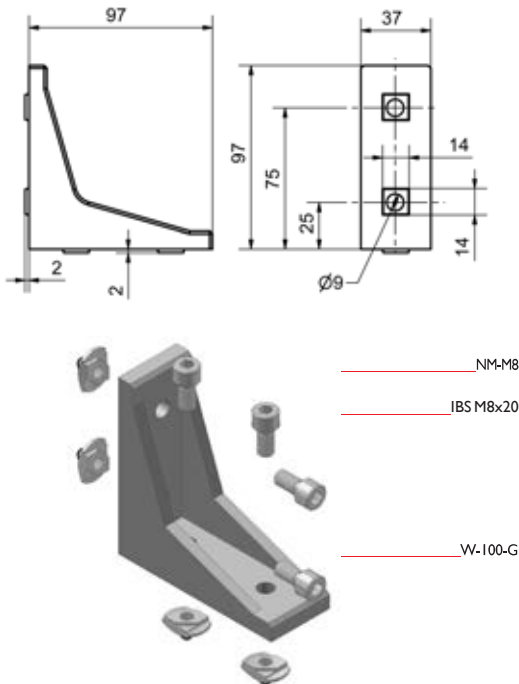
### Code

W-40/50	Weight
	196 g



# W-100

Gusset-100



## Application

Stable 90° connections for profiles;  
transverse mounting only possible with 50 mm grid

## Material

Zinc die-cast coated;  
Galvanized Steel

## Set

W-100	Designation
1 ×	W-100-G
4 ×	IBS-M8x20
4 ×	NM-M8

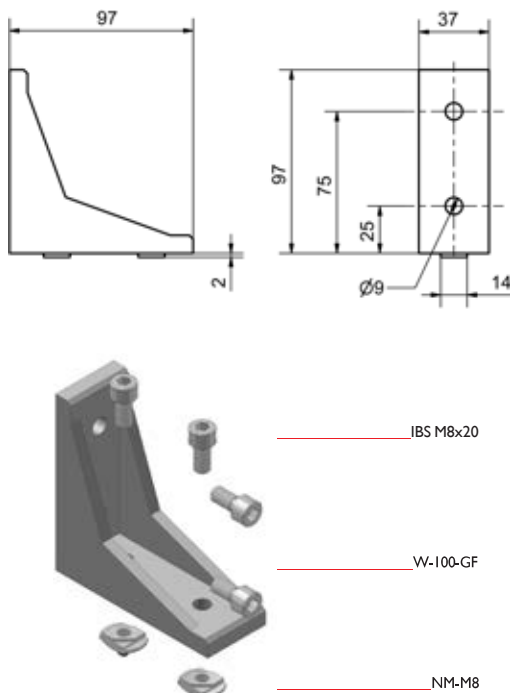
## Code

W-100	Weight
	597 g



# W-100-F

Gusset-100 one side flat



## Application

Stable 90° connections for profiles; mounting of solid panels;  
transverse mounting only possible with 50 mm grid; centering only possible on one side of the cast set

## Material

Zinc die-cast coated;  
Galvanized Steel

## Set

W-100-F	Designation
1 ×	W-100-GF
4 ×	IBS-M8x20
2 ×	NM-M8

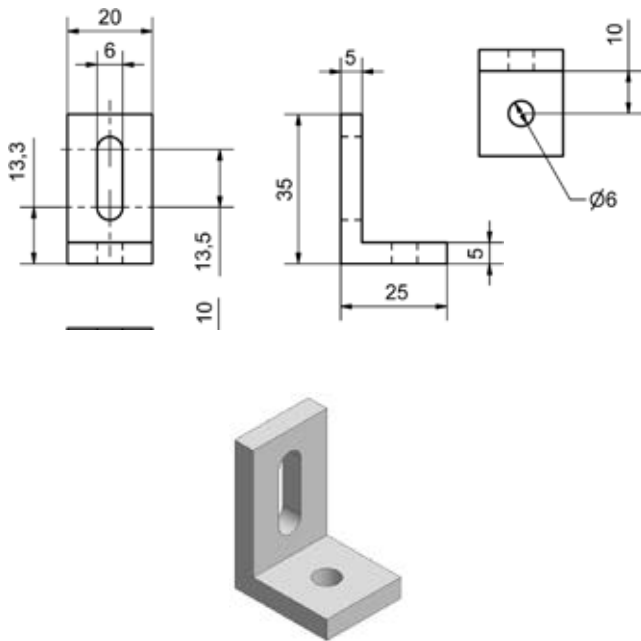
## Code

W-100-F	Weight
	524 g



## W-35/25

Gusset-35/25



### Application

Fastening of surface elements and additional Components

### Material

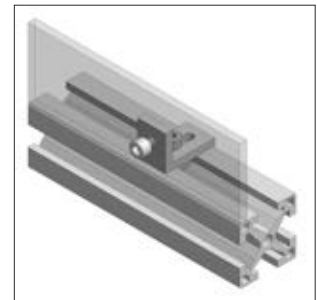
Aluminum F25; natural anodized

### Code

W-35/25

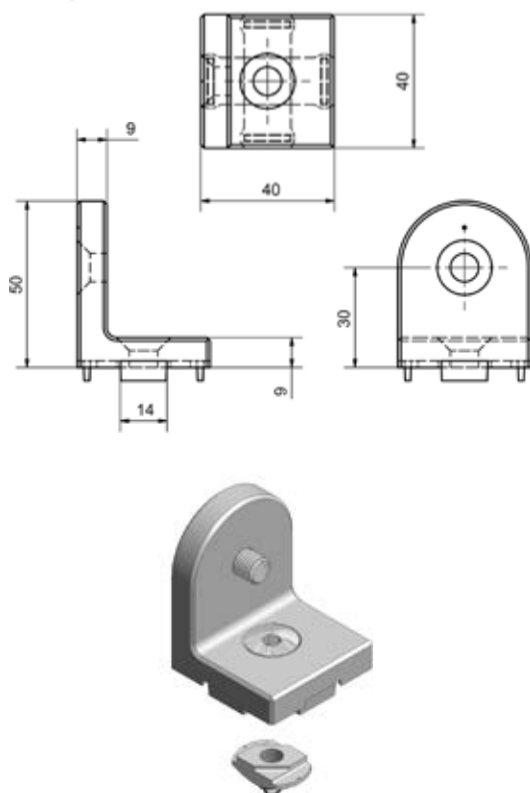
### Weight

12 g



## LB-40

Bearing block-40



### Application

Bearing block for fastening axles

### Material

Zinc die-cast coated;  
Galvanized Steel

### Set

LB-40	Designation
1 x	G-40-G
1 x	SKS-M8x16
1 x	SKS-M8x20
1 x	NM-M8

### Code

LB-40

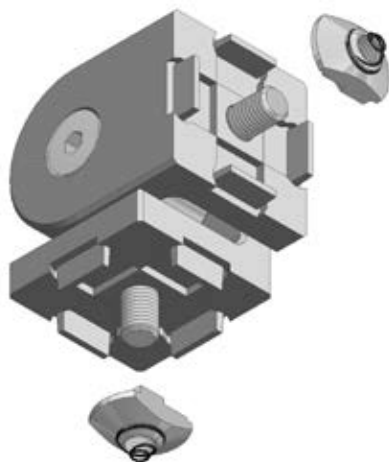
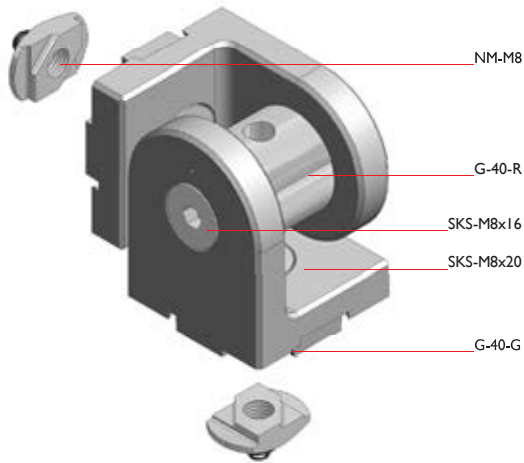
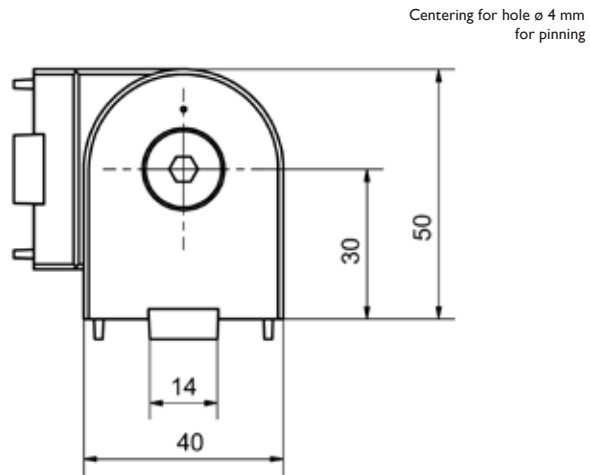
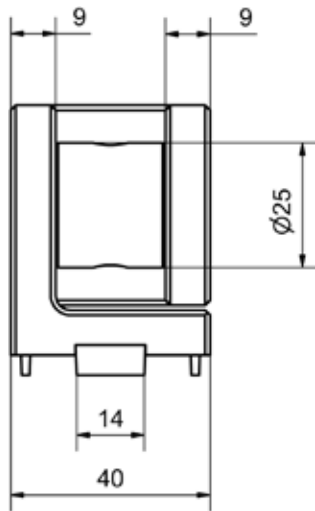
### Weight

91 g



# G-40

## Joint-40



### Application

Adjustable cast set connection (-90° to +90°); installation in 40 mm grid on the face of the profile; installation in 40 mm and 50 mm grid in the longitudinal groove; attachment to surfaces by breaking out the center ring possible (see photo).



### Material

Cast aluminum coated; aluminum natural; galvanized steel

### Set

G-40	Designation
1 ×	G-40-R
2 ×	G-40-G
2 ×	SKS-M8x16
2 ×	SKS-M8x20
2 ×	NM-M8

### Code

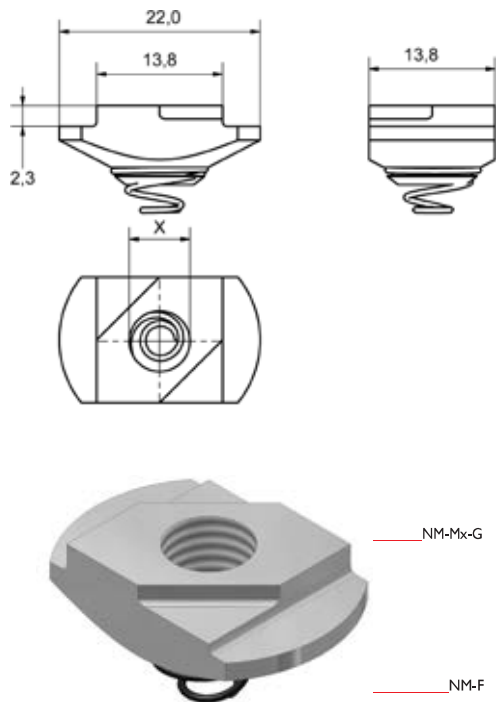
G-40	Weight
G-40	219 g
G-40-K*	270 g

\* as G-40, but with clamping lever (G-40-KH) instead of SKS-M8x16



## NM-Mx

T-nut



### Application

T-slot for swiveling into 14 mm slots with or without BÖMA T-slot inserted ED; can be moved in the slot with spring as locking device

### Material

High strength Galvanized Steel

### Set

Quantity	Designation
1 ×	NM-Mx-G
1 ×	NM-F

### Code

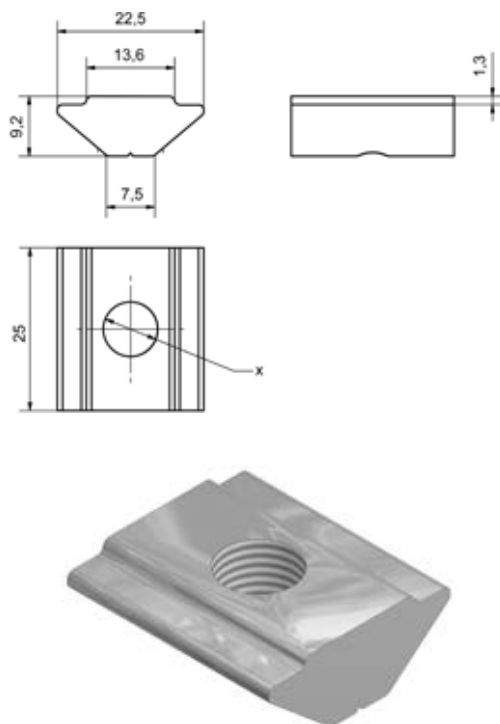
Code	Weight
NM-M4	10 g
NM-M5	9 g
NM-M6	9 g
NM-M8	8 g

### Note

T-nut inserter ED for NM see index directory

## SM-Mx

Sliding T-nut



### Application

Sliding T-slot with extremely high strength; for insertion into the slot from the end of the profile; can be used for attaching fixtures that need to be repositioned .e.g. for adjusting devices

### Material

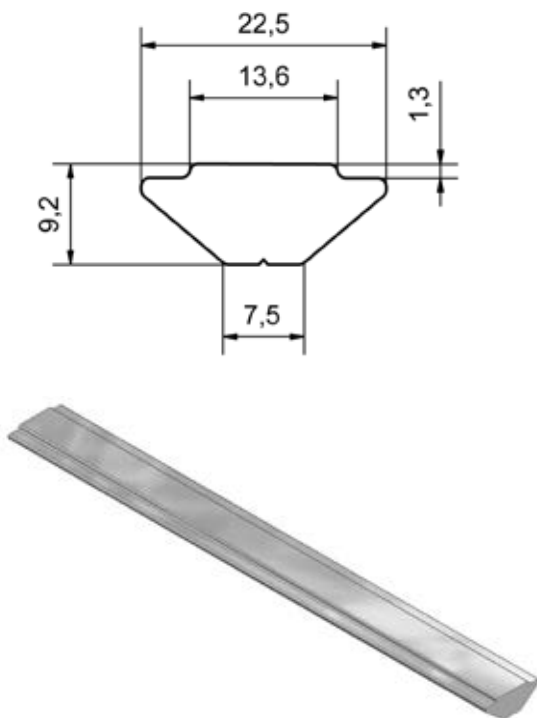
Galvanized Steel

### Code

Code	Weight
SM-M6	25 g
SM-M8	24 g
SM-M10	23 g

## SMS

Sliding T-nut bar



### Application

Fastening of sliding panels; centering groove for customer-specific holes on the underside

### Material

Galvanized steel  
Bar length 1000 mm

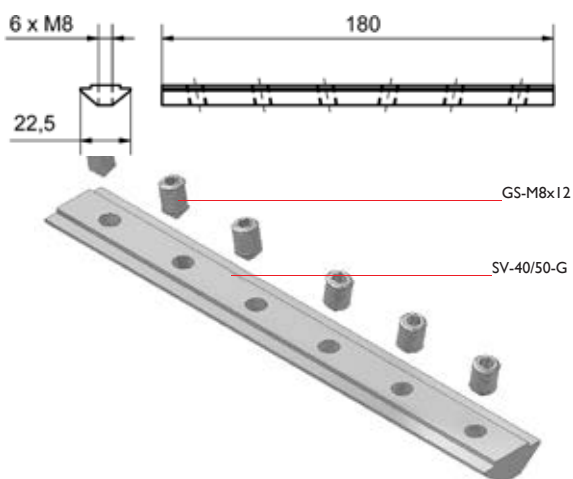
<b>Code</b>	Weight
SMS	1108 g

### Note

Drilling machining on edge request according to drawing possible

## SV-40/50

Butt joint-40/50



### Application

Connection of butt joints of profiles in 40 and 50 grid with obliquely drilled threads to clamp profiles together; profile narrowing

### Material

Galvanized Steel

### Set

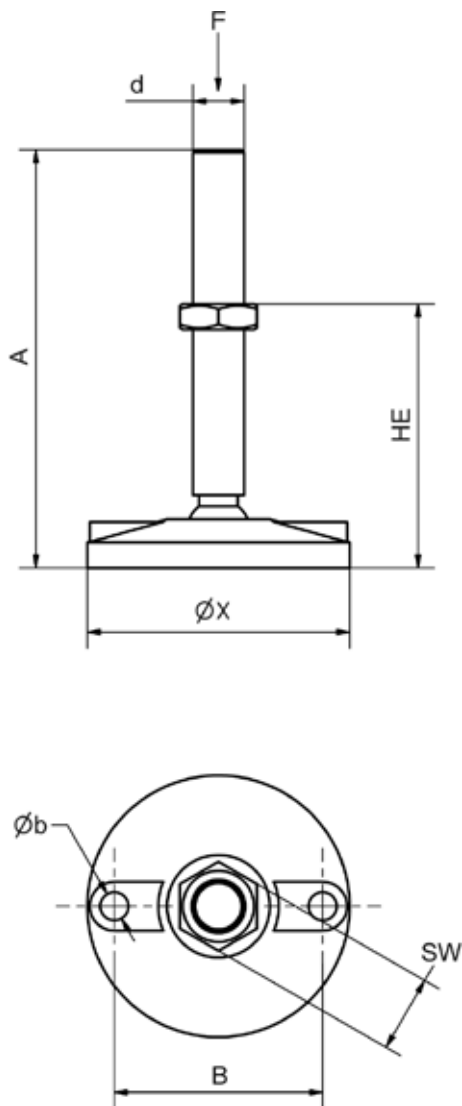
SV-40/50	Designation
1 ×	SV-40/50-G
6 ×	GS-M8x12-S

<b>Code</b>	Weight
SV-40/50	167 g



# SF-X

## Levelling foot



### Application

Levelling foot for machines and devices with anti-slip sole and ball joint

### Material

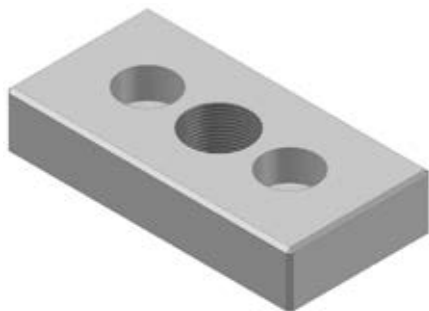
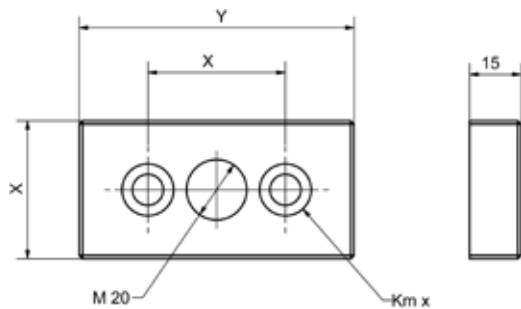
Plastic glass fiber reinforced; black  
Galvanized Steel

### Code

SF-X	X	d	A	HE	HE <sub>min</sub>	HE <sub>max</sub>	SW	b	B	F <sub>max</sub>	Weight
SF-40-M8/75	40	M8	75	50	40	55	13	-	-	1200 N	56 g
SF-50-M10/102	50	M10	102	60	40	80	17	-	-	1200 N	90 g
SF-80-M10/102	80	M10	102	60	40	80	17	9	54	3000 N	133 g
SF-100-M20/160	100	M20	160	100	55	155	28	9	74	5000 N	432 g

## SFP-XxY-M20

Base plate with M20-Thread



### Application

Base plate for adjustable feet or eyebolts with M20 thread

### Material

Galvanized Steel

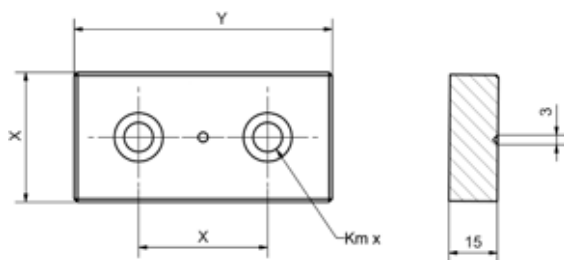
### Code

Code	Weight	Lowering x
SFP-40x80-M20	312 g	Km 8
SFP-80x80-M20	649 g	Km 8
SFP-50x100-M20	499 g	Km 10
SFP-100x100-M20	1031 g	Km 10



## SFP-XxY-Z

Base plate with Centering



### Application

Base plate for Adjustable Feet or Eyebolts with Centering for Collar Specific Thread

### Material

Galvanized Steel

### Code

Code	Weight	Lowering x
SFP-40x80-Z	339 g	Km 8
SFP-80x80-Z	683 g	Km 8
SFP-50x100-Z	529 g	Km 10
SFP-100x100-Z	1063 g	Km 10

### Note

Custom thread possible



## LR-X-B

Swivel castor with hole



LR-125-B

### Application

Swivel castor for trolleys, conveyors, mobile machines and devices with locking brake

### Mounting

1 × M10/M12

### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F (N)
LR-80-B	80	101	560 g	500
LR-100-B	100	125	700 g	750
LR-125-B	125	150	1170 g	1000

## LR-X-P

Swivel castor with plate



LR-125-P

### Application

Swivel castor for trolleys, conveyors, mobile machines and devices with locking brake

### Mounting

4 × M8, Hole pattern: 80×60 mm

### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F (N)
LR-80-P	80	101	697 g	500
LR-100-P	100	125	922 g	750
LR-125-P	125	150	1250 g	1000

## BR-X-P

Fixed castor with plate



BR-125-P

### Application

Fixed castor for trolleys, conveyors, mobile machines and devices without locking brake

### Mounting

4 × M8, Hole pattern: 80×60 mm

### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F (N)
BR-80-P	80	101	442 g	500
BR-100-P	100	125	752 g	750
BR-125-P	125	150	1025 g	1000

## LR-80-B-PO-white

Swivel castor with hole



### Application

Swivel castor for trolleys, conveyors, mobile machines and devices with locking device

### Mounting

1 × M10/M12

### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F(N)
LR-80-B-PO-white	80	102	555 g	1500

## LR-80-P-PO-white

Swivel castor with plate



### Application

Swivel castor for trolleys, conveyors, mobile machines and devices with locking device

### Mounting

4 × M8, Hole pattern: 80×60 mm

### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F(N)
LR-80-B-PO-white	80	102	598 g	1500

## BR-80-P-PO-white

Fixed castor with plate



### Application

Fixed castor for trolleys, conveyors, mobile machines and devices without locking device

### Mounting

4 × M8, Hole pattern: 80×60 mm

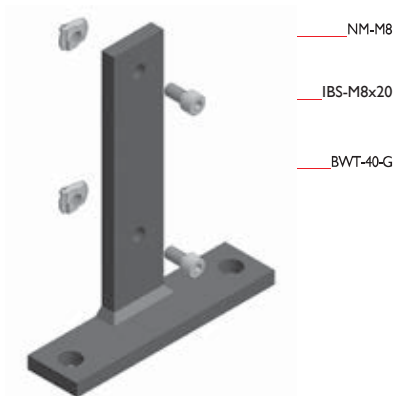
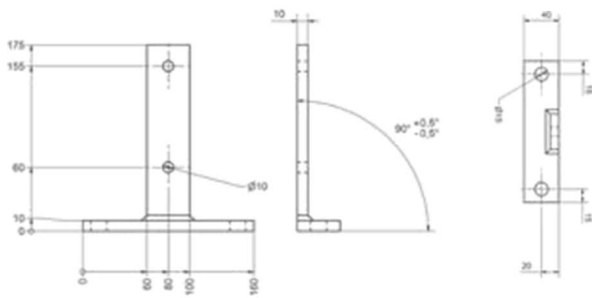
### Material

Galvanized sheet steel; solid rubber tires

Code	∅ Roll	Height	Weight	F(N)
LR-80-B-PO-white	80	102	327 g	2000

## BWT-40/50

Floor Fixing - T, Profile-40/50



### Application

Floor fixing for protective fence elements made for Aluminium profile, or steel groove profiles

### Material

Steel coated

### Set

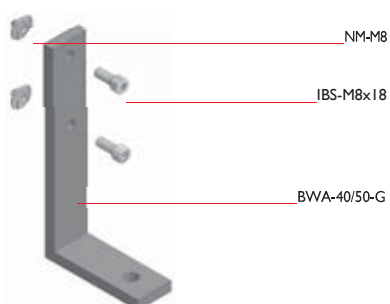
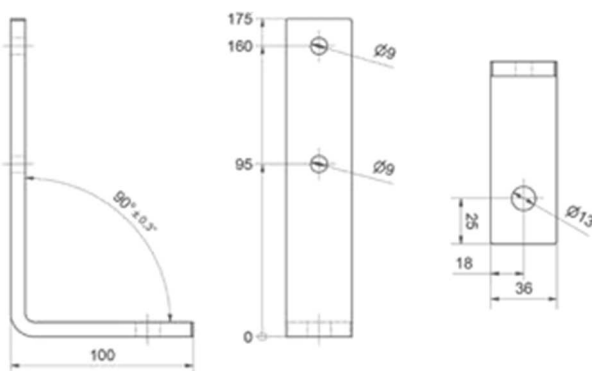
BWT-40	Designation
1 ×	BWT-40/50-G
2 ×	IBS-M8x20
2 ×	NM-M8

### Code

	Weight
BWT-40/50	1003 g

## BWA-40/50

Floor Fixing - L, Profile-40/50



### Application

Floor Fixing for equipment and safety fence elements; for subsequent dowelling of racks with adjustable feet without ground fixing holes

### Material

Steel coated

### Set

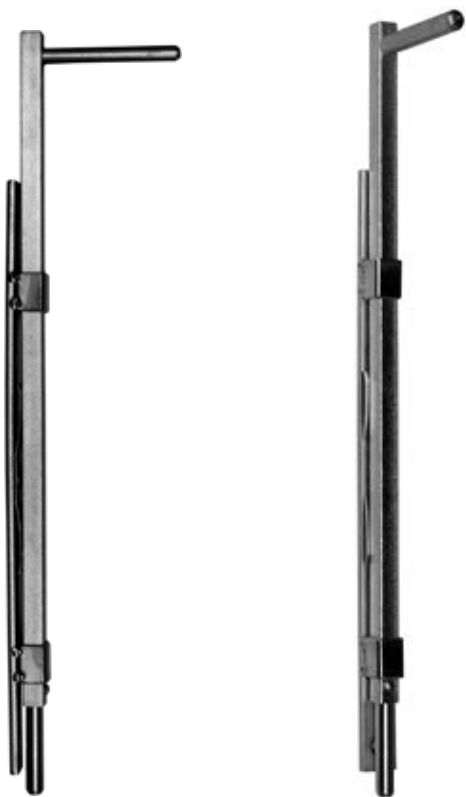
BWA-40/50	Designation
1 ×	BWA-40/50-G
2 ×	NM-M8
2 ×	IBS-M8x18

### Code

	Weight
BWA-40/50	615 g

# BOV-40/50

Floor lock-40/50



## Application

Floor lock for locking mobile conveyor belts and fixtures; attachment to vertical BÖMA profiles

## Material

Galvanized Steel

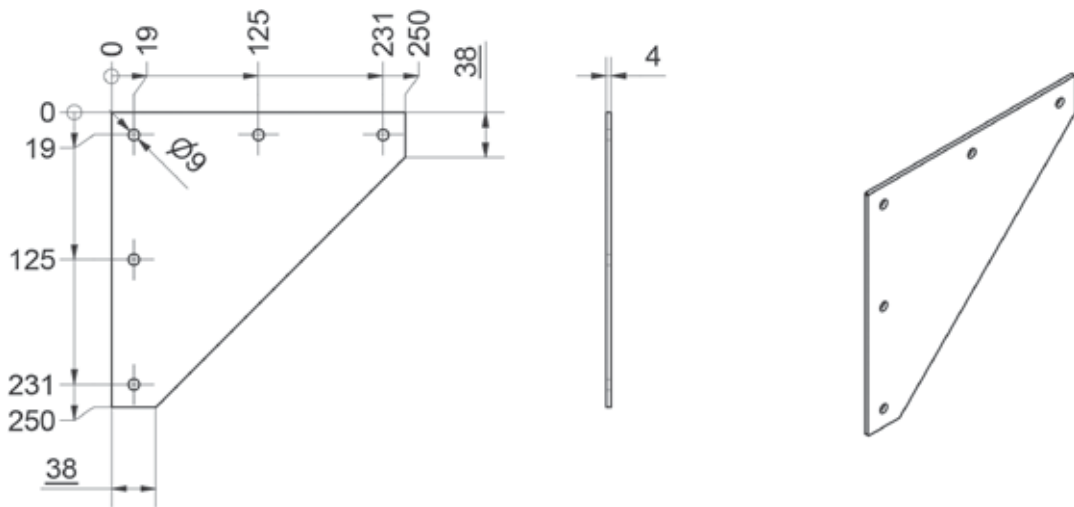
## Set

BOV-40/50	Designation
1 ×	BOV-40/50-G
4 ×	SKS-M6x16
4 ×	NM-M6

<b>Code</b>	<b>Weight</b>
BOV-40/50	1367 g

# KNB-40/50-X

Gusset plate



### Application

Stiffening of corner joints in 40 and 50 mm grid

### Material

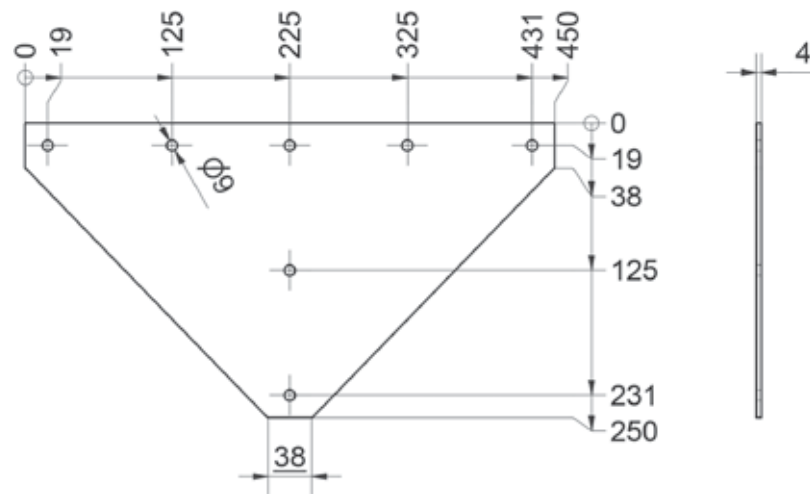
Galvanized Steel

### Code

	Width	Height	Weight
KNB-40/50-150	150	150	497 g
KNB-40/50-250	250	250	1241 g

# KNBD-40/50-X

Gusset plate for T-connections



### Application

Stiffening of T-joints in 40s and 50s grid

### Material

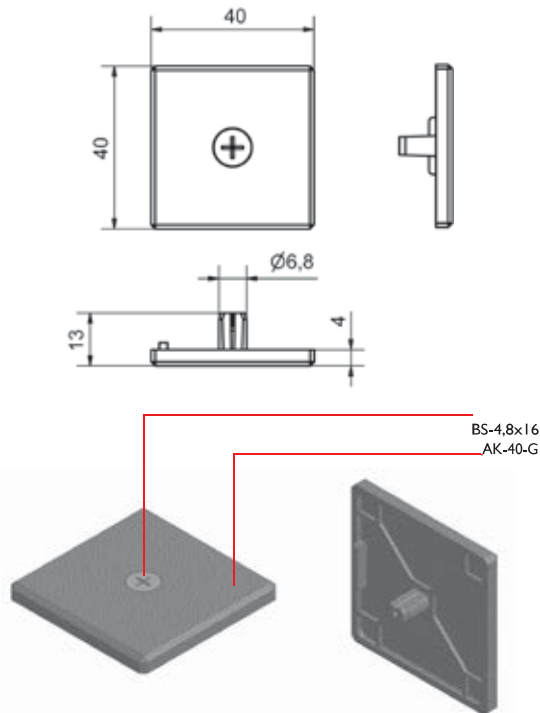
Galvanized Steel

### Code

Code	Width	Height	Weight
KNBD-40/50-150	250	150	790 g
KNBD-40/50-250	450	250	2145 g

## AK-40

End cap-40 for profile 40x40



### Application

Cover for cut ends of profile; countersunk screw ensures a firm hold in the profile by expanding the dowel

### Material

Plastic PA-6; black  
Black Galvanized Steel

### Set

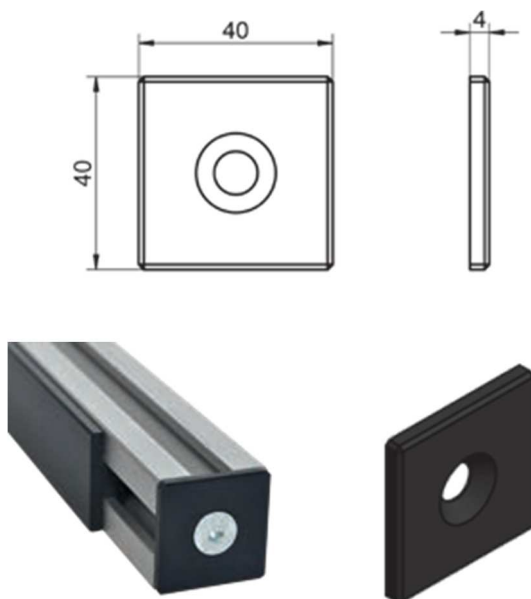
AK-40	Designation
1 x	AK-40-G
1 x	BS-4,8x16

### Code

AK-40	Weight
	7 g

## AK-40-A-G

End cap-40-aluminum



### Application

End cap for Aluminum profiles mediums Aluminum end cap

### Material

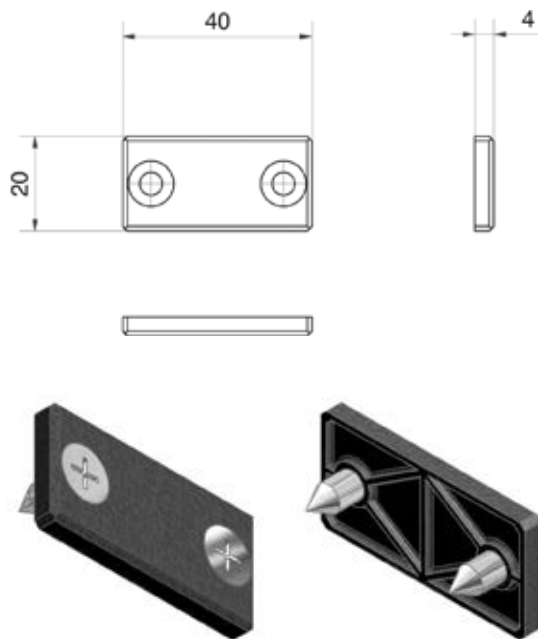
Aluminum black anodized

### Code

AK-40-A-G	Weight
	16 g

## AK-20

End cap-20 for profile 20x40



### Application

Cover for cut ends of profile; countersunk screw ensures a firm hold in the profile by expanding the dowel

### Material

Plastic PA-6; black  
Black Galvanized Steel

### Set

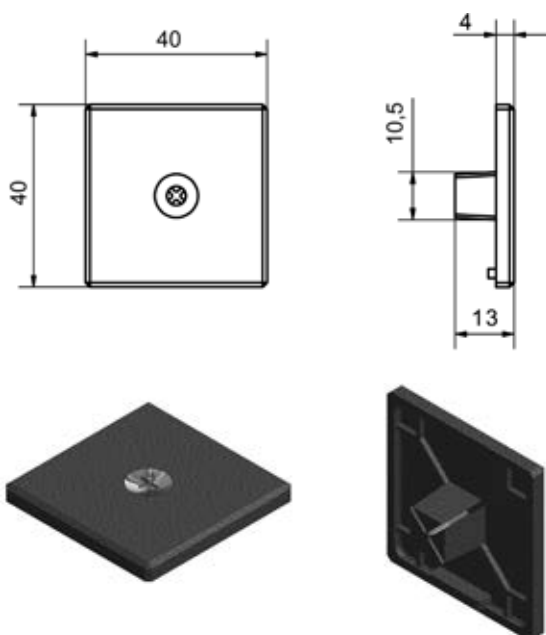
AK-20	Designation
1 ×	AK-20-G
2 ×	BS-4,8x16

### Code

AK-20	Weight
	7 g

## AK-40-S

End cap-40 for steel grooved profiles



### Application

Covering the face of the steel groove profile 40x40-S countersunk screw causes the dowel to spread open. of the dowel provides a firm hold in the profile

### Material

Plastic PA-6; black  
Black Galvanized Steel

### Set

AK-40	Designation
1 ×	AK-40-SG
1 ×	BS-4,8x16

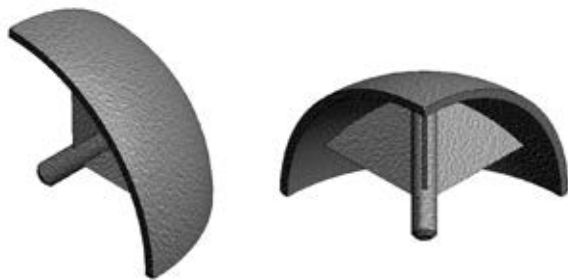
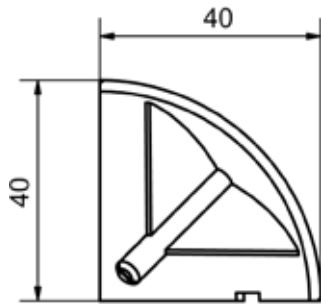
### Code

AK-40-S	Weight
	7 g



## AK-40-K

Curved end cap-40 for V-40-K



### Application

Covering the corner connector V-40-K on 40x40-K profiles

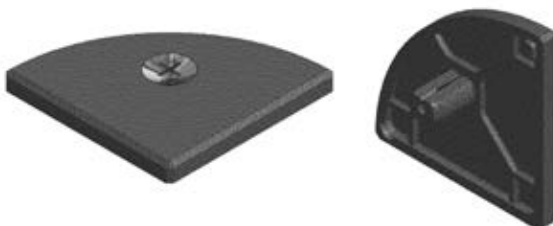
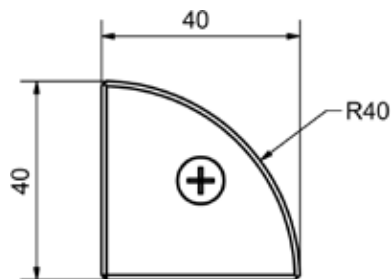
### Material

Plastic PA-6; black

Code	Weight
AK-40-K	9 g

## AK-40-KF

flat end cap-40 for Curve profile 40x40-K



### Application

Covering the front of the Aluminum Curve profiles 40x40-K;  
Countersunk screw causes firm hold in the profile by expanding the dowel

### Material

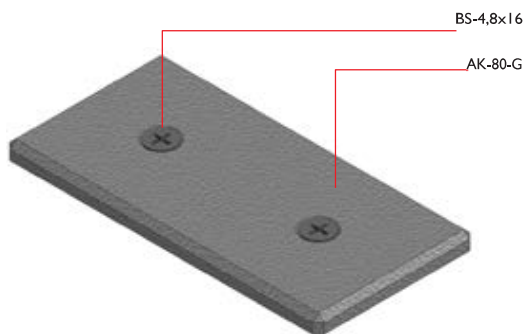
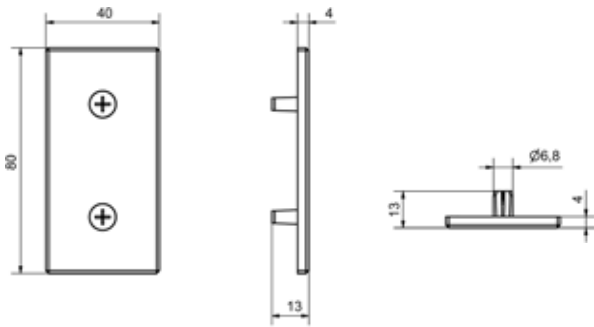
Plastic PA-6; black  
Black Galvanized Steel

Set	Designation
1 x	AK-40-KFG
1 x	BS-4,8x16

Code	Weight
AK-40-KF	7 g

## AK-80

End cap-80 for 40x80 and 80x80 profiles



### Application

Cover for cut ends of profile; countersunk screws ensure a firm hold in the profile by expanding the dowels

profile	AK-80
40x80	1 x
80x80	2 x

### Material

Plastic PA-6; black  
Black Galvanized Steel

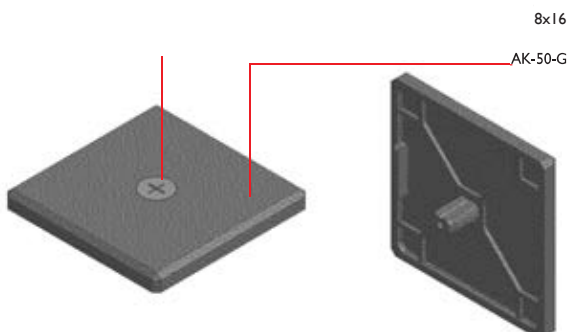
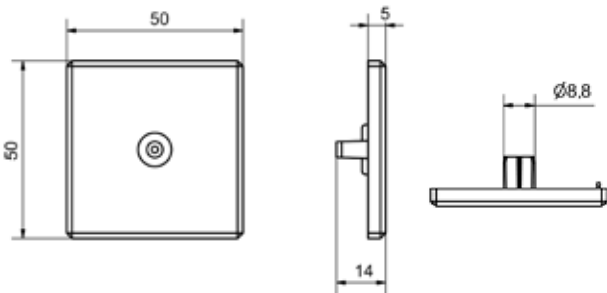
### Set

AK-80	Designation
1 x	AK-80-G
2 x	BS-4,8x16

<b>Code</b>	Weight
AK-80	13 g

## AK-50

End cap-50 for 50x50 profiles



### Application

Cover for cut ends of profile; countersunk screw ensures a firm hold in the profile by expanding the dowel

### Material

Plastic PA-6; black  
Black Galvanized Steel

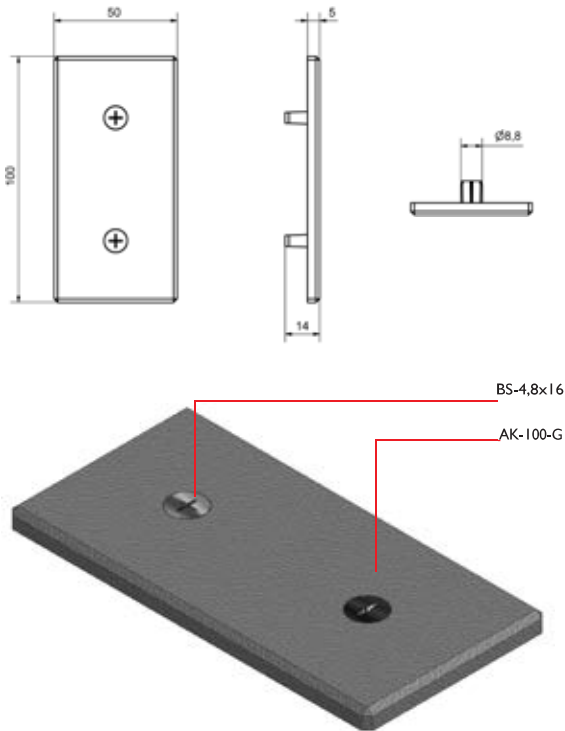
### Set

AK-50	Designation
1 x	AK-50-G
1 x	BS-4,8x16

<b>Code</b>	Weight
AK-50	12 g

## AK-100

End cap-100 for 50x100 and 100x100 profiles



### Application

Cover for cut ends of profile; countersunk screws ensure a firm hold in the profile by expanding the dowels

profile	AK-100
50x100	1 x
100x100	2 x

### Material

Plastic PA-6; black  
Black Galvanized Steel

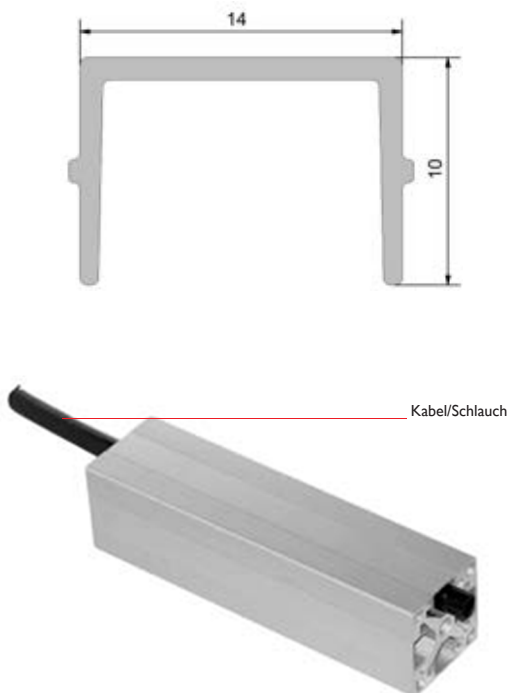
### Set

AK-100	Designation
1 x	AK-100-G
2 x	BS-4,8x16

<b>Code</b>	Weight
AK-100	22 g

## AP-40/50

Cover profile aluminum-40/50



### Application

Tarpaulin cover for grooves to cover cables or hoses or for use in clean room

### Material

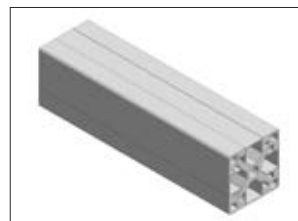
Aluminum F25; natural  
anodized bar length 6000 mm

### Code

AP-40/50-6000 (one rod)  
AP-40/50- [length in mm]

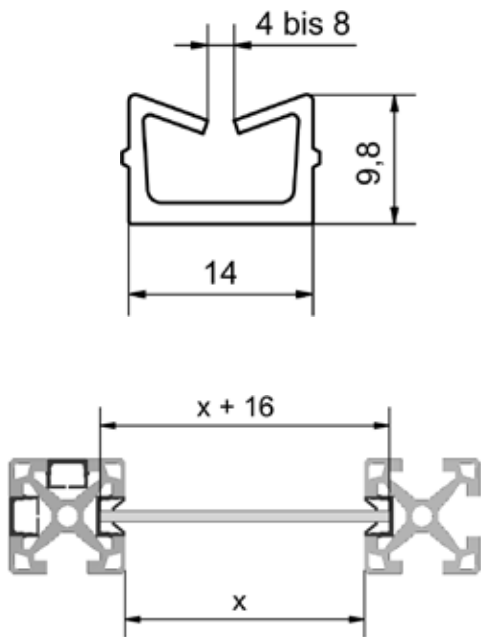
Weight

62 g/m



## KP-40/50

Plastic cover profile-40/50



### Application

Groove profiles for edging of panel elements and woven mesh (4-8 mm thick); plane covering of grooves; covering of cables and hoses in the groove

### Material

Plastic (PP); Black rod length 2000mm  
resp. 6000mm

### Mass

50 g/m

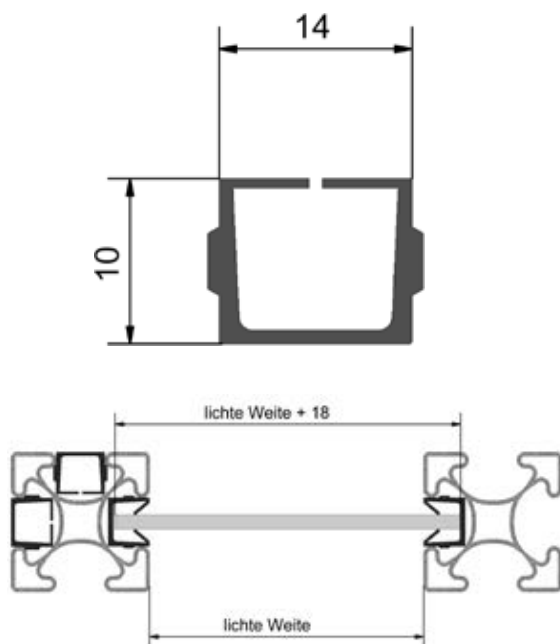
### Code

KP-40/50-2000mm  
KP-40/50-6000mm



## KP-40-S

Plastic cover profile-40 for Steel groove profile 40x40-S



### Application

Groove profiles for edging of panel elements and woven mesh (4-8 mm thick); plane covering of grooves; covering of cables and hoses in the groove

### Material

Plastic (PP); gray  
Bar length 6000 mm

### Mass

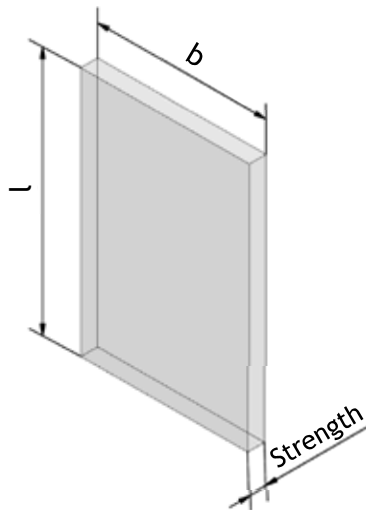
64 g/m

### Code

KP-40-S

## PC-x

Polycarbonate pane



### Application

Impact resistant protective enclosures Machine covers

### Material

Polycarbonate crystal clear

### Code

PC-x	Strength	Weight
PC-4-(l × b)	4,0 mm	4,8 kg/m <sup>2</sup>
PC-5-(l × b)	5,0 mm	6,0 kg/m <sup>2</sup>
PC-6-(l × b)	6,0 mm	7,2 kg/m <sup>2</sup>
PC-8-(l × b)	8,0 mm	9,6 kg/m <sup>2</sup>
PC-10-(l × b)	10,0 mm	12,0 kg/m <sup>2</sup>

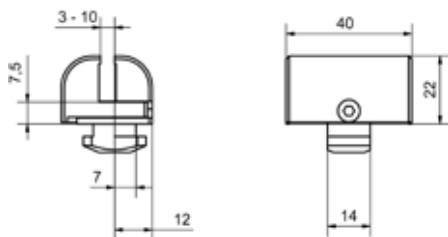
l: length in mm, b: Width in mm

### Note

Surface elements are available in various materials and colours on request (examples: PVC foamed, anodized Aluminium, MDF, ...) Recesses and cut-outs are made according to edge drawings.

## UF-40/50

Unifix-40/50



### Application

Two-piece clamp with screw for surface elements 3-10 mm

### Surface cutting

Clear height of the frame	- 17 mm
Clear width of the frame	- 17 mm

### Material

Plastic black

### Set

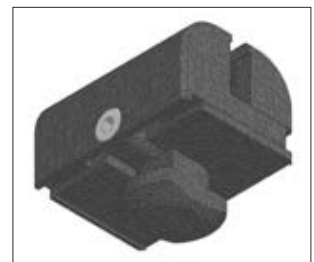
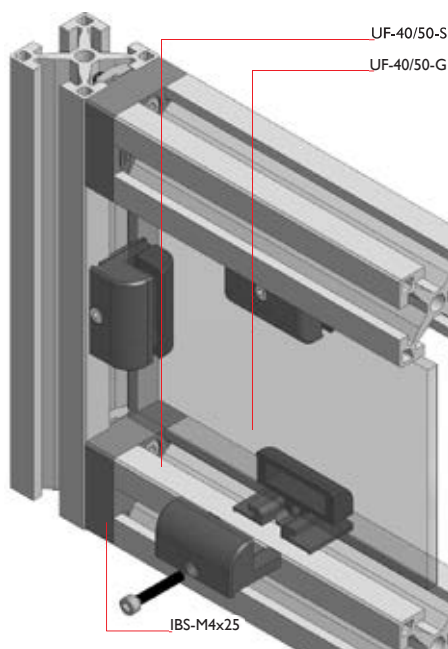
UF-40/50	Designation
1 ×	UF-40/50-G incl. M4 Thread insert
1 ×	UF-40/50-S
1 ×	IBS-M4x25

### Code

UF-40/50	Weight
	21 g

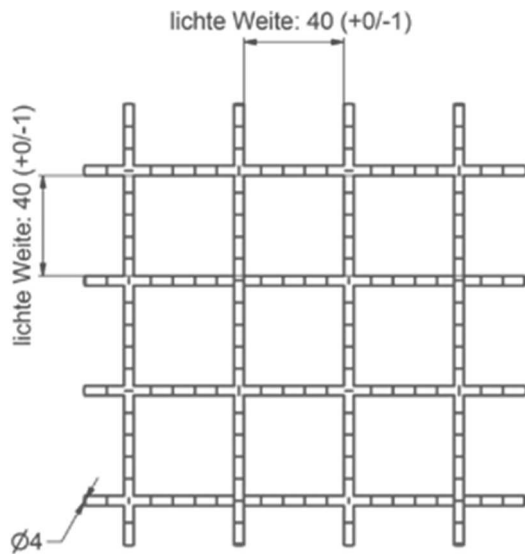
### Note

Another possibility of panel installation is by means of plastic profiles KP-40/50



## WG-40

Woven mesh-40 mm



### Application

Woven mesh for guards; cut according to customer requirements

### Material

Galvanized steel; 40 × 40 × 4 braided

### Bearing dimensions

1500 × 2000 mm  
2000 × 3000 mm

### Code

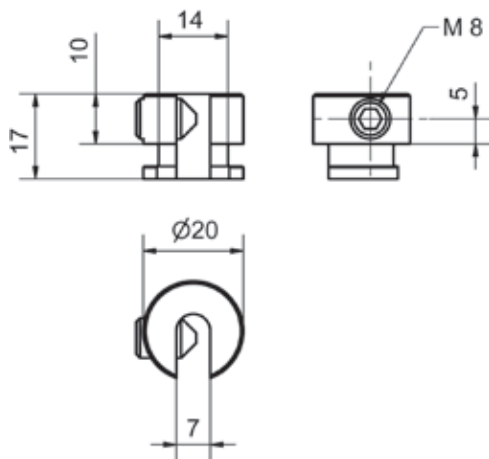
WG-40-(l × b)      Weight  
l: length in mm, b: Width in mm

### Note

Woven mesh can also be supplied powder-coated (specify RAL color); other mesh types on request

## GH-40/50

Mesh holder-40/50



### Application

Stable fastening of woven mesh in profile frames

### Grid cutting

clear Height of the frame + 20 mm clear Width of the frame + 20 mm

### Material

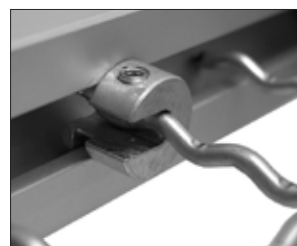
Galvanized Steel

### Set

GH-40/50      Designation  
1 ×              GH-40/50-G  
1 ×              GS-M8x10-S

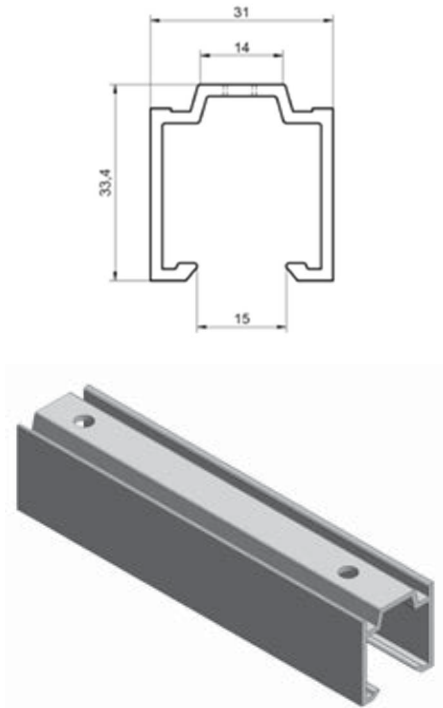
### Code

GH-40/50      Weight  
27 g



## SBTF

### Sliding door guide



#### Application

Guide profiles for sliding doors with fixing holes ( $\varnothing$  6 mm); use of pan-head screws LKS- M6x12 for fixing to the profile or Connection plate VP-40

#### Material

Aluminum F25; natural anodized  
rod length; 6000 mm

#### Code

SBTF- [length in mm]

#### Weight

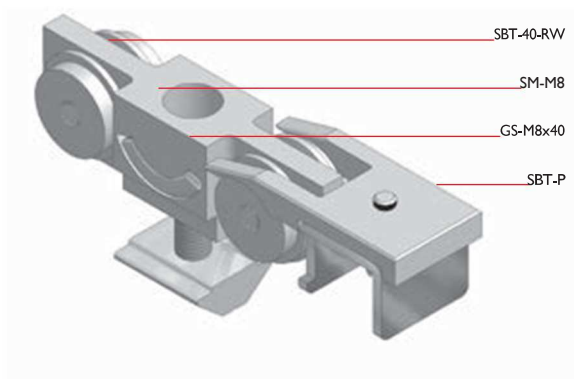
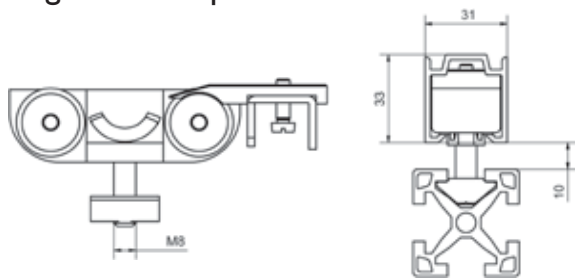
840 g/m

#### Note

For matching accessories see SBTS Set for sliding door and SBT-Z Centering for sliding door

## SBTS

### Sliding door components



#### Application

Two roller carriages with stopper and fasteners for suspension of sliding doors in the Sliding door guide SBTF

#### Material

Zinc die-cast natural; Galvanized Steel; rollers PA white

#### Set

SBTS	Designation
2 ×	SBT-RW
2 ×	SBT-P
2 ×	GS-M8x40
2 ×	SM-M8

#### Code

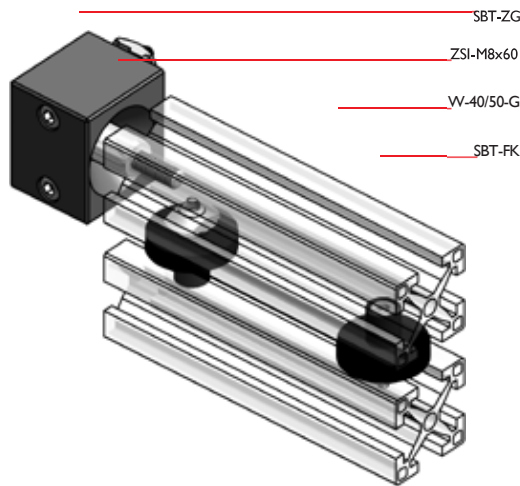
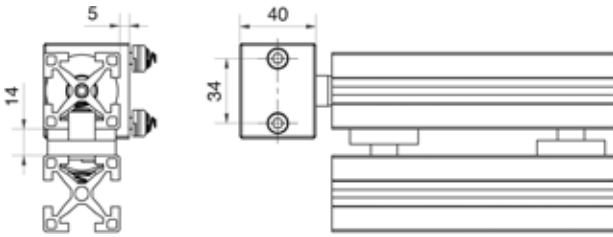
SBTS

#### Weight

266 g

## SBT-Z

Standard sliding door Centering



### Application

Centering and guide for the bottom of sliding doors

### Material

Zinc die casting black;  
Galvanized Steel; Plastic PA black

### Set

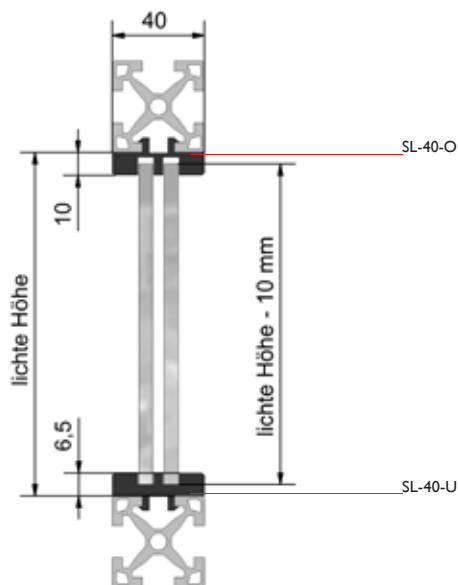
SBT-Z	Designation
2 ×	NM-M6
1 ×	NM-M8
1 ×	SBT-ZG
1 ×	ZSI-M8x60
2 ×	SBT-FK
1 ×	W-40/50-G
2 ×	NM-M5
2 ×	W-40/50-E
1 ×	GE-40-SG
2 ×	IBS-M6x50
1 ×	IBS-M8x16
2 ×	IBS-M5x30
1 ×	GS-M8x40
1 ×	LKS-M5x10

### Code

SBT-Z Weight  
521 g

## SL-40

Sliding bar-40 for discs



### Application

Two-piece plastic profile for small sliding doors with material thickness 6 mm

### Material

PE-1000  
rod length 2000 mm

### Set

SL-40- [length in mm]	Designation	Weight
1 ×	SL-40-O	250 g/m
1 ×	SL-40-U	280 g/m

### Code

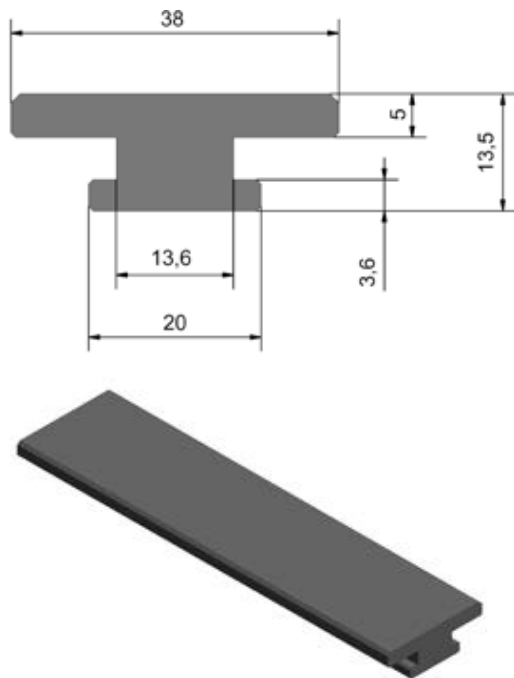
SL-40- [length in mm]





## FL-40/50

### Guide rail-40/50



#### Application

Plastic profile for conveyor guides and fastening sliding parts and light sliding doors in the 14 mm groove

#### Material

PE-1000; black; very good sliding properties; undrilled; rod length 3000 mm

#### Code

FL-40/50- [length in mm]

#### Weight

310 g/m

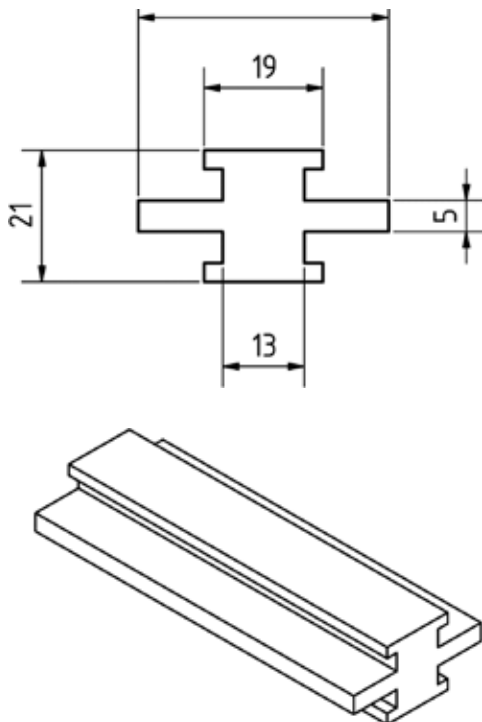
#### Note

Drilling machining on edge request according to drawing possible



## DFL-40/50

### Double Guide rail-40/50



#### Application

Plastic profile for fastening sliding parts and light sliding doors in the 14 mm groove

#### Material

PE-1000; black; very good sliding properties; undrilled; rod length 3000 mm

#### Code

DFL-40/50-[length in mm]

#### Weight

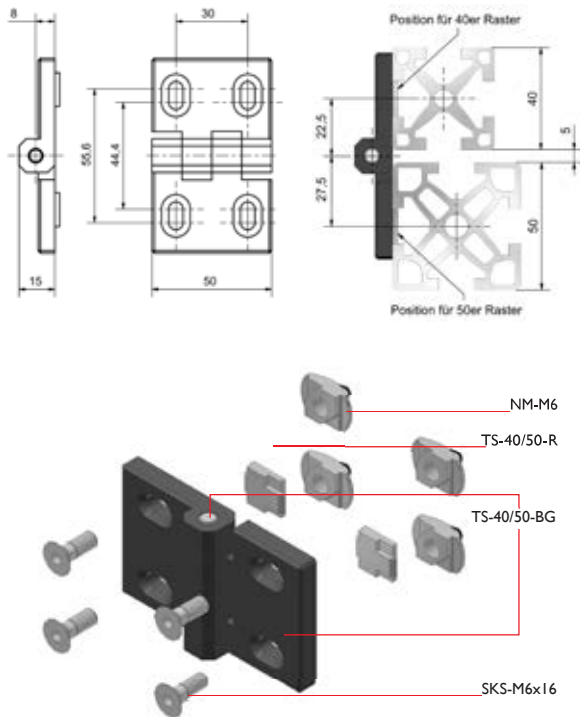
420 g/m

#### Note

Drilling machining on edge request according to drawing possible

## TS-40/50

Hinge-40/50



### Application

Fastening of flaps, swing doors and moveable panels panel elements

### Material

Zinc die casting coated; Galvanized Steel

### Set

TS-40/50	Designation
1 ×	TS-40/50-BG
2 ×	TS-40/50-R
4 ×	SKS-M6x16
4 ×	NM-M6

### Code

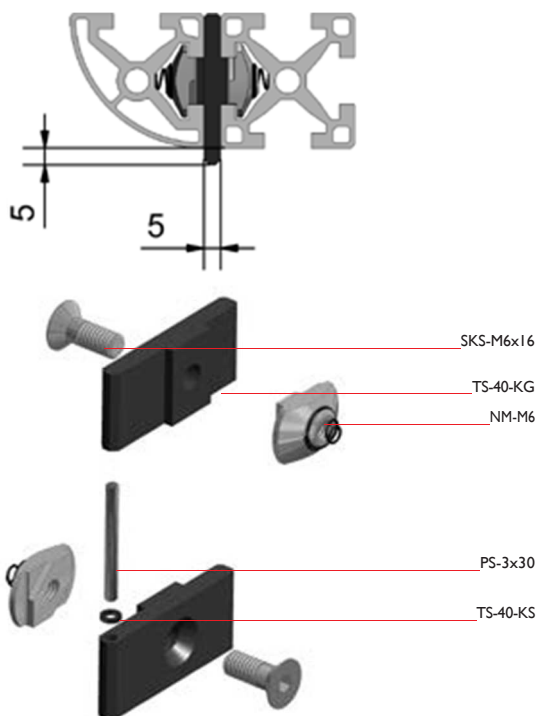
TS-40/50	Weight
	239 g

### Note

In the assembled state, the grooved side of the bolt should point upwards

## TS-40-K

Hinge-40 for Curve profile



### Application

Hinge for light doors in raster 40; especially in frame from Curve profile 40x40-K; doors can be unhinged without tools

### Material

Aluminum anodized

### Set

TS-40-K	Designation
2 ×	TS-40-KG
1 ×	PS-3x30
1 ×	TS-40-KS
2 ×	SKS-M6x16
2 ×	NM-M6

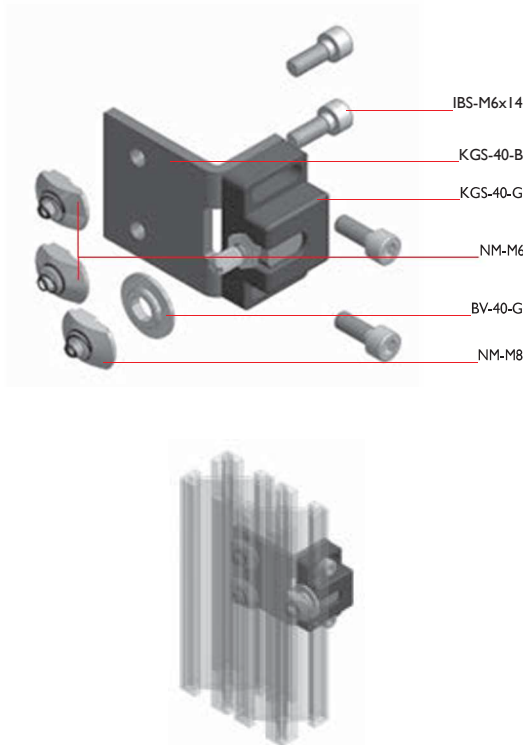
### Code

TS-40-K	Weight
	80 g



## KGS-40

### Ball snapper-40



#### Application

Locking of flaps, swing doors, sliding doors and movable panel elements; also serves as a stop

#### Material

Plastic glass fiber reinforced; black  
Screw: Galvanized Steel  
Casting set: steel black coated

#### Set

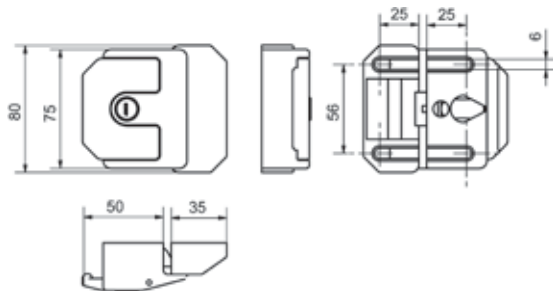
KGS-40	Designation
1 ×	KGS-40-G
1 ×	KGS-40-B
4 ×	IBS-M6x14
2 ×	NM-M6
1 ×	NM-M8
1 ×	BV-40-G

#### Code

KGS-40	Weight
	170 g

## TV-40/50

### Slam latch-40/50



#### Application

Closing element for doors and flaps; for mounting on BÖMA profiles in 40 and 50 mm increments

#### Material

Black die-casting zinc

#### Set

TV-40/50	Designation
1 ×	TV-40/50-G
4 ×	IBS-M6x16
4 ×	NM-M6

#### Code

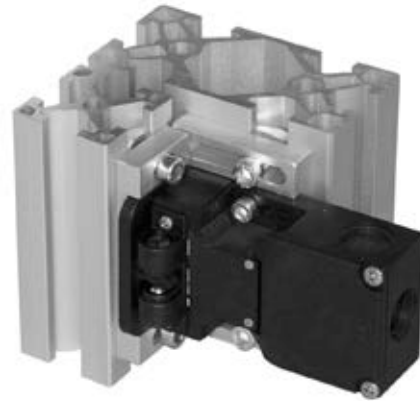
TV-40/50-S (with lock)	Weight
TV-40/50 (without lock)	560 g
	525 g

# SH-16

Safety switch



Application for sliding doors (40x40-profile)



Swing door (40x40 profiles) on 50x100 frame



Swing door 40x40 profiles to 40x40 frame



Swing door 40x40 profiles to 50x50 frame

### Application

Safety switch with ball catch and fastening for flaps, hoods, swing and sliding doors, which must be closed to ensure the required operational safety; fastening set for universal fastening of the switch on all profile types (see pictures).

### Material

Plastic fiberglass reinforced switch: 1 NC and 1 NO contact

### Set

SH-16	Designation
1 ×	AZ-16
1 ×	AZ-16-BH
1 ×	AZ-16-SH
4 ×	NM-M6
4 ×	IBS-M6x18
2 ×	IBS-M5x12
2 ×	SKS-M5x8

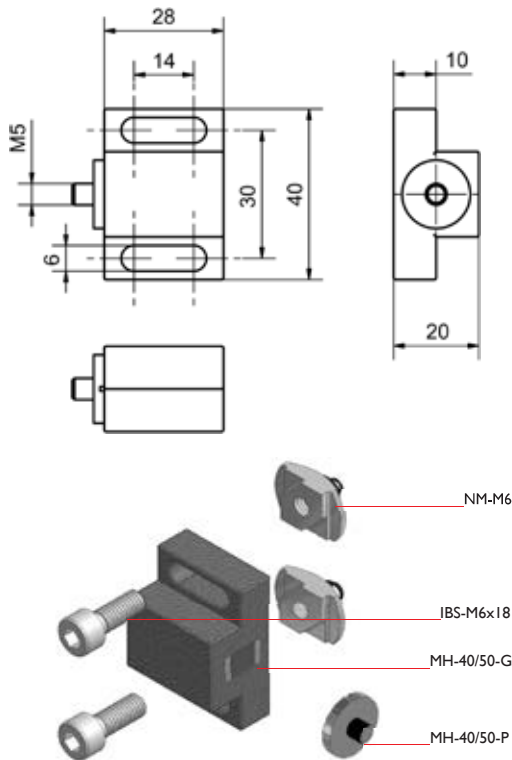
Code:	Weight
SH-16	300 g

### Note

Other switch types on request

## MH-40/50

Magnetic catch-40/50 for Slices



### Application

Magnetic catch for flat doors and flaps for mounting on BÖMA profiles in 40 and 50 mm increments

### Material

Plastic black; Galvanized Steel

### Set

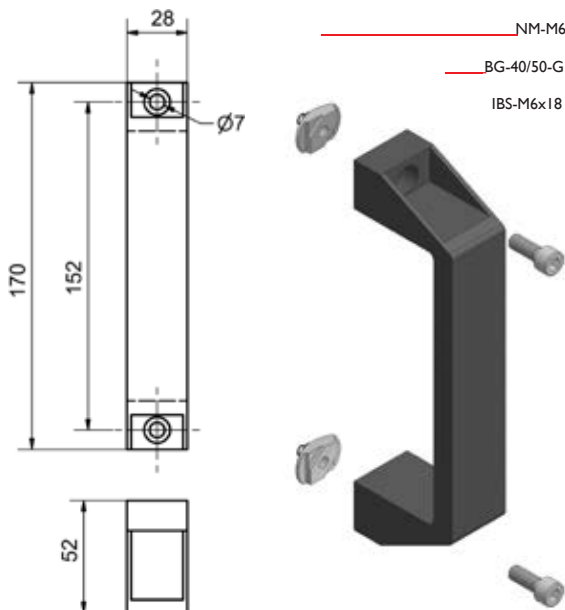
MH-40/50	Designation
1 ×	MH-40/50-G
1 ×	MH-40/50-P
2 ×	NM-M6
2 ×	IBS-M6x18

### Code

MH-40/50	Weight
	150 g

## BG-40/50

Plastic handle-40/50



### Application

Handle for opening, holding and moving machines and fixture parts

### Material

Black reinforced plastic fiberglass

### Set

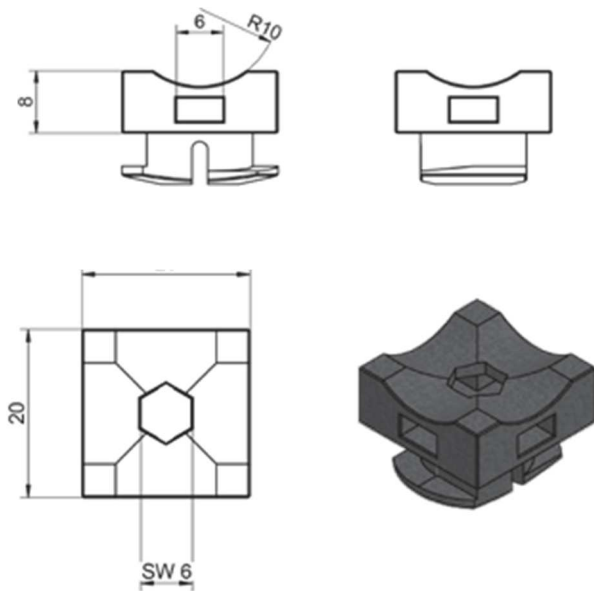
BG-40/50	Designation
1 x	BG-40/50-G
2 x	IBS-M6x18
2 x	NM-M6

### Code

BG-40/50	Weight
	105 g

## KBH-40/50

Cable tie holder-40/50



### Application

Fastening component for cables; hoses or tubes with diameter of 4-25 mm

### Material

Plastic black

**Code** Weight

KBH-40/50 2 g

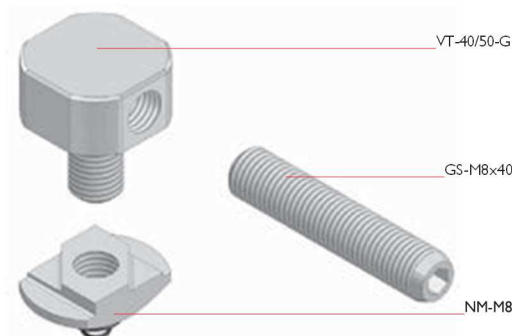
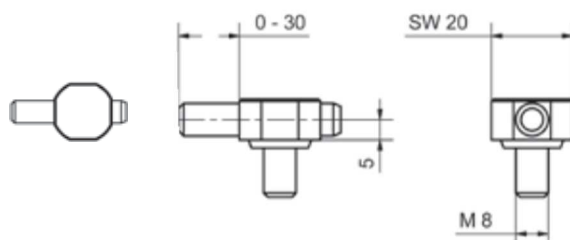
### Note

The KBH-40/50 can be fixed in the groove by hand or with an Allen key by a 90° turn



## VT-40/50

Verstellteil-40/50



### Application

Adjustment of stops; belt tensioning device for conveyor belts; adjustment range: 0-30 mm

### Material

Stainless steel; Galvanized steel

### Set

VT-40/50	Designation
1 ×	VT-40/50-G
1 ×	GS-M8x40
1 ×	NM-M8

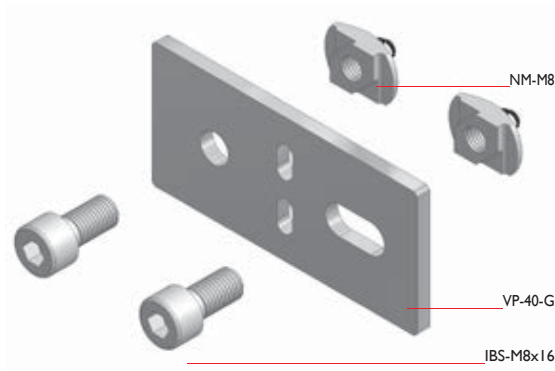
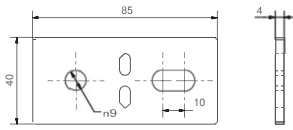
**Code** Weight

VT-40/50 63 g



## VP-40

### Connection plate-40



#### Application

Connection of profile frames preferably for protection fence construction; gap between 40 mm profiles 0-10 mm incl. predetermined bending point in the middle of the panel

#### Material

Galvanized Steel

#### Set

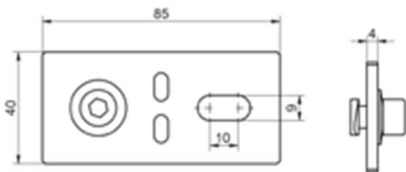
VP-40	Designation
1 ×	VP-40-G
2 ×	NM-M8
2 ×	IBS-M8x16

#### Code

VP-40	Weight
	132 g

## VP-40 UV-E

### Connection plate-40 captive with easy quick fixation



#### Application

Connection plate with one locking screw for captive connections of elements and reduction of assembly time by fastening medium 90° rotation incl. Allen screw M8x14 and swivel nut M8

#### Material

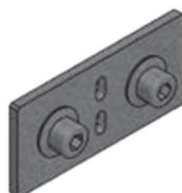
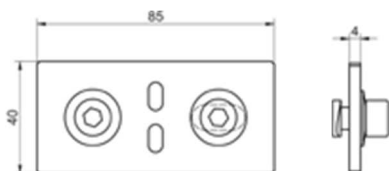
Steel galvanized

#### Code

VP-40UV-E	Weight
	111 g

## VP-40 UV-D

### Connection plate-40 captive with double quick fixation



#### Application

Connection plate with two locking screws for captive connections of elements and reduction of assembly times by fastening medium 90° rotation incl. Allen screw M8x14 and swivel nut M8

#### Material

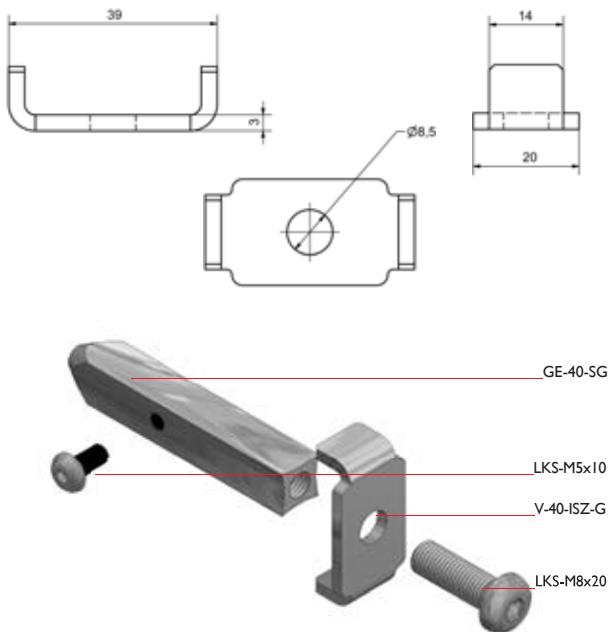
Galvanized Steel

#### Code

VP-40UV-D	Weight
	131 g

## V-40-S

Connector-40 for steel grooved profiles



### Application

90° - Connection of steel groove profiles

### Attention

With the help of the drilling template BS-40-ISZ, cross holes  $\varnothing=5,5$  and  $\varnothing 10$  are set

### Material

Galvanized Steel

### Set

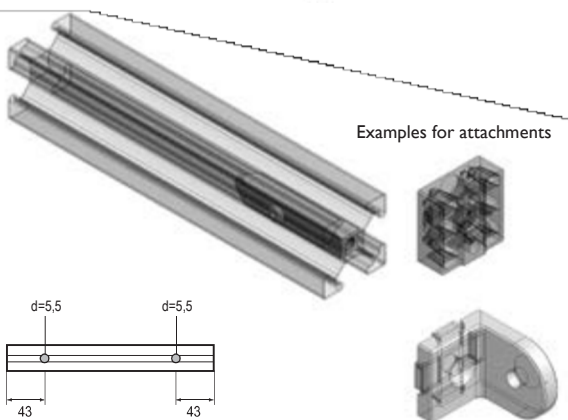
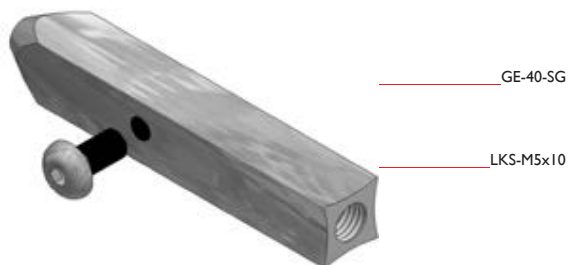
V-40-S	Designation
1 ×	V-40-S-G
1 ×	GE-40-SG
1 ×	LKS-M8x20
1 ×	LKS-M5x10

### Code:

V-40-S	Weight
	74 g

## GE-40-S

Thread insert-40 for Steel grooved profiles



### Application

Thread insert for steel groove profile 40x40-S with M8x20 thread; attachment of plates and various attachments such as connector V-40, joint G-40, inline connector AV-40, drill connector BV-40-M8

### Attention

With the help of the drilling template BS-40 a cross hole  $\varnothing=5,5$  mm is set

### Material

Galvanized Steel

### Set

GE-40-S	Designation
1 ×	GE-40-SG
1 ×	LKS-M5x10

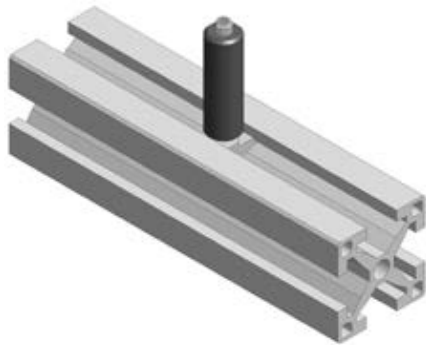
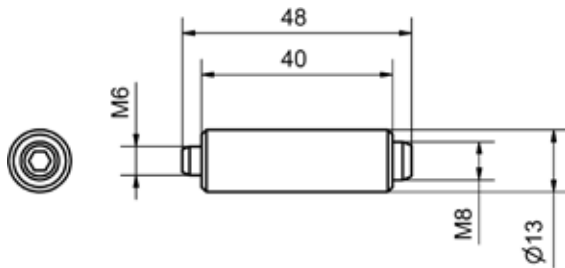
### Code

GE-40-S	Weight
	48 g



## ED-Mx

T-nut inserter



### Application

Auxiliary tool for easy insertion of the T-slot in all mounting positions; screw the T-slot onto the T-slot inserter; swivel the T-slot clockwise into the slot under slight pressure; now the T-slot is secured against rotation; loosen the T-slot inserter by pulling it counter clockwise. Now the T-slot is secured against rotation; loosen the T-slot inserter by pulling it counter clockwise.

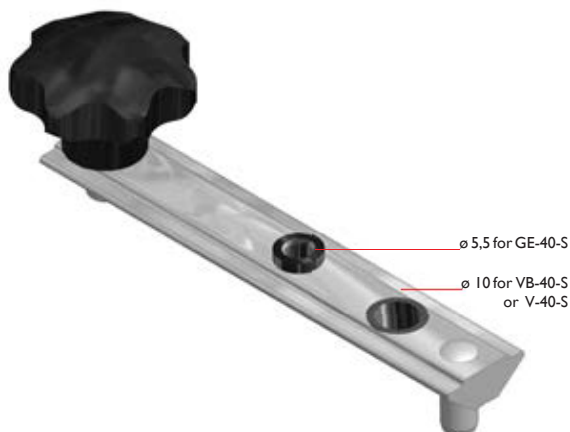
### Material

Plastic PAS, black; Galvanized Steel

Code	Weight
ED-M4/M5	9 g
ED-M6/M8	10 g

## BS-40

Drilling template-40



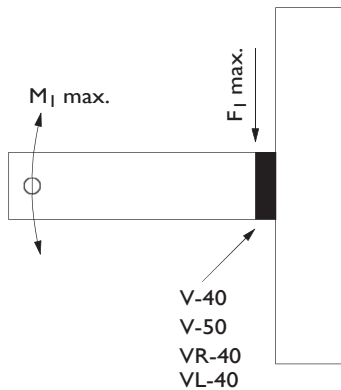
### Application

Device for exact setting of holes for Thread insert GE-40-S and Connector V-40-S

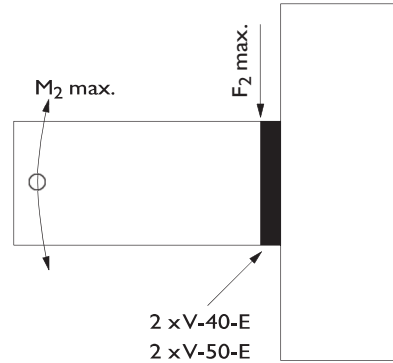
Code	Weight
BS-40	156 g

# Technical information

## Load and tolerances for aluminum profile

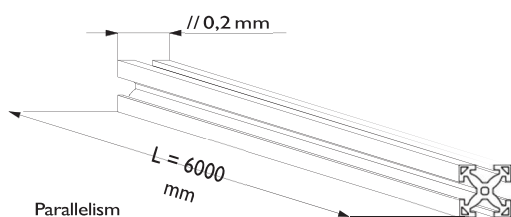
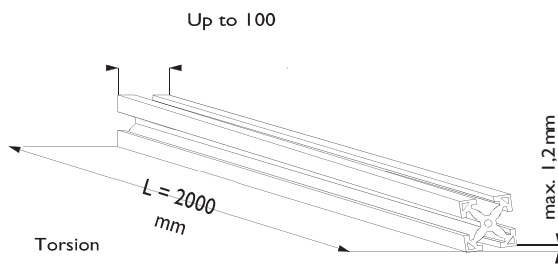
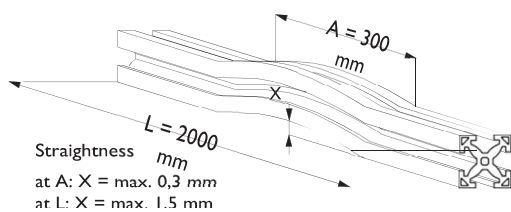


Connector	F <sub>1</sub> max.	M <sub>1</sub> max.
V-40	1000 N	100 Nm
V-50	1500 N	250 Nm
RV-40	550 N	—
VL-40	350 N	—



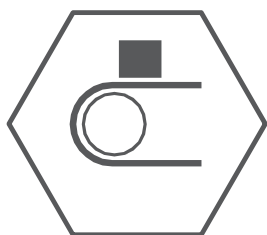
Connector	F <sub>2</sub> max.	M <sub>2</sub> max.
2 x V-40-E	1000 N	185 Nm
2 x V-50-E	1500 N	550 Nm

### Tolerances according to DIN 17615 Part 3



### Technical data

Material Designation	AlMgSi 0,5F25
Material number	3.3206.71
Minimum tensile strength Rm in pressing direction	215 N/mm <sup>2</sup>
Yield strength Rp in pressing direction	160 N/mm <sup>2</sup>
Modulus of elasticity E	70000 N/mm <sup>2</sup>
Coefficient of linear expansion	$\alpha = 22,5 \times 10^{-6} 1/K$
Brinell hardness	ca. 70HB
Elongation at break A5	12 %
Material density	2,7 kg/dm <sup>3</sup>
Cutting data	
length tolerance (up to 6000 mm)	$\pm 0,2$ mm



Conveyor technology

# Conveyor technology

from standard to special equipment.

# Conveyor technology

## **FB-50-DM**

Conveyor belt 50 with direct drive and knife edge\_\_2.05

## **FB-50-DU**

Conveyor belt 50 with direct drive\_\_\_\_\_2.04

## **FB-50-KM**

Conveyor belt 50 with head drive and knife edge\_\_2.07

## **FB-50-KU**

Conveyor belt 50 with head drive\_\_\_\_\_2.06

## **FB-50-MMM**

Conveyor belt 50 with middle drive  
and two knife edges\_\_\_\_\_2.09

## **FB-50-MUU**

conveyor belt 50 with middle drive\_\_\_\_\_2.08

## **FB-80-DU**

Conveyor belt 80 with direct drive \_\_\_\_\_2.10

## **FB-80-KU**

Conveyor belt 80 with head drive \_\_\_\_\_2.11

## **FB-80-TU**

Conveyor belt 80 with drum motor drive\_\_\_\_\_2.12

## **FBE-40**

Eco-40 conveyor belt\_\_\_\_\_2.02

## **FBE-80**

Eco-80 conveyor belt\_\_\_\_\_2.03

## **MKFG-80**

Module chain conveyor-straight-80\_\_\_\_\_2.14

## **MKFK-80**

Module chain conveyor curve-80\_\_\_\_\_2.15

## **ZRF-XP**

Toothed belt conveyor with XP profile\_\_\_\_\_2.13

# Accessories

## **Accessories**

Brackets\_\_\_\_\_2.17

## **BA-XX-Y**

Tape query\_\_\_\_\_2.17

## **FU-370-G**

Frequency converter for 370 watts\_\_\_\_\_2.16

## **HV-40-400**

Height adjustment-40-400 mm\_\_\_\_\_2.18

## **Side Guides**

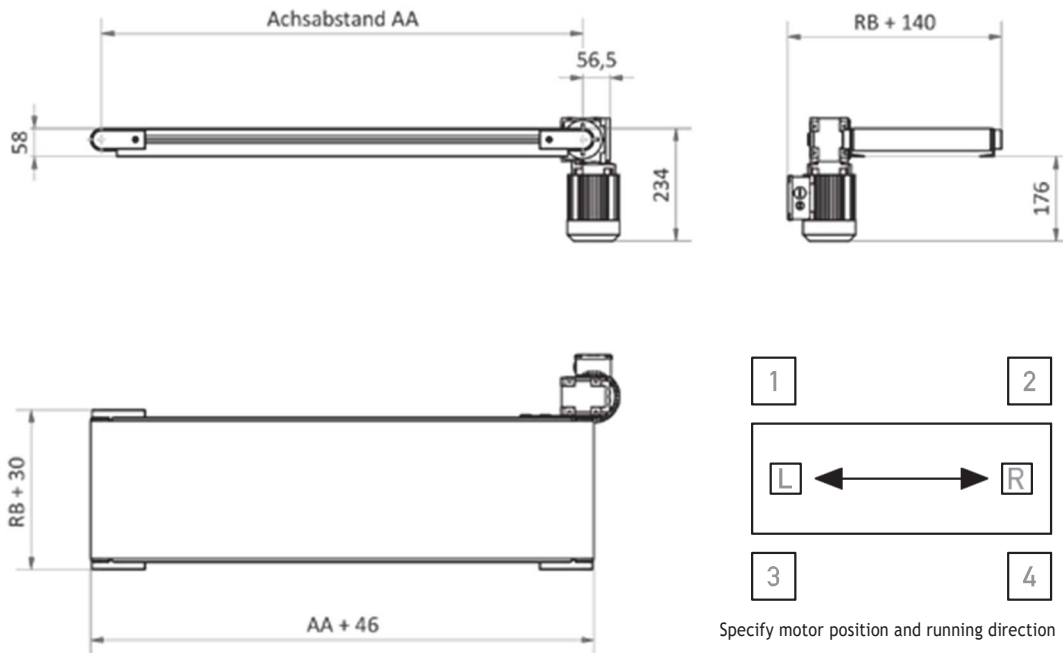
\_\_\_\_\_2.18

## **SWP-40/50**

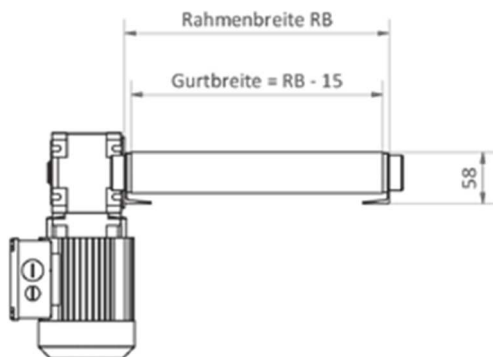
Swivel plate for conveyor-40/50\_\_\_\_\_2.19

# FBE-40

Eco-40 conveyor belt



Example



## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuff\*

max. load: 8 kg/m; 50 kg total

## Standard dimensions

center distance AA: 300 - 6000 mm\*\*

Frame Width RB: 200/300/400/500/600/700/800 mm\*\*

Belt speed: 6 m/min\*\*

Option: adjustable with frequency converter

Side guide: none\*\*

Belt design: PVC 2-ply, anthracite, non-adhesive\*\*

Belt applications: cleats\*

Grand frame for transport height (optional): 900 ±200 mm;

±30° \*\*

Voltage gear motor: 230 V or 400 V

\*Available on request

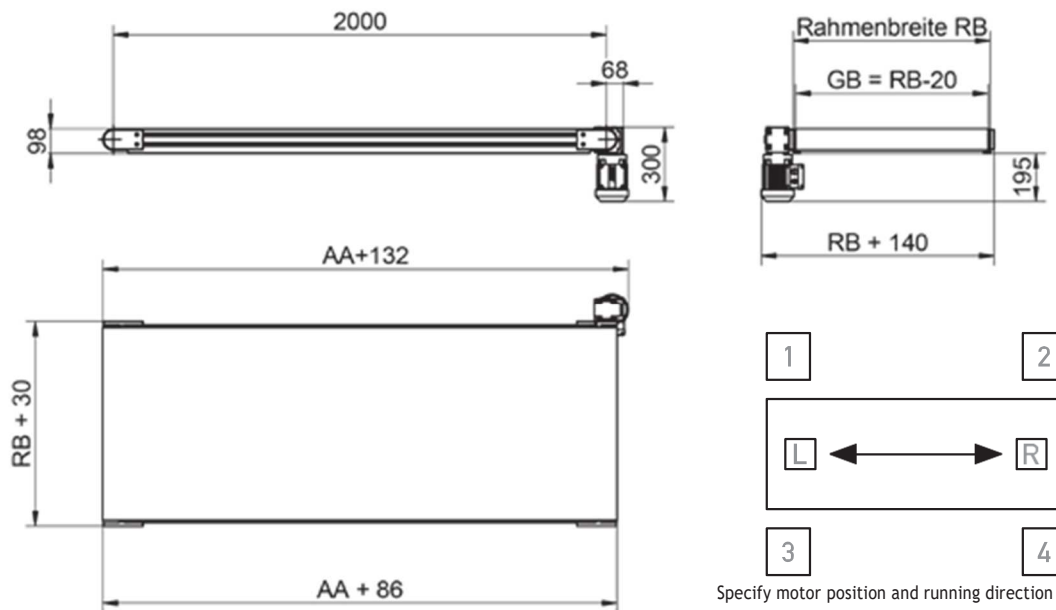
\*\*Other version technically possible: on request



Example

# FBE-80

Eco-80 conveyor belt



Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*.

max. load: 16 kg/m; 75 kg total

## Standard dimensions

center distance AA: 500 - 12000 mm\*\*

Frame Width RB: 800/1000/1200/1400/1600 mm\*\*

Belt speed: 6 m/min\*\*

Option: adjustable with frequency converter

Side guide: none\*\*

Belt design: PVC 2-ply, anthracite, non-adhesive\*\*

Belt applications: cleats\*

Grand frame for transport height (optional): 900 ±200 mm; ±30° \*\*

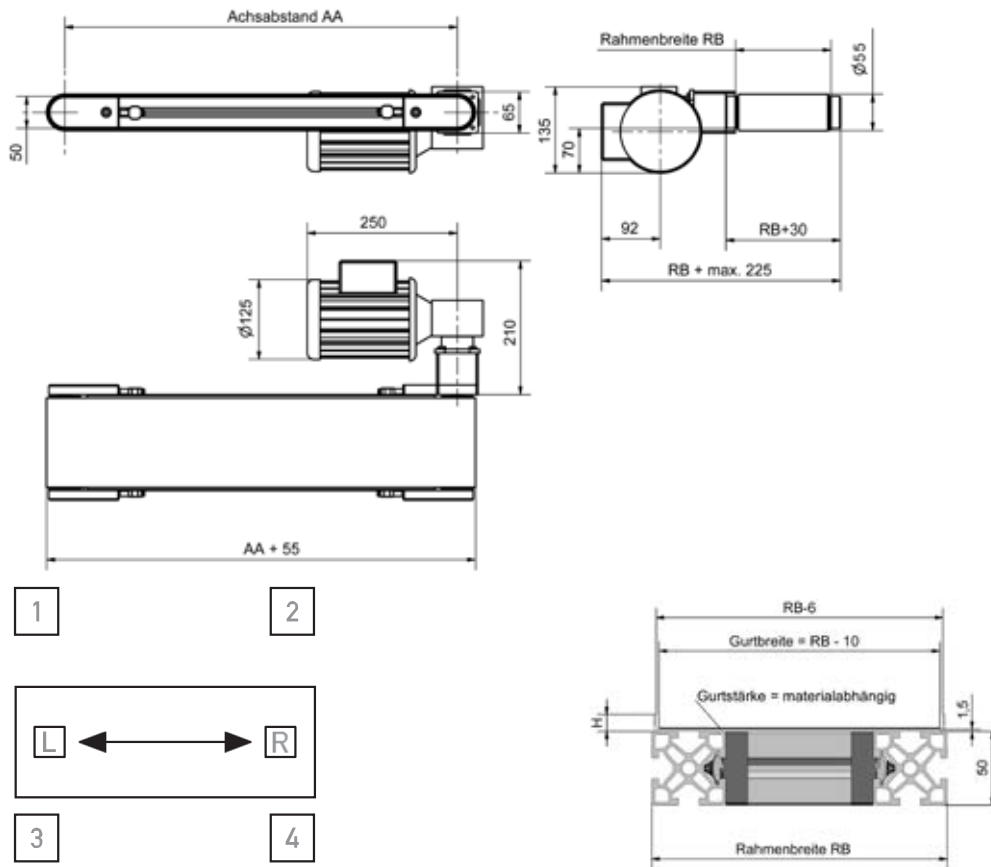
Voltage gear motor: 3 × 230/400 V

\*Available on request

\*\*Other version technically possible: on request

# FB-50-DU

Conveyor belt 50 with direct drive



Specify motor position and running direction

Example



Example

## Application

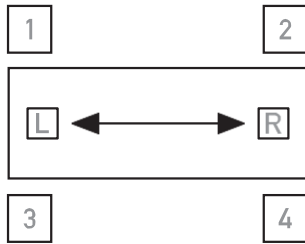
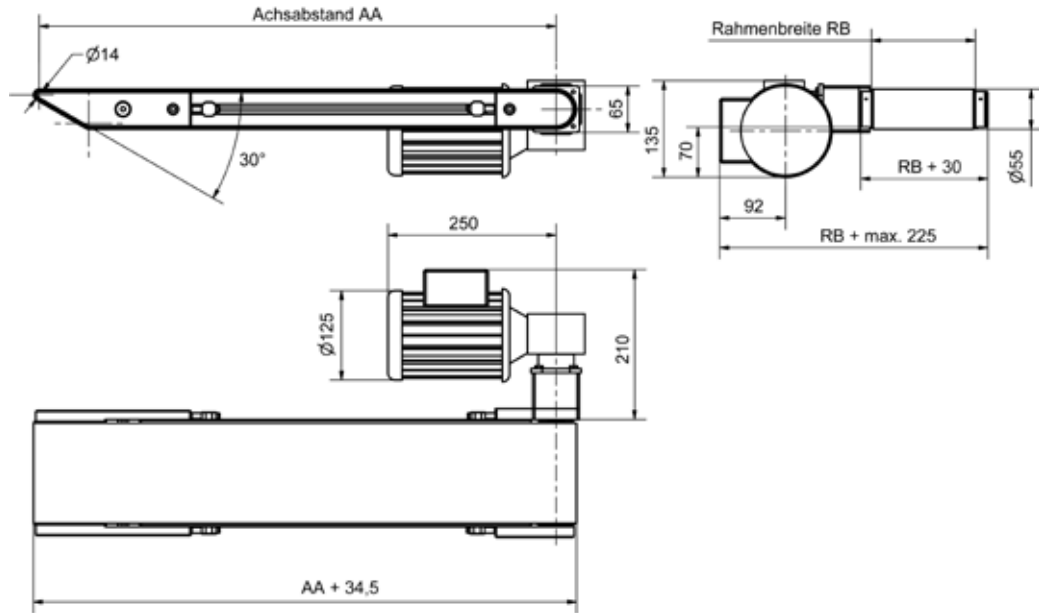
Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 16 kg/m; 75 kg total

## Standard dimensions

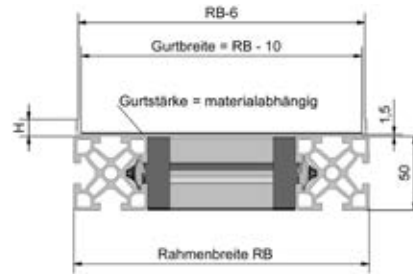
Centre distance AA: 400 - 8000 mm\*\*  
 Frame width RB: 50 mm and 100 - 800 mm\*\*  
 Belt speed: 3 - 50 m/min\*\*  
 Option: Adjustable with frequency converter  
 Side guide: 0 - 50 mm\*\*  
 Belt design: will be individually adapted to the Belt applications: cleats\* and corrugated edges  
 \*Voltage gear motor: 3 × 230/400 V  
 \*Always available on request  
 \*\*Other designs technically possible: on request

# FB-50-DM

Conveyor belt 50 with direct drive and knife edge



Specify motor position and running direction



Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*.  
max. load: 16 kg/m; 75 kg total

## Standard dimensions

Centre distance AA: 400 - 6000 mm\*\*

Frame width RB: 50 mm and 100 - 600 mm\*\*

Belt speed: 3 - 50 m/min\*\*

Option: adjustable with frequency converter

Side guide: 0 - 50 mm\*\*

Belt design: will be individually adapted to the individually adapted

Voltage gear motor: 3 × 230/400 V

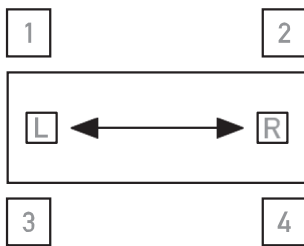
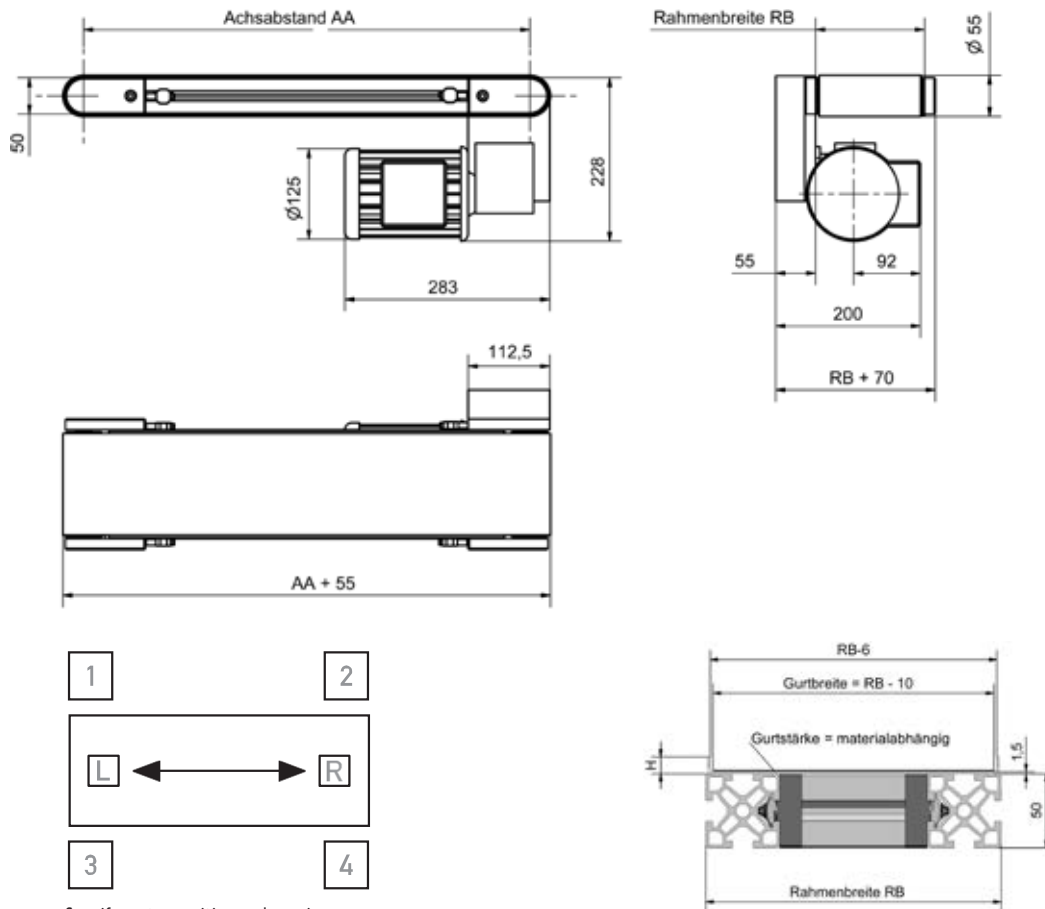
\*Available on request

\*\*Other designs technically possible: on request



# FB-50-KU

Conveyor belt 50 with head drive



Specify motor position and running direction

Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 16 kg/m; 75 kg total

## Standard dimensions

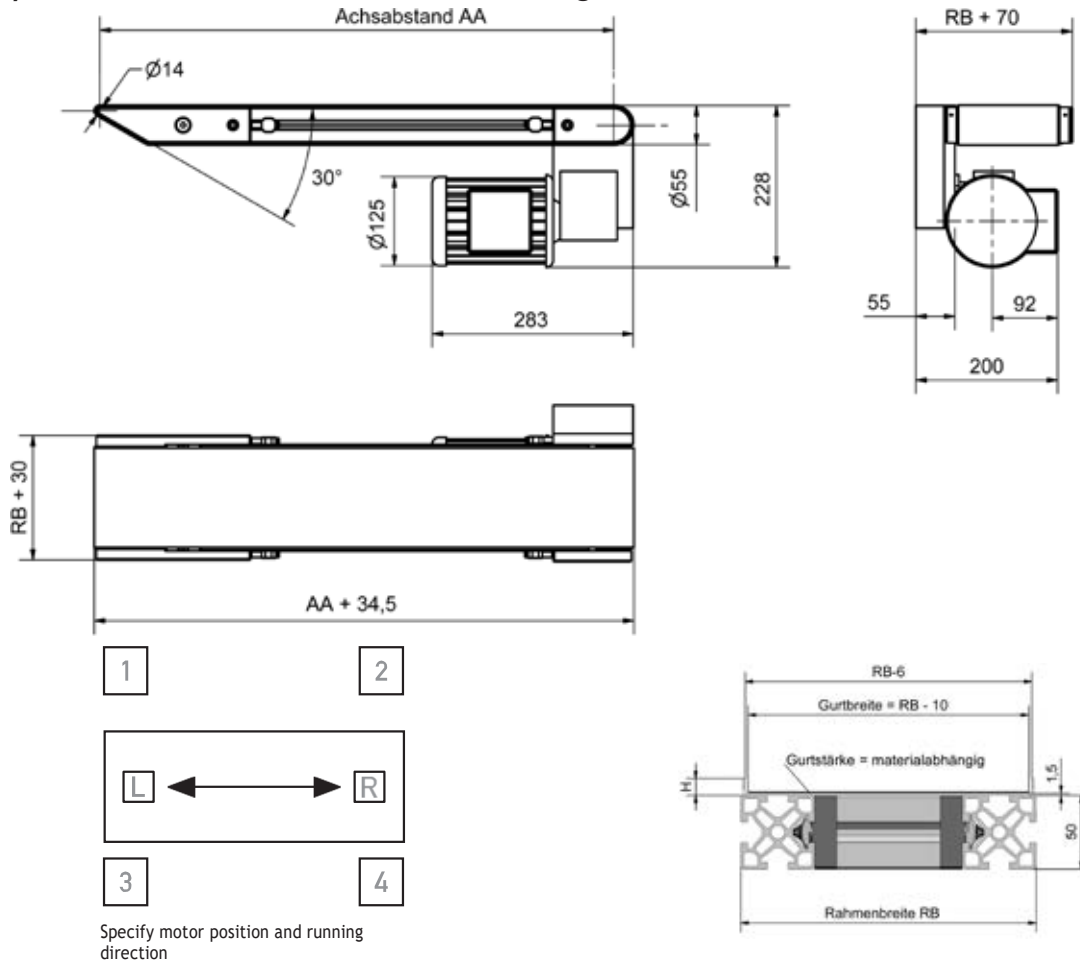
Centre distance AA: 400 - 8000 mm\*\*  
 Frame width RB: 50 mm and 100 - 800 mm\*\*  
 Belt speed: 3 - 50 m/min\*\*  
 Option: adjustable with frequency converter  
 Side guide: 0 - 50 mm\*\*  
 Belt design: will be individually adapted to the individually adapted  
 Voltage gear motor: 3 × 230/400 V

\* Available on request

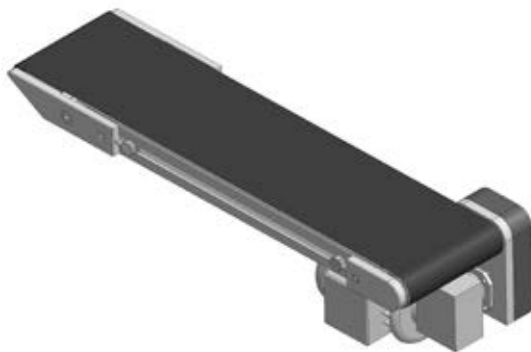
\*\*Other designs technically possible: on request

# FB-50-KM

Conveyor belt 50 with head drive and knife edge



Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 16 kg/m; 75 kg total

## Standard dimensions

Centre distance AA: 400 - 6000 mm\*\*

Frame width RB: 50 mm and 100 - 600 mm\*\*

Belt speed: 3 - 50 m/min\*\*

Option: adjustable with frequency converter

Side guide: 0 - 50 mm\*\*

Belt design: will be individually adapted to the individually adapted

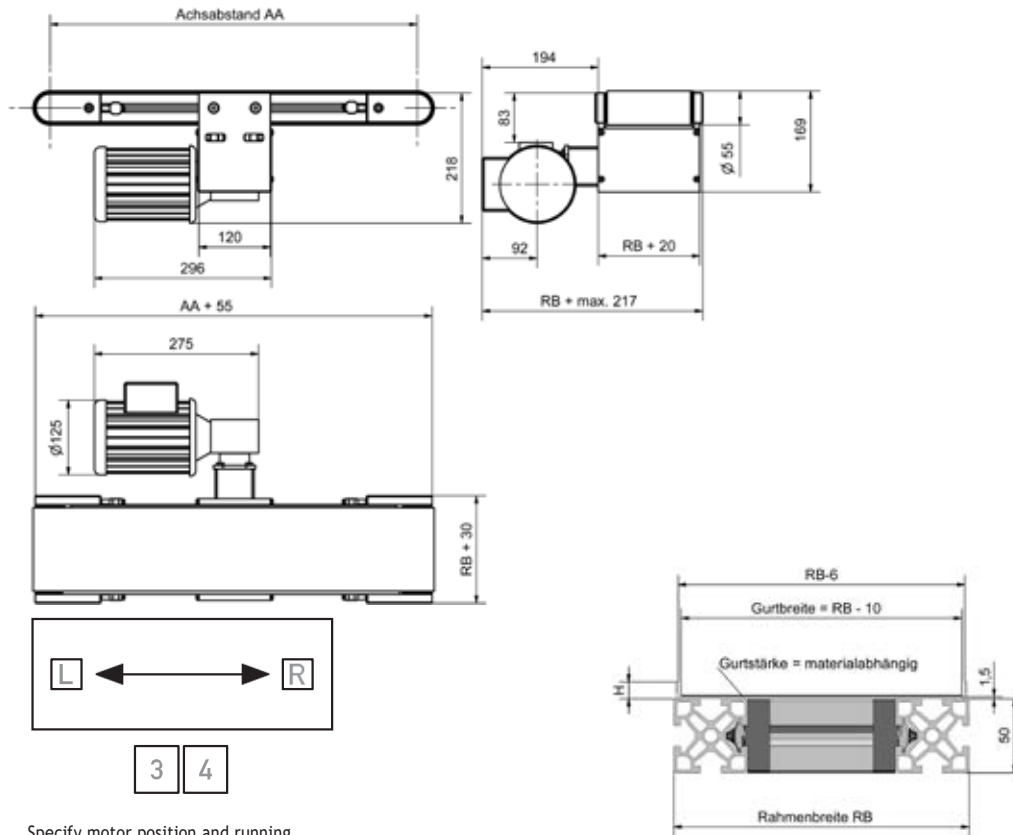
Voltage gear motor: 3 × 230/400 V

\* Available on request

\*\*Other designs technically possible: on request

# FB-50-MUU

conveyor belt 50 with middle drives



Specify motor position and running direction

Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 16 kg/m; 75 kg total

## Standard dimensions

Centre distance AA: 400 - 8000 mm\*\*

Frame width RB: 50 mm and 100 - 600 mm\*\*

Belt speed: 3 - 50 m/min\*\*

Option: adjustable with frequency converter

Side guide: 0 - 50 mm\*\*

Belt design: will be individually adapted to the individually adapted

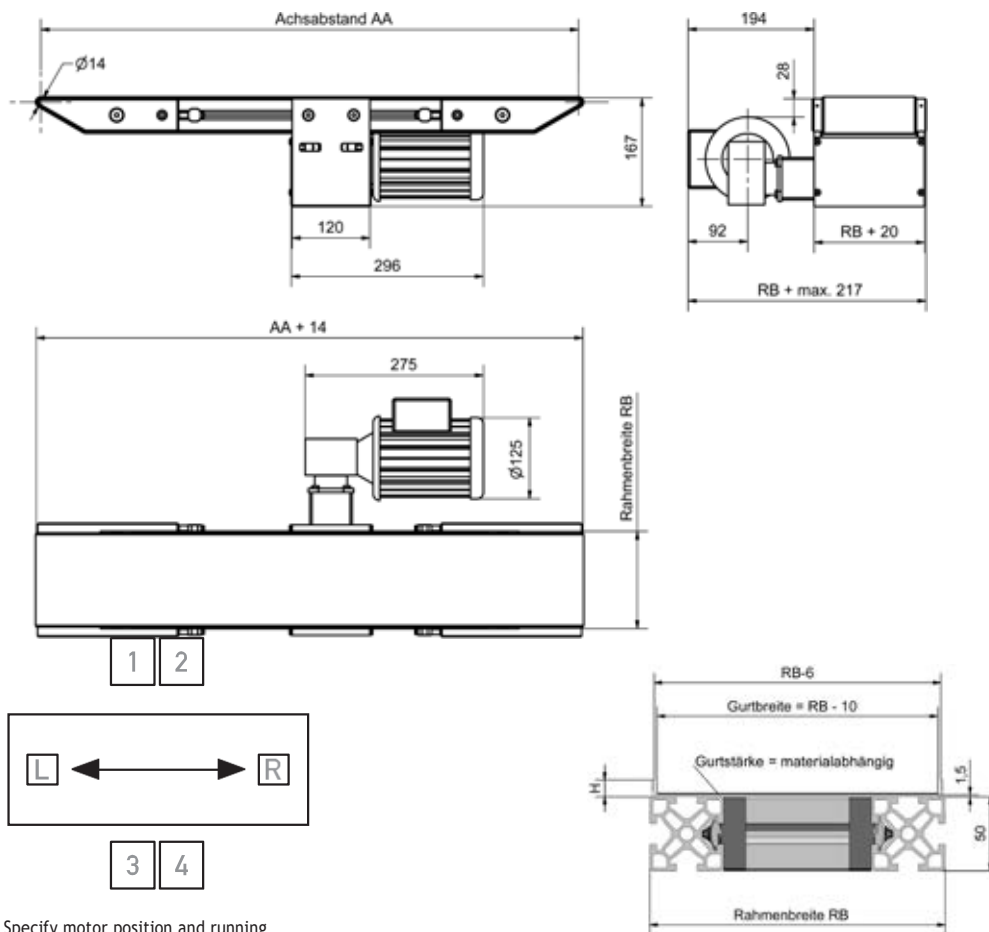
Voltage gear motor: 3 × 230/400 V

\* Available on request

\*\*Other designs technically possible: on request

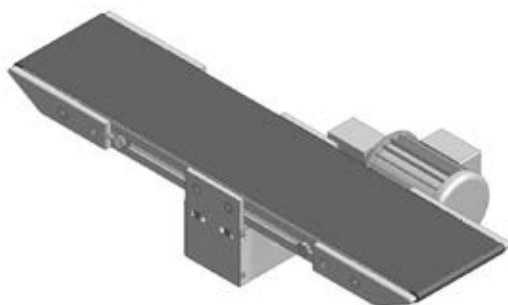
# FB-50-MMM

Conveyor belt 50 with middle drive and two knife edges



Specify motor position and running direction

Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 16 kg/m; 75 kg total

## Standard dimensions

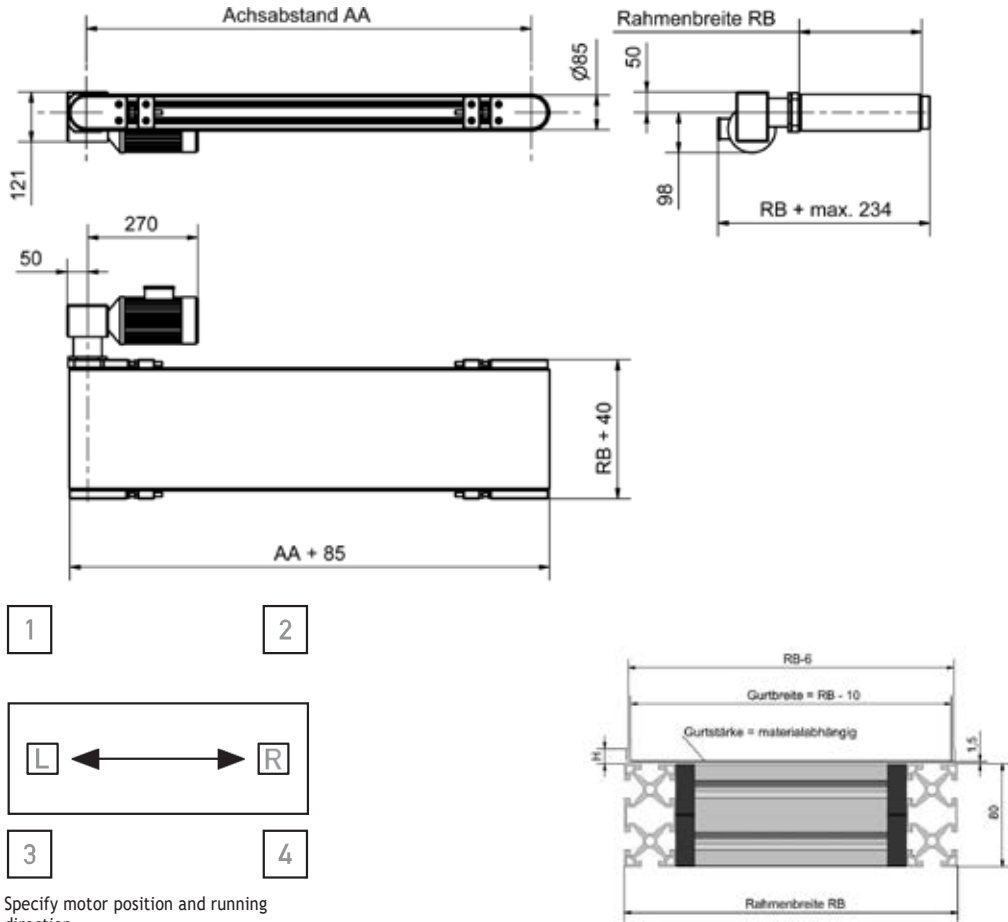
Centre distance AA: 400 - 6000 mm\*\*  
 Frame width RB: 50 mm and 100 - 600 mm\*\*  
 Belt speed: 3 - 50 m/min\*\*  
 Option: adjustable with frequency converter  
 lateral guide: 0 - 50 mm\*\*  
 Belt design: will be individually adapted to the individually adapted  
 Voltage gear motor: 3 × 230/400 V

\* Available on request

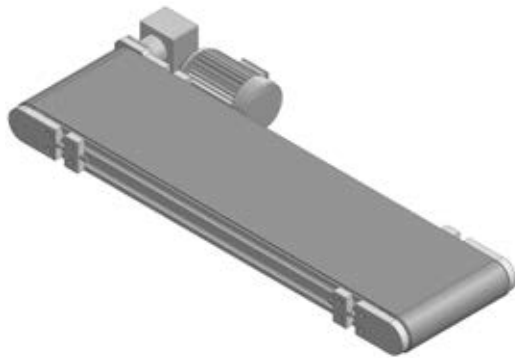
\*\*Other design is technically possible: on request

# FB-80-DU

Conveyor belt 80 with direct drive



Example



Example

## Application

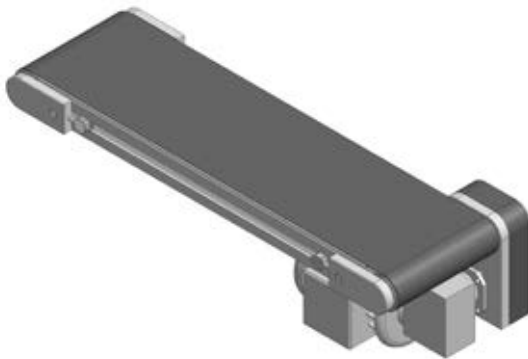
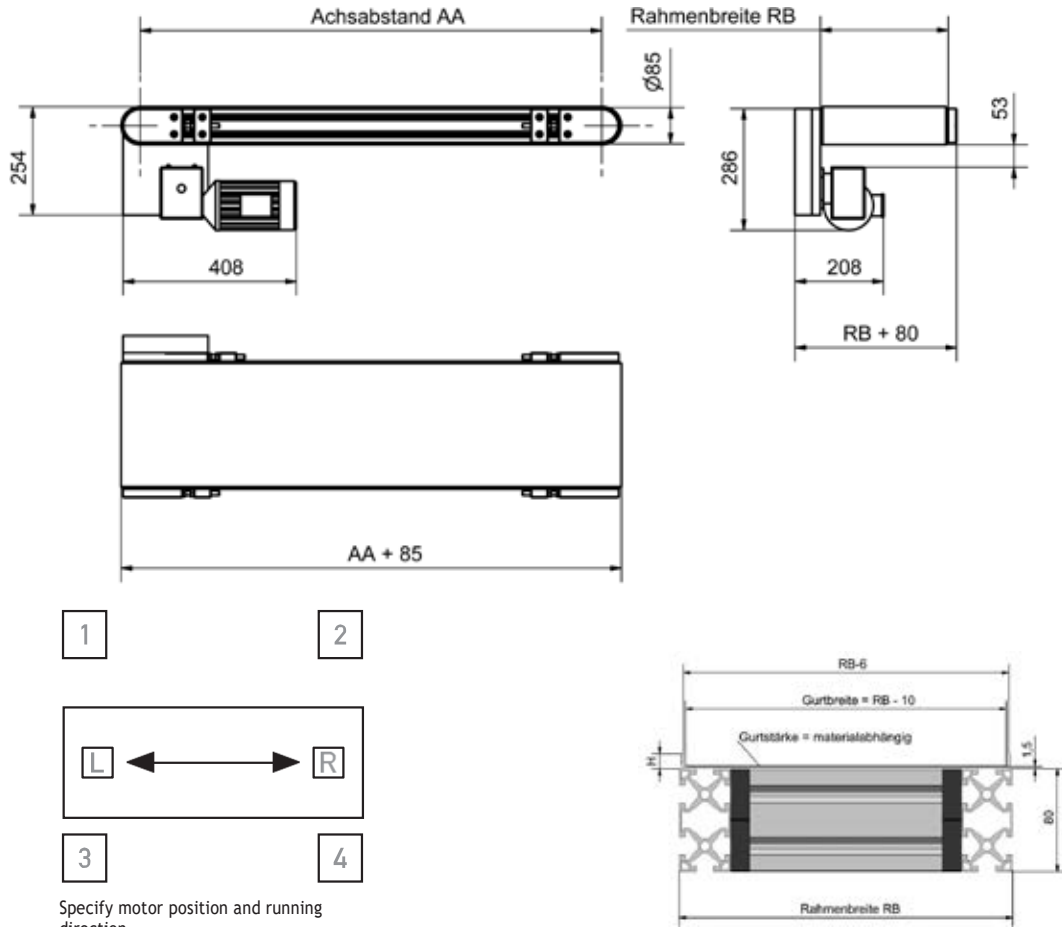
Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 20 kg/m; 100 kg total

## Standard dimensions

- Centre distance AA: 500 - 12000 mm\*\*
- Frame width RB: 40 mm and 80 - 1600 mm\*\*
- Belt speed: 6 - 50 m/min\*\*
- Option: adjustable with frequency converter
- Side guide: 0 - 50 mm\*\*
- Belt design: individually adapted to the respective application
- Belt applications: cleats\* and corrugated edges\*
- Voltage gear motor: 3 × 230/400 V
- \*\* Available on request
- \*\*Other designs technically possible: on request

# FB-80-KU

Conveyor belt 80 with head drive



Example

## Application

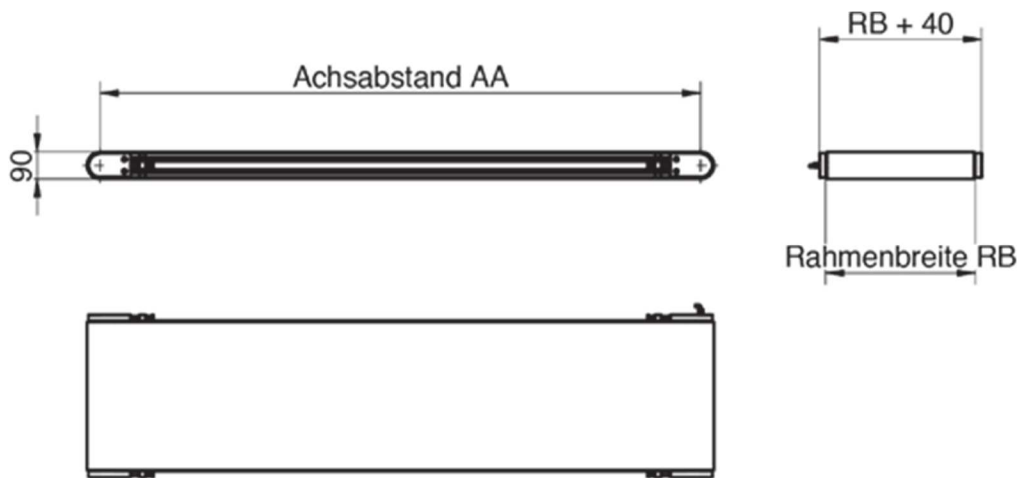
Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 20 kg/m; 100 kg total

## Standard dimensions

Centre distance AA: 500 - 12000 mm\*\*  
 Frame width RB: 40 mm and 80 - 1600 mm\*\*  
 Belt speed: 6 - 50 m/min\*\*  
 Option: adjustable with frequency converter  
 Side guide: 0 - 50 mm\*\*  
 Belt design: will be individually adapted to the application  
 Belt applications: cleats\*  
 Voltage gear motor: 3 × 230/400 V  
 \*Available on request  
 \*\*Other designs technically possible: on request

# FB-80-TU

Conveyor belt 80 with drum motor drive



Example



Example

## Application

Transport goods: packaging, non-food products, individual parts, bulk goods\* and foodstuffs\*. max. load: 20 kg/m; 100 kg total

## Standard dimensions

Center distance AA: 400 - 6000 mm\*\*

Frame width RB: 210 - 1000 mm\*\*

Belt speed: 3,9 - 60 m/min\*\*

Option: adjustable with frequency converter

Side guide: 0 - 50 mm\*\*

Belt design: individually adapted to the respective application

Belt applications: cleats\* and corrugated edges\*

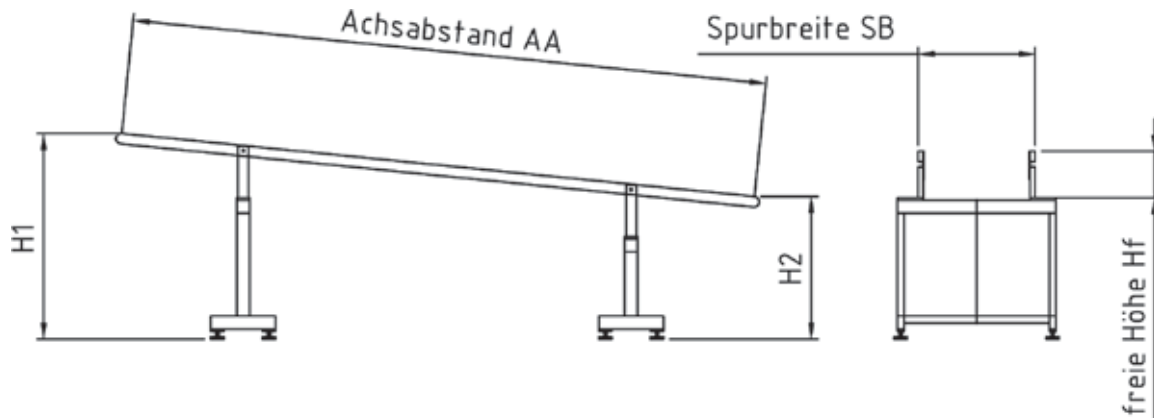
Voltage drum motor: 3 × 230/400 V

\*Available on request

\*\*Other designs technically possible: on request

# ZRF-XP

Toothed belt conveyor with XP profile



Example

Adjustment possibilities for a 4-track toothed belt conveyor



Example

## Application

Transport of goods: Transport or cooling line for simple and complex shaped (plastic) parts that are buffered, cooled or transported; e.g. bumpers with different contours that are e.g. supported product-specifically; packaging, non-food products, etc.

Max. load: 10 kg/m; 100 kg total with four tracks

## Standard Dimensions

Axle spacing AA: 400 - 12000 mm\*\*

Track width SB: 400 - 2000 mm\*\*

Fixed/mechanically adjustable or motorized adjustable; positions programmable on request

Belt speed: 6 - 20 m/min\*\*

Option: adjustable with frequency converter Toothed belt: XP-T 10 30 mm wide; with PU coating\*\* Voltage gear motor: 3 × 230/400 V

## Note

As we are specialists for toothed belt conveyors with electronically controlled adjustments, we will be pleased to configure and offer you a conveyor system tailored to your specific needs

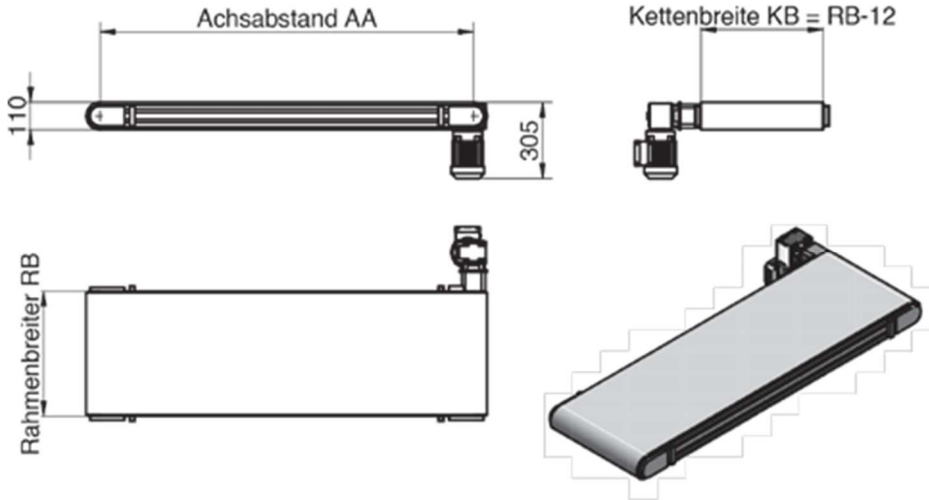
\*With pleasure on request

\*\*Other designs technically possible: on request

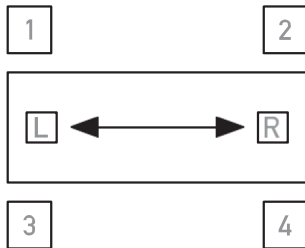


# MKFG-80

## Module chain conveyor-straight-80



Example



Specify motor position and running

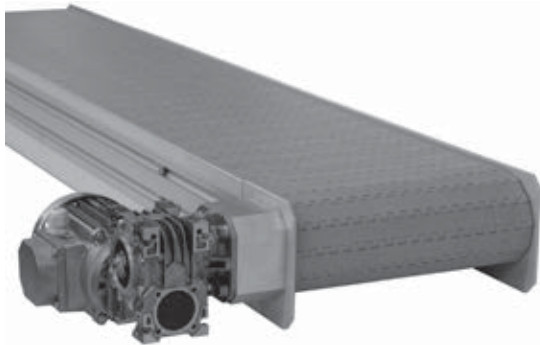
### Application

Transport line for parts that can be transported with the selected module chain (open or closed).  
e.g. cardboard boxes, filled bags, bottles, coarse-grained Material, etc.

### Version

Aluminum frame with plastic glide bars and module chain adapted to the application case  
Center distance AA: 600 - 6000 mm  
Frame width RB: 112 - 2312 mm  
Conveyor speed: 6 - 30 m/min\*  
Module chain design: is adapted to the respective Application

Grand frame: upon request  
\*Other designs technically possible on request

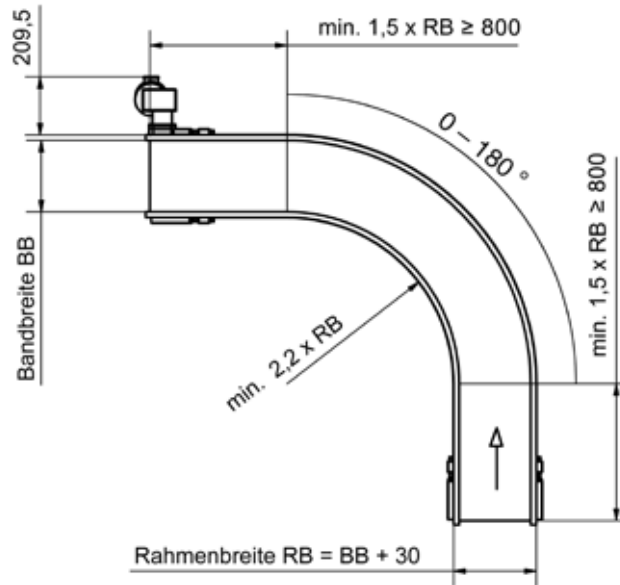


Example

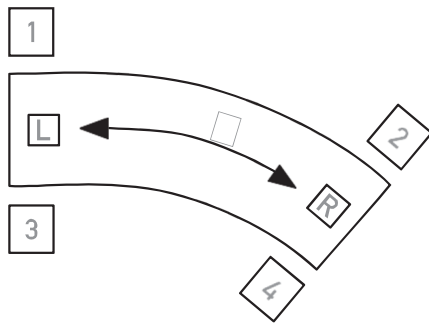


# MKFK-80

## Module chain conveyor curve-80



Example



Specify motor position and running direction

### Application

Transport line for parts that can be transported with an open link chain  
can be transported around curves  
e.g. cartons, filled bags, bottles, etc.

### Version

Aluminium frame with plastic glide bars and curved module chain  
Centre distance AA: upon request  
Frame width RB: 215 - 1015 mm  
Belt speed: 6 - 30 m/min\*  
Module chain design: will be adapted to the respective application

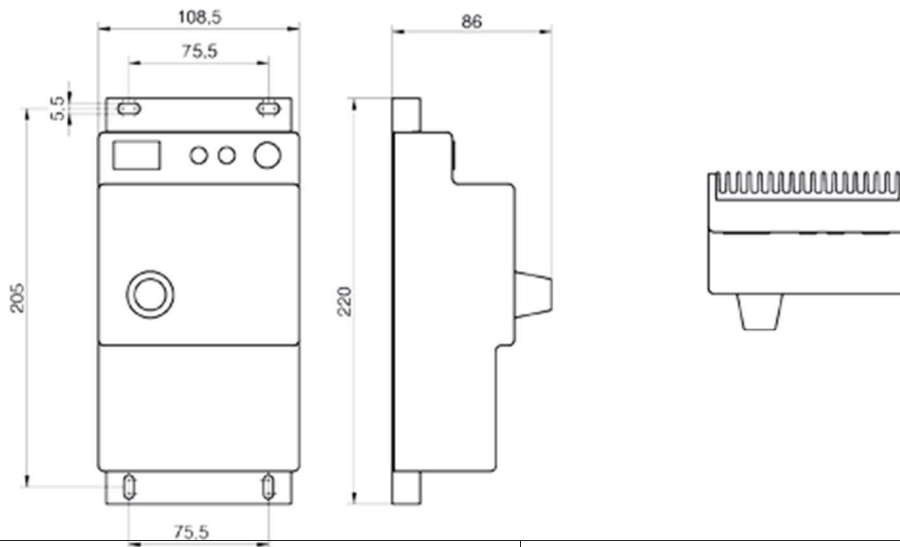
Grand frame: on request  
\*Other designs technically possible on request



Example

# FU-370-G

Frequency converter for 370 watts



### Application

Speed Controller with potentiometer for speed control of three-phase motors up to 370 Watt rated power. Housing IP-44

### Material

Plastic housing

### Technical data

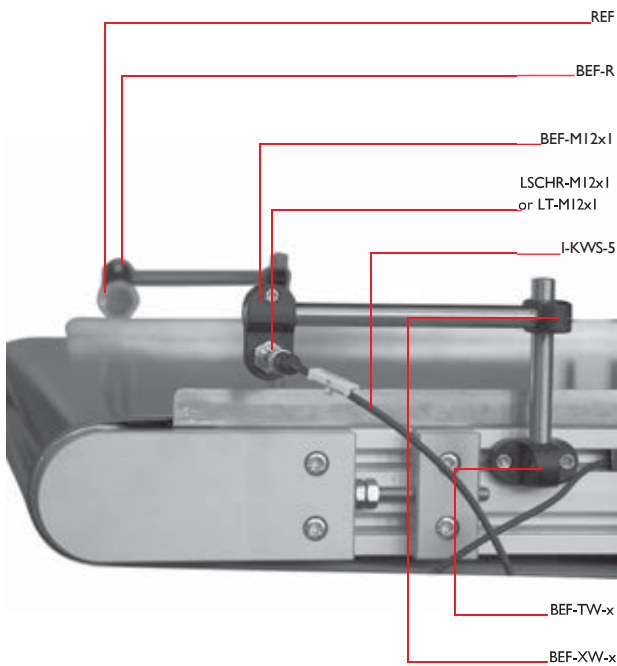
P 0,37 kW  
U<sub>E</sub> 230 V +15/-10% 50/60 Hz  
U<sub>A</sub> 3 × 230 V, 0-100 Hz

### Code

FU-370-G

# Abfragen

## Brackets



### Reflector

Code: REF

### Clamp with reflector

Code: BEF-R

### Clamp for sensors

Code: BEF-M12x1

### Light barrier (range: 2000 mm)

Requires reflector (REF)

Code: LSCHR-M12x1

### Light sensor (range: 200 mm)

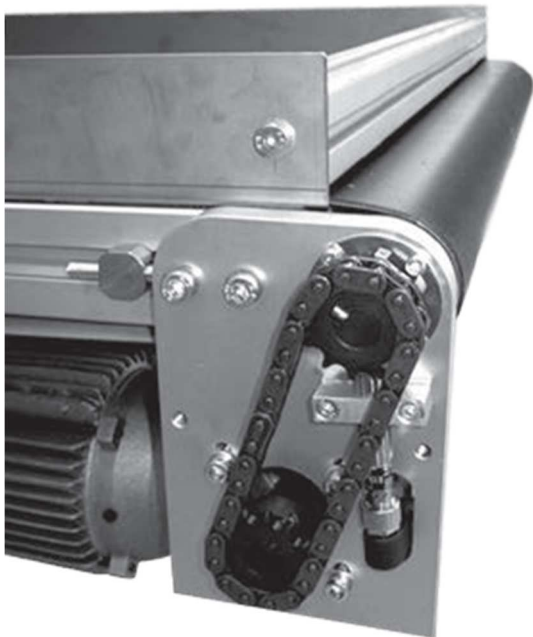
Code: LT-M12x1

### Kabel with angle plug (length: 5000 mm)

Code: I-KWS-5 [length in mm]

# BA-XX-Y

## Tape query



### Application

Motion detection sensor

### Code

For FB-50

BA-50-A drive side query

BA-50-U divert query

For FB-80

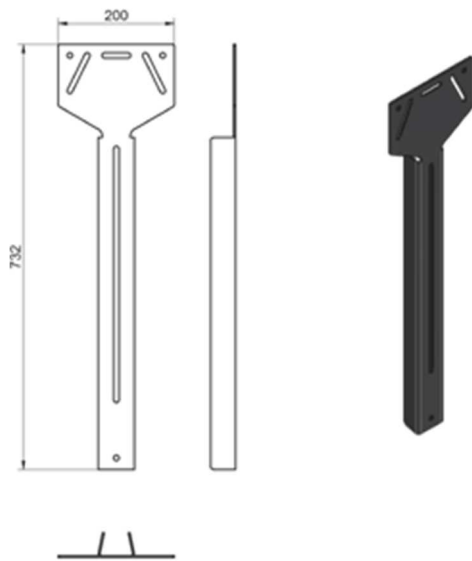
BA-80-U divert query

### Signal transmitter

I-M 12x1 8 pulses/revolution

## HV-40-400

Height adjustment-40-400 mm



### Application

Height adjustment for frame in 40/50/80 grid on 40x40 profiles

Adjustment range: Height:  $\pm 200$  mm, Gusset:  $\pm 30^\circ$

Load per foot: 1000 N

### Material

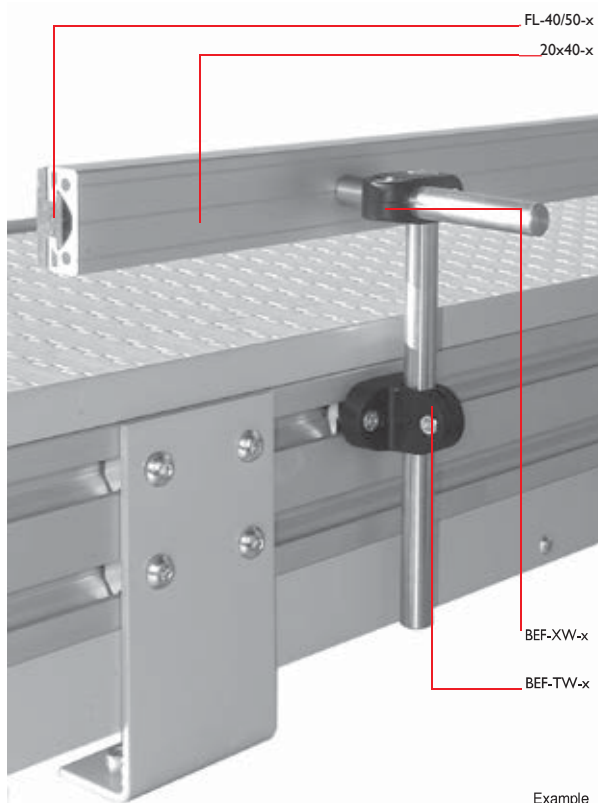
steel 3 mm

powder coated

Code	Weight
HV-40-400	2360 g



## Side guides



Example

### Side guide

Code: 20x40-x [length in mm] FL-40/50-x [length in mm]

### Clamping piece X with Aluminum shaft $\varnothing=14$

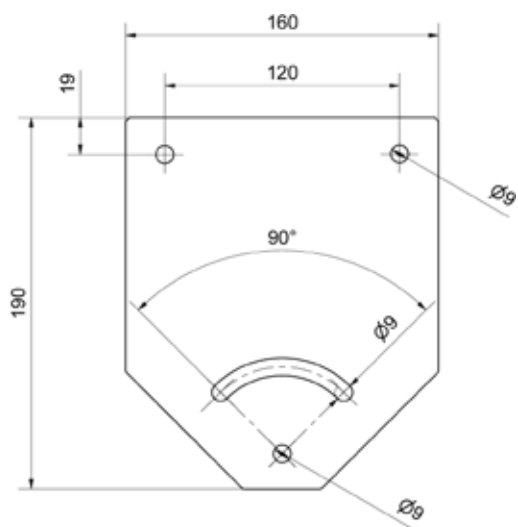
Code: BEF-XW-x

### Clamping piece T with Aluminum shaft $\varnothing=14$

Code: BEF-TW-x [length in mm]

## SWP-40/50

Swivel plate for conveyor-40/50



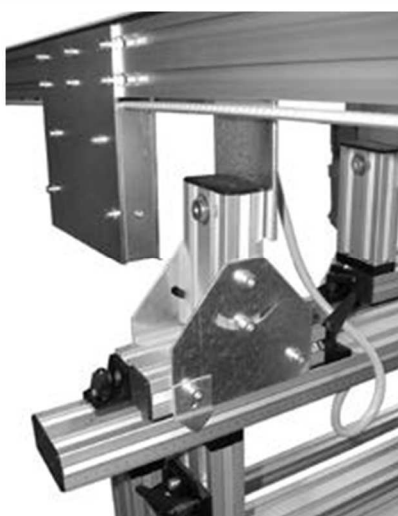
### Application

Height and angle adjustment of conveyor belts;  
swiveling attachment

### Material

Steel galvanized

Code	Weight
SWP-40/50	120 g



# Solutions for you

Tailored for your specific Application.

## Food area

Besides our standard belt conveyors built using Aluminium profiles, we also provide Stainless Steel conveyor technology (food, pharmaceutical industry, etc.) for our customers. Belts for our stainless steel Conveyors range are usually built using FDA approved materials.

### Areas of application

Confectionery, bakery, food industry, pharmaceutical industry, packaging equipment for food and beverages ...



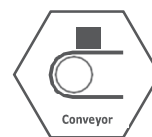
Chocolate production (NIRO)



NIRO confectionery conveyor belt with folding device and scraper knife

### Key data

- Temperature up to 110°
- Center distance: up to 6000 mm
- Frame widths: up to 1200 mm
- **Special solutions on customer request**
- Quick clamping device for lighter cleaning
- Splash-proof drives
- Aseptic coated drives
- Additional attachments such as vibrators, scales, etc.

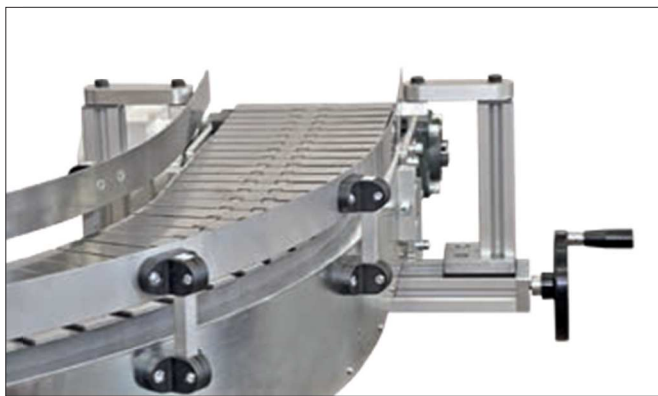


# Solutions for you

Tailored for your specific Application.

## Special solutions

We will be pleased to realize special solutions and complete transport systems for your special application (on request with gradient and integration in the existing system).



Curved steel link chain conveyor with mechanically synchronously adjustable side guides



### Key data

- Steel conveyor belt
- Suitable for outdoor use
- Center distance: 5000 mm
- Frame Width: 2300 mm
- Application: paper waste transport





# Workplace

Ergonomic and individual.

## Work table

### Work table electrically Height adjustable

Böma Standard-Version \_\_\_\_\_ 3.02

### Work table

Böma Standard-Version \_\_\_\_\_ 3.03

## Workplace

### Workplace

Böma individual Version \_\_\_\_\_ 3.04

## Accessories

Cup holder \_\_\_\_\_ 3.07

Monitor mount Vesa 75-100 \_\_\_\_\_ 3.06

BÖMALight \_\_\_\_\_ 3.05

ESDKIT \_\_\_\_\_ 3.06

Spring balancer  
for tools \_\_\_\_\_ 3.06

Tote holder \_\_\_\_\_ 3.06

Louvre panel \_\_\_\_\_ 3.05

Pneumatic supply unit \_\_\_\_\_ 3.07

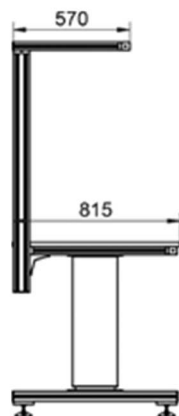
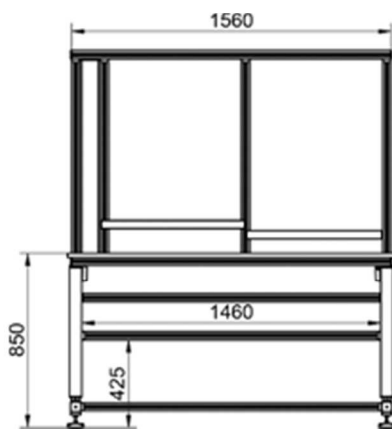
Drawer base cabinets \_\_\_\_\_ 3.07

Display board holder \_\_\_\_\_ 3.05

Under table PC mount  
With shifting unit \_\_\_\_\_ 3.05

# Work table (electrically height adjustable)

Böma Standard-Version



Ergonomic standard Work Table (Electric Height Adjustable)

## Facts

Stable Light Construction

- BÖMA Construction kit profiles ensure light handling

Electrical Height Adjustment

- Easy height adjustment with one hand switch

Workplace Lighting

- BÖMA Light" offers you TOP lighting conditions at the Workplace
- Dimmable Light.

Integrated Cable Duct

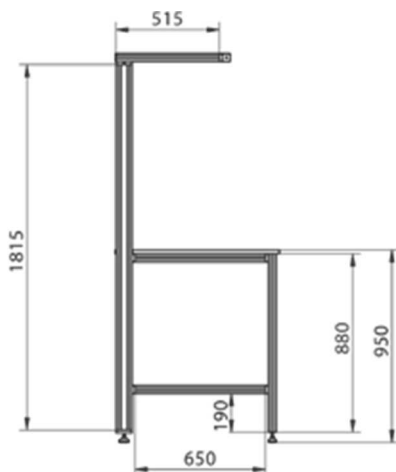
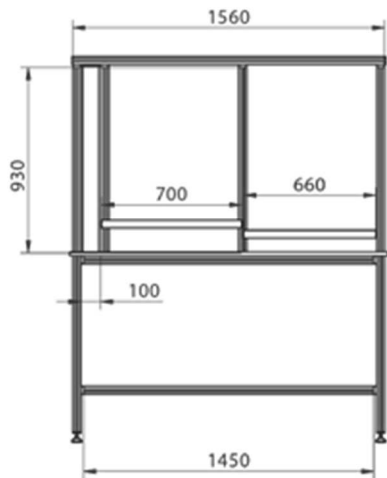
- As a standard an Aluminium cable duct is vertically mounted

Standard Table Top

- Maintenance free and durable HPL laminate top

# Work table

Böma Standard-Version



Ergonomic Standard Work Table

## Facts

Stable Light Construction

- BÖMA Construction kit profiles ensure light handling

Workplace Lighting

- BÖMA Light" offers you TOP lighting conditions at the Workplace
- Dimmable Light!

Integrated Cable Duct

- As a standard an Aluminium cable duct is vertically mounted

Standard Table Top

- Maintenance free and durable HPL laminate top

# The individual Workplace

Individual versions from BÖMA

**Standard is not your thing?  
Individually adapted for a special operation?  
No problem for us!**

Contact us and we will develop a bespoke workplace for you based on your wishes and ideas.

**Individual  
Version!**





### BÖMA Light

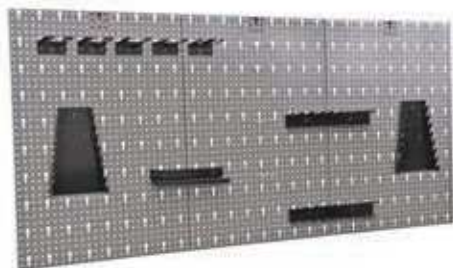
Dimmable BÖMA Light  
Workplace lighting (according to company regulations)

- High power LED integrated in the profile groove
- Different versions
- Length variable in 10 cm steps



### Under table PC mount with shifting unit

- Clamping device for all common PC towers
- Several mounting holes provided
- 360° swiveling
- Extendable mediums integrated rail system



### Louvre Panel

- Different tool holders
- Different sizes
- Different colours



### Display board holder

- incl. ten A4 display boards with tabs
- Multifunctional use as table module or with wall mounting possible
- Integrated peg mechanism
- Size: W/H/D 252/395/158 mm



### Tote Mounting

- Different sizes
- Different colours



### ESD KIT

- Consisting of:
- 1 × central grounding point
  - 1 × ESD table mat 610 × 900 × 1.5 mm, black
  - 1 × grounding cable for table mat
  - 1 × grounding module for personal grounding
  - 1 × spiral cable 1.8 m, blue
  - 1 × SI-04-B wrist strap, blue
  - 1 × ESD area sign 150, 300 × 150 mm



### Screen holder Vesa 75–100

- Angle adjustment
- Easily extendable
- Individually adjustable



### Spring balancer for tools

- Steel cable  $\varnothing$  2,5 mm
- Possible weight range 2-15 kg
- Fall protection
- Incl. Carabiner



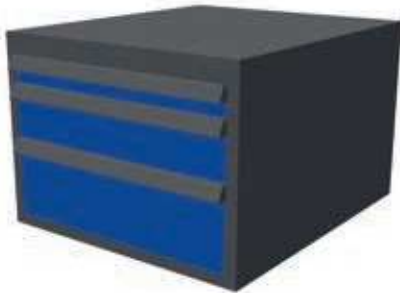
#### Pneumatic supply unit

- Venting couplings G 3/8.2 mm
- Plug nipple G 1/2
- SFP-40/80-Z
- Profiles 40x80



#### Cup holder

- For safe placement of a bottle, can or for hanging a device (e.g. a drill)
- Outside diameter: 100 mm
- Material: Plastic PA

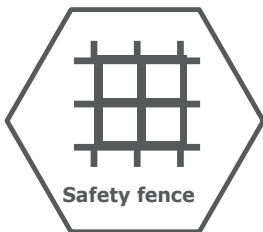


#### Different Drawer base cabinets

- Different number of drawers and height on request
- Suitable for under sink mounting

**Desired components can be additionally  
integrated on request**





# Safety fence

Safety and individuality at work

## Aluminum profiles

### SBT-2000

Aluminum-sliding door in grid width 2000 mm \_\_\_\_\_ 4.03

### SE-X

Aluminum-Safety fence element \_\_\_\_\_ 4.02

### SWT-X

Aluminum-Swivel door \_\_\_\_\_ 4.04

## Steel grooved profiles

### ISBT-2000

Steel-sliding door \_\_\_\_\_ 4.06

### ISE-X

Steel-Safety fence element \_\_\_\_\_ 4.05

### ISWT-1000

Steel-Swivel door \_\_\_\_\_ 4.07

## Accessories

### BBS-40

Floor fastening bolt \_\_\_\_\_ 4.14

### BOV-40/50

Floor lock-40/50 \_\_\_\_\_ 4.08

### BWA-40/50

Steel floor angle-40/50 \_\_\_\_\_ 4.08

### BWT-40/50-ISE

Steel floor angle T-profile-40/50 \_\_\_\_\_ 4.09

### GH-40/50

Mesh holder-40/50 \_\_\_\_\_ 4.10

### PTS-40/50

Panic lever lock-40/50 \_\_\_\_\_ 4.11

### SLA-12

Heavy duty anchor M12-50 mm \_\_\_\_\_ 4.14

### V-40-S

Connector-40 for Steel grooved profiles \_\_\_\_\_ 4.11

### VP-40

Connection plate-40 \_\_\_\_\_ 4.12

### VP-40 UV-E

Connection plate-40 captive with easy quick fixation \_\_\_\_\_ 4.13

### VP-40 UV-D

Connection plate-40 captive with double quick fixation \_\_\_\_\_ 4.13

### WG-40

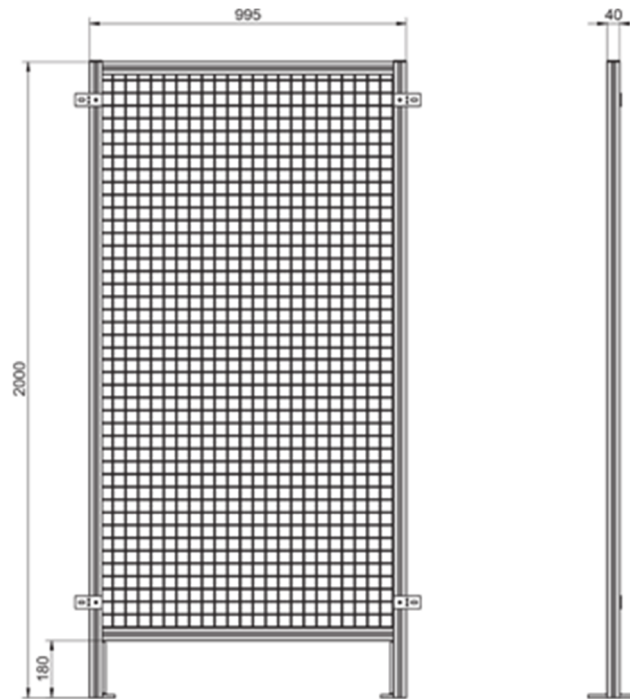
Woven mesh-40 mm \_\_\_\_\_ 4.10

## Technical information

Technical information \_\_\_\_\_ 4.15

# SE-X

## Aluminum-Safety fence element



### Description

Protective element in standard widths and customized widths; floor fixing with 12 mm heavy duty anchor or glued anchor; connection to next element by means of two pieces of connection plate VP-40; each protective element is delivered fully assembled (profile, Connector, Woven mesh, Mesh holder, End caps, one or two Ground angle\*\*, Connection platen)

### Material

Aluminum Profile 40x40\*  
Woven mesh 40x40x4 Galvanized steel\*  
Ground angle Steel powder coated

Code	Grid width	Element width	Weight
SE-500	500 mm	495 mm	11 kg
SE-800	800 mm	795 mm	13,5 kg
SE-1000	1000 mm	995 mm	15 kg
SE-1500	1500 mm	1495 mm	19 kg

### Custom Width

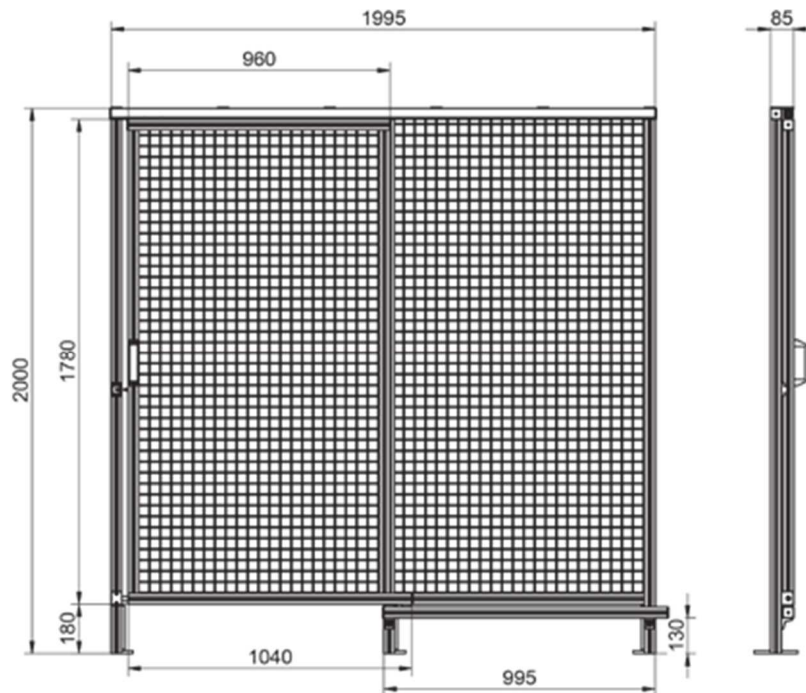
SE-[X in mm\*\*\*]

\*Powder coating in RAL colours possible

\*\*starting with SE-1000 two Ground angle BWT-40 are supplied with the unit\*\*\*X from 200 bis 1499 mm

## SBT-2000

Aluminum-sliding door in grid Width 2000 mm



### Description

Sliding door for safety application with an opening width of 960 mm; each sliding door is delivered fully assembled (profiles, connector, woven mesh, mesh holder, cover caps, ground angle, connection plates, Grip handle, sliding door guide, sliding door set, sliding door centring)

### Material

Aluminum profile 40x40\*  
Sliding door set  
Woven mesh 40x40x4 Steel galvanized\*  
Ground angle Steel powder coated

### Code

Code	Weight
SBT-2000-L (Handle outside left)	26 kg
SBT-2000-R (Handle outside right)	26 kg

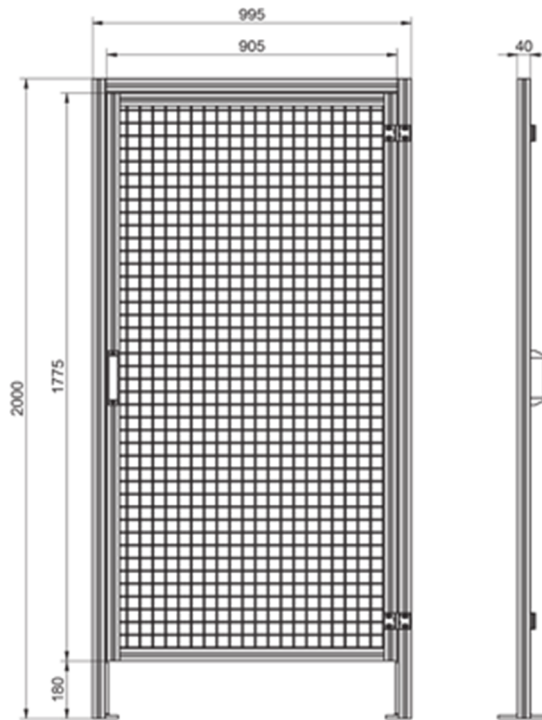
### Note

Other element widths are also available on request available

\* Powder coating in RAL shades possible

# SWT-X

Aluminum-  
Swivel door



### Description

Swivel door for safety application with an opening width of X-85 mm; X = 500 to 1200 mm

Each swivel door is delivered fully assembled (profiles, connector, woven mesh, mesh holder, end cap, bottom angle, connection plates, door hinges, Grip handle, ball catch); clear width: 905 mm

### Material

Aluminum profile 40x40\*

Woven mesh 40x40x4 Galvanized steel

Ground angle Steel powder coated

### Code:

	Width	Weight
SWT-1000-L (Handle outside left)	995 mm	23 kg
SWT-1000-R (Handle outside right)	995 mm	23 kg
SWT-X-L (Handle outside left)	X-5 mm	
SWT-X-R (Handle outside right)	X-5 mm	

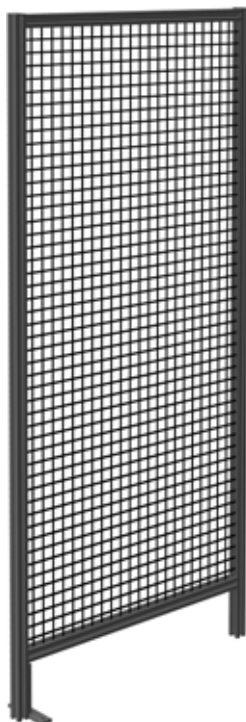
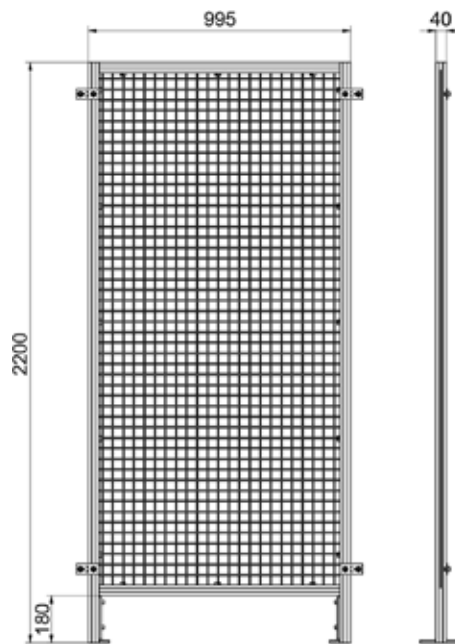
### Note

Safety switch or special door interlocks available on request

\*Powder coating in RAL shades possible

# ISE-X

Steel-Safety fence element



## Description

Each protection element is delivered fully assembled (profiles, connector, mesh, mesh holder, end caps, one or two ground angle\*\*, connection plates)

## Material:

Steel grooved profile 40x40-S\*  
 Mesh 40x40x4 Steel galvanized\*  
 Ground angle steel powder coated

Code	grid Width	Width	Weight
ISE-500	500 mm	495 mm	16,5 kg
ISE-800	800 mm	795 mm	20 kg
ISE-1000	1000 mm	995 mm	23 kg
ISE-1500	1500 mm	1495 mm	30 kg

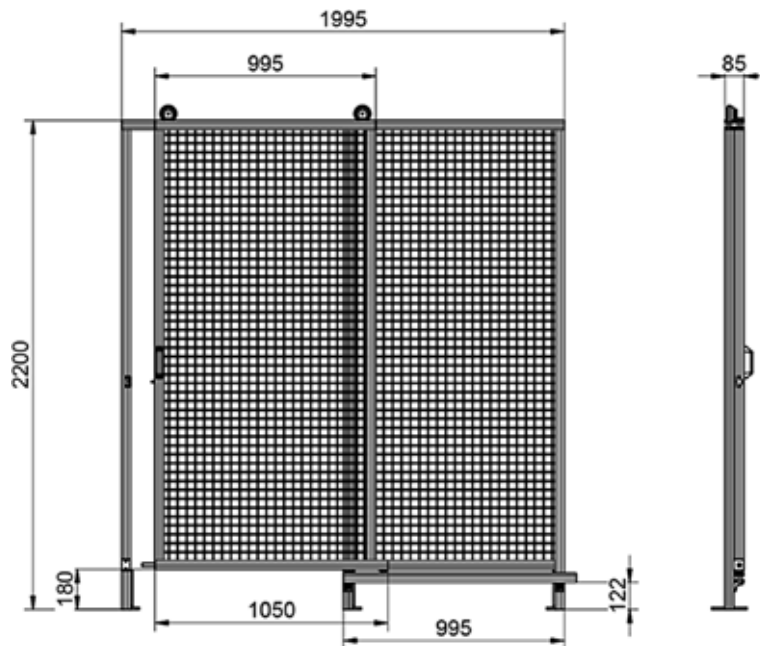
## Custom Width

ISE-(X in mm\*\*\*)

\*Powder coating in RAL colours possible (can be edited at Traceparts)  
 \*\*starting with ISE-1000 two Ground angle BWT-40 are supplied with the machine  
 \*\*\*from 200 - 1499 mm

# ISBT-2000

Steel-sliding door



## Description

Sliding door for safety application with an opening width of 957 mm; each sliding door is delivered fully assembled (profiles, connector, woven mesh, mesh holder, cover caps, ground angle, connection plates, Grip handle, sliding door centring)

## Material

Steel grooved profile 40x40-S\*  
Mesh 40x40x4 Steel galvanized\*  
Ground angle steel powder coated

## Code

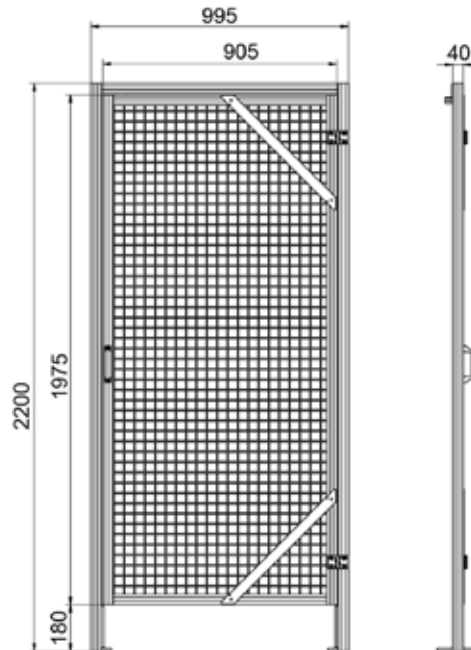
ISBT-2000-L (Handle outside left)  
ISBT-2000-R (Handle outside right)

Weight  
45 kg

Other element widths are available upon request  
\*Powder coating in RAL shades possible

# ISWT-1000

Steel-Swivel door



## Description

Each swivel door is delivered fully assembled (profiles, connector, woven mesh, mesh holder, end caps, bottom casting set, connection platen, strut, door hinges, iron handle, ball catch); clear Width: 905 mm

## Material

Steel grooved profile 40x40-S\*  
Mesh 40x40x4 Steel galvanized\*  
Ground angle steel powder coated

## Code

Code		Weight
ISWT-1000-L	(Handle outside left)	35 kg
ISWT-1000-R	(Handle outside right)	35 kg

## Custom Width

ISWT- (X in mm\*\*)

## Note

Max. door frame Width 1000 mm

\*Powder coating in RAL shades possible  
\*\*from 500 - 999 mm



## BOV-40/50

Floor lock-40/50



### Application

Floor lock for locking of mobile conveyor belts and devices; mounting on vertical BÖMA profiles

### Material

Galvanized Steel

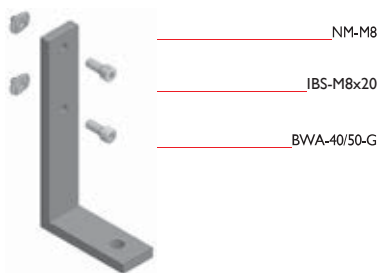
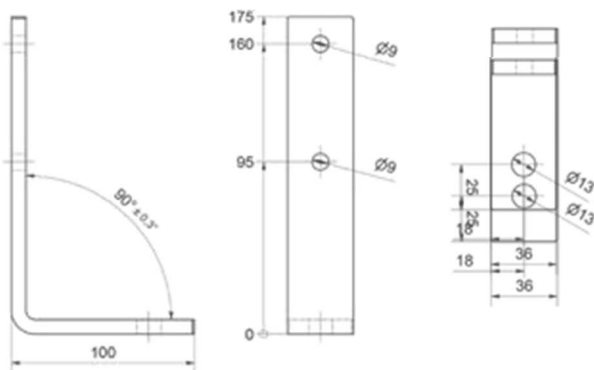
### Set

BOV-40/50	Designation
1 ×	BOV-40/50-G
4 ×	SKS-M6x16
4 ×	NM-M6

<b>Code</b>	<b>Weight</b>
BOV-40/50	1367 g

## BWA-40/50

Floor fixing - L 40/50



### Application

Floor Fixing for devices and safety fence element

### Material

Steel coated

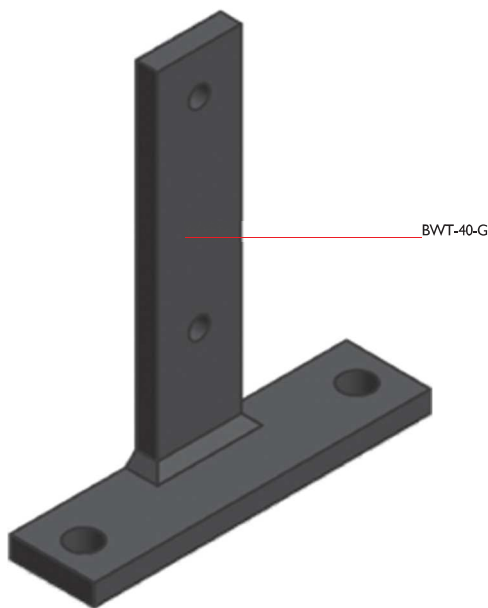
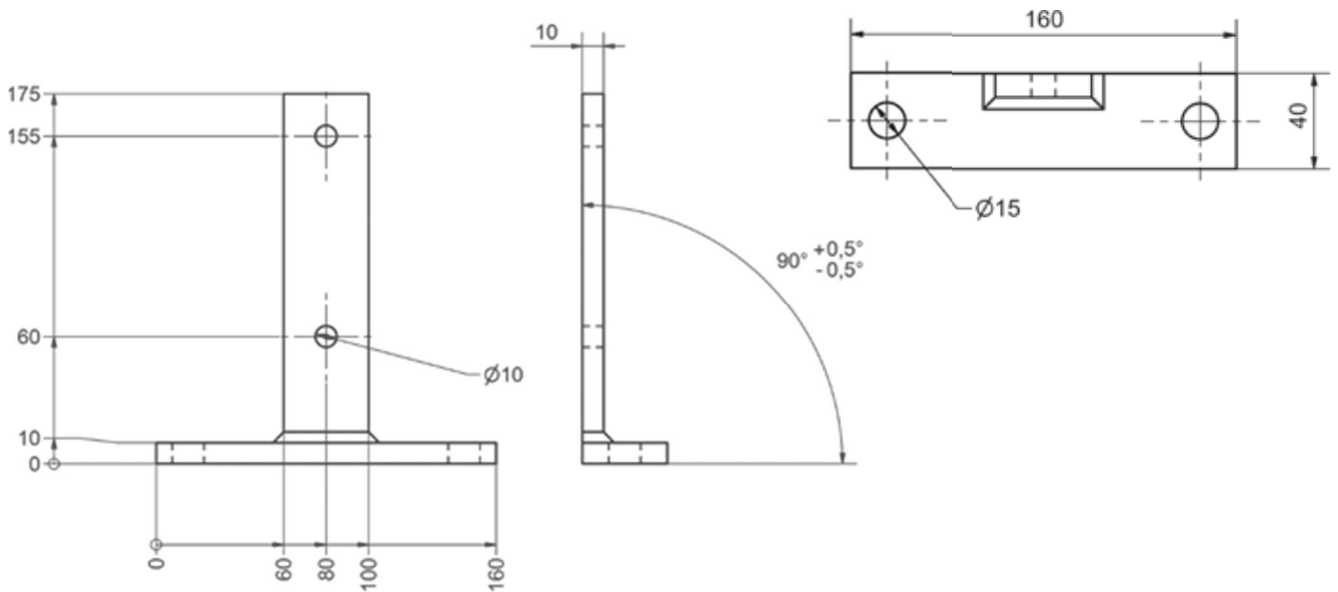
### Set

BWA-40/50	Designation
1 ×	BWA-40/50-G
2 ×	NM-M8
2 ×	IBS-M8x20

<b>Code</b>	<b>Weight</b>
BWA-40/50	615 g

# BWT-40/50-ISE

Floor fixing – T 40/50



## Application

Floor Fixing for protective fence element made of Aluminum Profile or Steel Grooved Profile

## Material

Steel coated

## Set

BWT-40/50-ISE Designation

1 × BWT-40/50-G

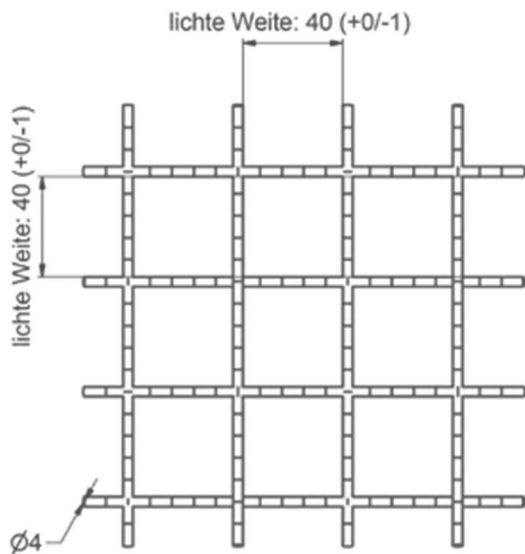
incl. Profile fastening; without floor fastening

**Code** Weight

BWT-40/50-ISE 1003g

## WG-40

Woven mesh-40 mm



### Application

Woven mesh for protective devices; cut according to customer requirements

### Material

Galvanized Steel; 40 × 40 × 4 geflochten

### Lagermaße

1500 × 2000 mm

2000 × 3000 mm

### Code

WG-40-(l × b) 4,75 kg/m<sup>2</sup>

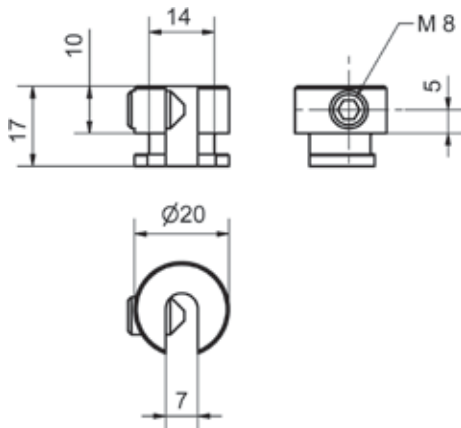
l: length in mm, b: Width in mm

### Note

Woven mesh can also be supplied powder coated (Specify RAL colour); other grille types on request

## GH-40/50

Mesh holder-40/50



### Application

Stable fastening of woven mesh in profile frames

### Grid cutting

Clear height of the frame + 20 mm clear width of the frame + 20 mm

### Material

Galvanized Steel

### Set

GH-40/50 Designation

1 × GH-40/50-G

1 × GS-M8x10-S

### Code

GH-40/50 27 g

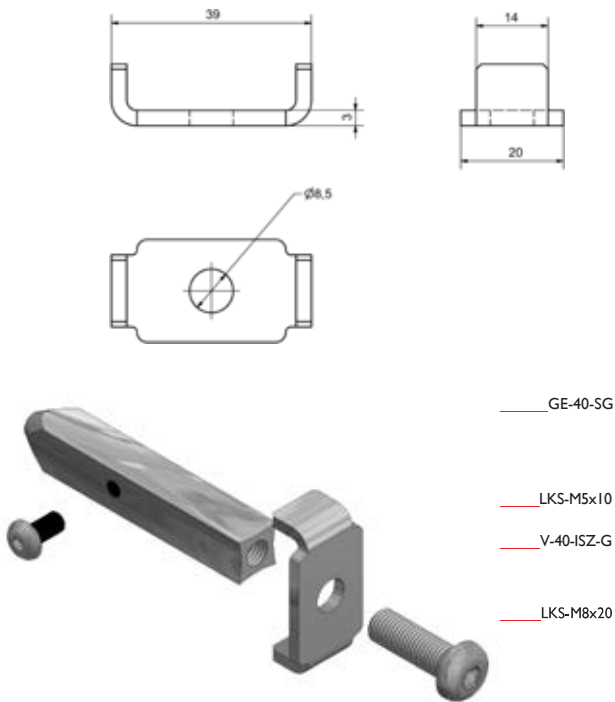
### Note:

Mesh holder can be swiveled in afterwards



## V-40-S

Connector-40 for Steel grooved profiles



### Application

90° - connection from steel grooved profiles

### Attention

With the help of the drilling template BS-40, cross holes  $\varnothing=5,5$  and  $\varnothing 10$  are set.

### Material

Galvanized Steel

### Set

V-40-ISZ	Designation
1 ×	V-40-S-G
1 ×	GE-40-SG
1 ×	LKS-M8x20
1 ×	LKS-M5x10

Code:	Weight
V-40-ISZ	74 g

## PTS-40/50

Panic lever lock-40/50



### Description

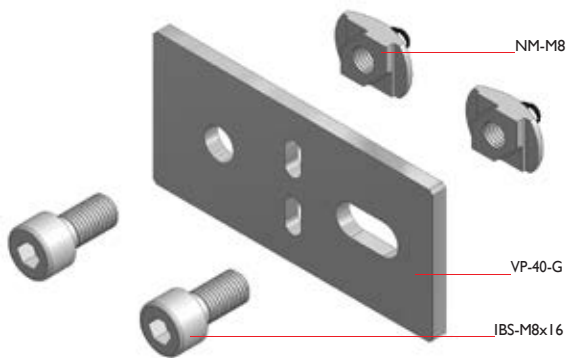
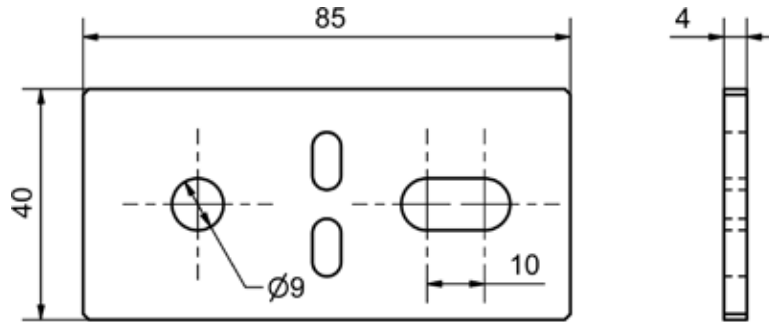
Lockable door handle with lock and panic push inside

Code	Weight
PTS-40/50	4500 g



# VP-40

## Connection plate-40



### Application

Connection of profile frames preferably for safety fence construction

### Material

Galvanized Steel

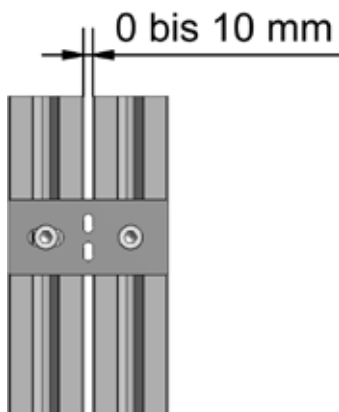
### Set

VP-40	Designation
1 ×	VP-40-G
2 ×	NM-M8
2 ×	IBS-M8x16

### Code

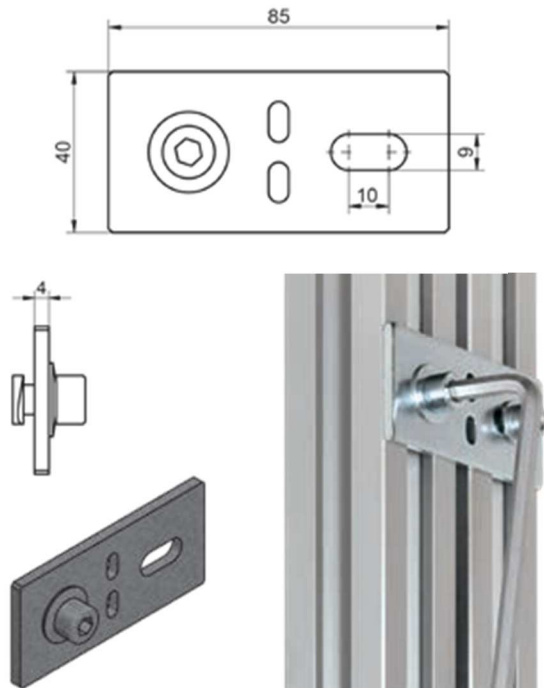
VP-40	Weight
	132 g

Gap size for 40x40 profiles



## VP-40 UV-E

Connection plate-40 captive with easy quick fixation



### Application

Connection plate with one locking screw for indispensable connections of elements and reduction of assembly times by fastening medium 90° rotation incl. Allen screw M8x14 and swivel nut M8

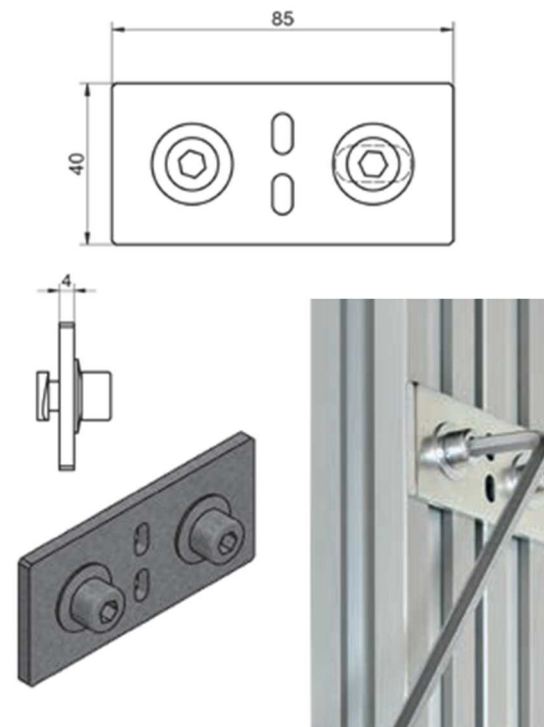
### Material

Galvanized Steel

Code	Weight
VP-40UV-E	111 g

## VP-40 UV-D

Connection plate-40 captive with double quick fixation



### Application

Connection plate with two locking screws for indispensable connections of elements and reduction of assembly times by fastening medium 90° rotation incl. Allen screw M8x14 and swivel nut M8

### Material

Galvanized Steel

Code	Weight
VP-40UV-D	131 g

## BBS-40

Floor mounting screw



### Application

For direct screwing into concrete or screed; fastening of ground angles;  
Pre-drilling:  $\varnothing=10$  mm

### Material

Galvanized Steel

Code	Weight
BBS-40	80 g

---

## SLA-12

Heavy duty anchor M12-50mm



### Application

Anchor bolt with M12 hexagon nut for fastening protective elements to the floor (screed, concrete);  
Pre-drilling:  $\varnothing=12$  mm

### Material

Galvanized Steel

Code	Weight
SLA-12	100 g

# Technical information

## Intended use

The safety fence is a "separating safety device" as defined by protective device" as defined in EN ISO 14120: 2015-11.

The safety fence is approved against impacts (according to EN 14120 Annex C2) with a force of 1400 joules.

The contents of the standards listed in the chapter Requirements for guards that apply to the safety fence must be observed.

The safety fence is intended for industrial use and not for private use.

## Requirements for guards

### IMPORTANT

For the planning and protection of a hazardous area by means of guards, the following standards must be taken into account as amended from time to time:

#### - DIN EN ISO 13857

"Safety of machinery - Safety distances to prevent danger zones being reached by upper and lower limbs".

#### - DIN EN ISO 12100

"Safety of machinery - General principles for design, risk assessment and risk reduction".

#### - DIN EN ISO 14119

"Safety of machinery - Interlocking devices associated with guards - Principles for design and selection".

#### - DIN EN ISO 14120

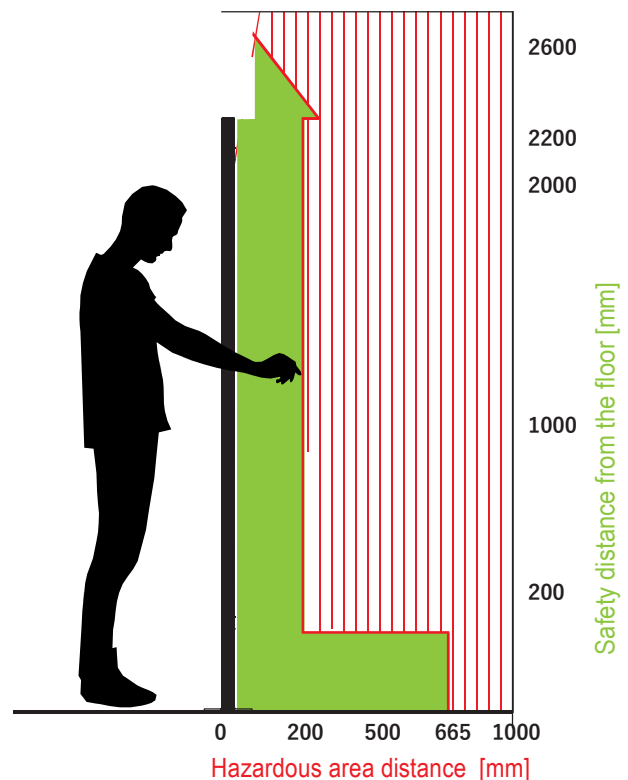
"Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards.

Safety devices must be in perfect condition and regularly checked according to the manufacturer's instructions and the work regulations.

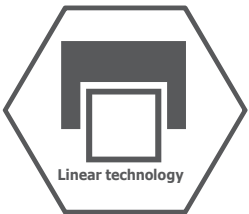
## Safety distances

In the EN ISO 13857: 2008 standard "Safety of machinery - safety distances to prevent hazard zones being reached by upper and lower limbs", the following dimensions for safety distances are defined.

limbs", the dimensions for the safety distances are defined as follows:







# Linear technology

Multiple combination possibilities.

## Linear units

### LAP-50

Linear axis 50x100 with profile rollers  
Plastic \_\_\_\_\_ 5.03

### LAP-100

Linear axis 100x100 with profile rollers  
Plastic \_\_\_\_\_ 5.05

### LAS-50

Linear axis 50x100 with steel rollers \_\_\_\_\_ 5.02

### LAS-100

Linear axis 100x100 with steel rollers \_\_\_\_\_ 5.04

## Accessories

### AD-100

Cover-100 for LRS-50 simple \_\_\_\_\_ 5.06

### AD-200

Cover-200 for LRS-50 double \_\_\_\_\_ 5.06

### FW-15

Guide shaft-15 mm for linear axes  
with steel rollers \_\_\_\_\_ 5.07

### IH-50

Initiator holder-50 mm for linear axes \_\_\_\_\_ 5.08

### I-M12xI

Initiator for linear axes-M12x1 \_\_\_\_\_ 5.07

### LRP-50-E

Roller for LAP-50/100  
with plastic roller/eccentric \_\_\_\_\_ 5.09

### LRP-50-Z

Roller for LA-50/100  
with plastic roller/centric \_\_\_\_\_ 5.10

### LRS-50-E

Roller for LAS-50/100  
with steel guide/eccentric \_\_\_\_\_ 5.08

### LRS-50-Z

Roller for LAS-50/100  
with steel guide/centric \_\_\_\_\_ 5.09

### MFP-50-040

Motor flange plate for ULK-50 and  
Gear motor 040 \_\_\_\_\_ 5.10

### SK-50-20

Clamping coupling for ULK-50 - 20 mm \_\_\_\_\_ 5.11

### ULK-50

Deflection head for LA-50/100 \_\_\_\_\_ 5.12

### V-50-LA

Connector-50 mm for linear axis \_\_\_\_\_ 5.12

### WPP-50

Trolley for LAP-50 \_\_\_\_\_ 5.13

### WPP-100

Trolley for LAP-100 \_\_\_\_\_ 5.13

### WPS-50

Trolley for LAS-50 \_\_\_\_\_ 5.14

### WPS-100

Trolley for LAS-100 \_\_\_\_\_ 5.14

### ZRS-50

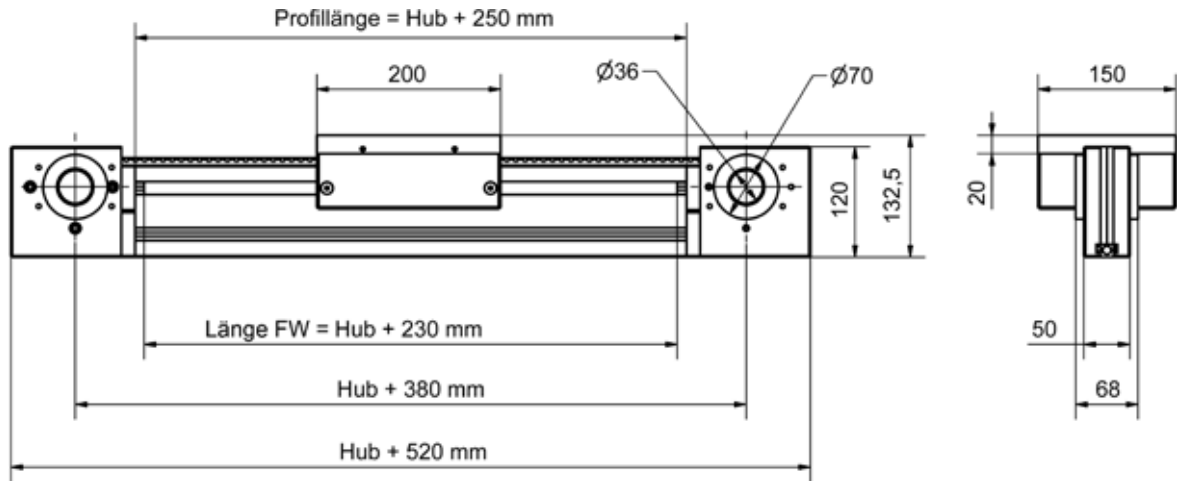
Toothed belt tensioner-50 for linear axes \_\_\_\_\_ 5.11

### ZR-T10-32

Toothed belt-T10-32 mm \_\_\_\_\_ 5.15

# LAS-50

Linear axis 50x100 with steel rollers



### Application

Linear axis with hardened steel rollers on hardened guideways; moving and transporting of goods, tools and stops; construction of gantry systems, handling units and vertical lifters.

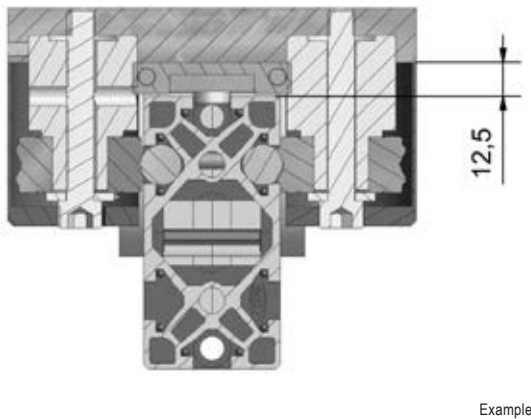
### Technical data

$v_{max}$	2 m/s
$M_{d max}$	70 Nm
s/ Rotation	200 mm
d real	63,66 mm
M idle	1 Nm
Repeatability for positioning	±0,15 mm

We will be happy to advise you on static and dynamic loads.

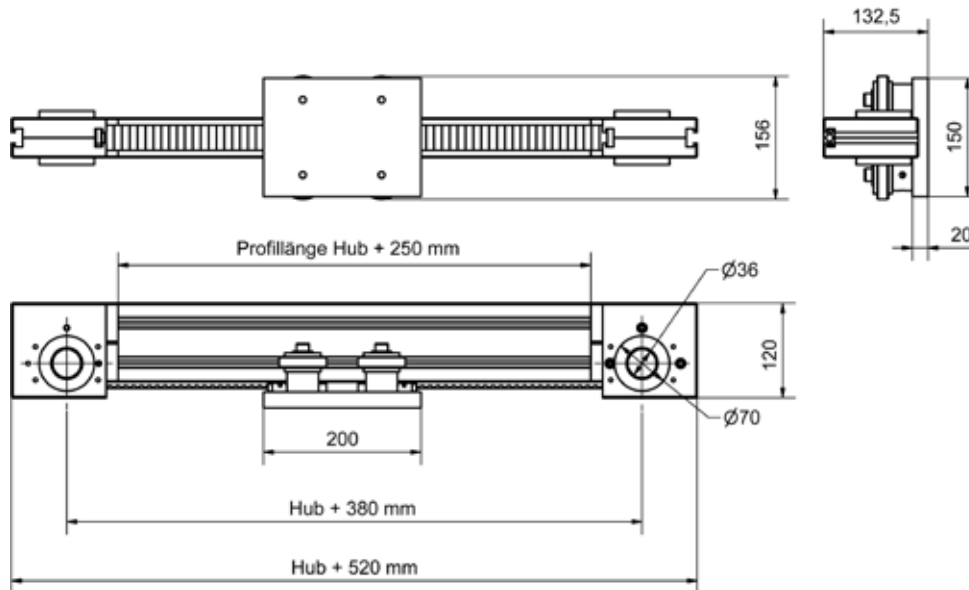
### Code

LAS-50- [Lift in mm]



# LAP-50

Linear axis 50x100 with plastic profile rollers



Example

## Application

Linear axis with ball bearing plastic rollers in Aluminium profiles for elevated application; moving and transporting of goods, tools and stops with vertically mounted carriage plate; construction of vertical lifts

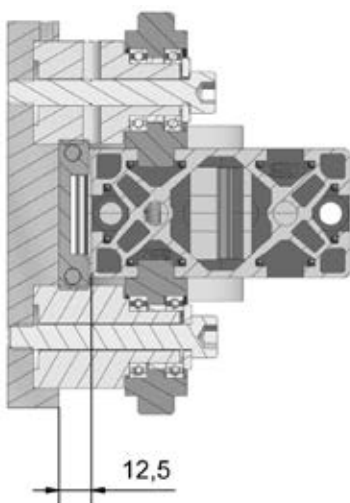
## Technical data

$v_{max}$	1 m/s
$M_{d,max}$	70 Nm
s/rotation	200 mm
d real	63,66 mm
M idle	1,5 Nm
Repeatability for positioning	$\pm 0,15$ mm

We will be happy to advise you on static and dynamic loads

## Code

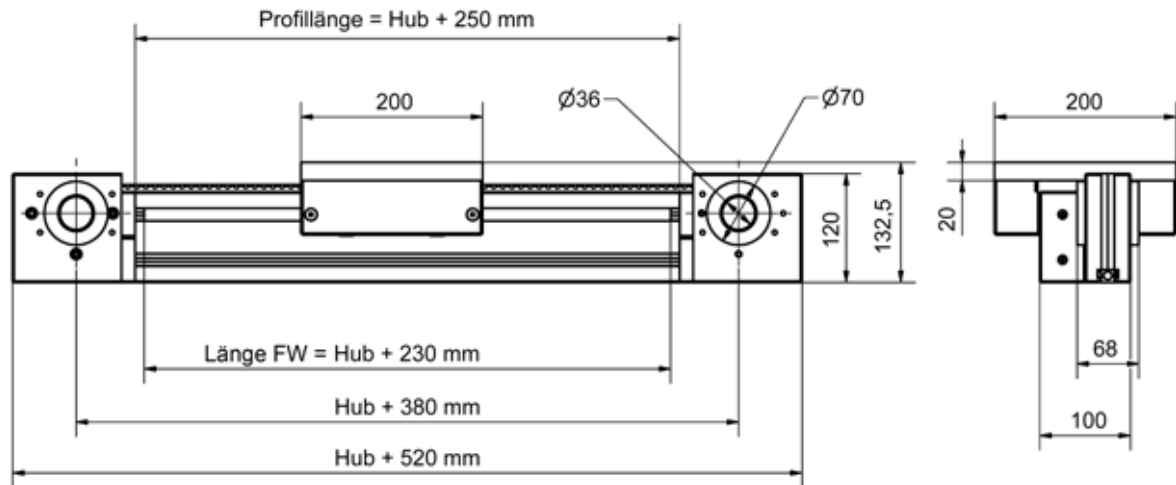
LAP-50- [Lift in mm]



Example

# LAS-100

Linear axis 100x100 with steel rollers



Example

## Application

Linear axis with hardened steel rollers on hardened guideways; moving and transporting of goods, tools and stops; construction of gantry systems, handling units and vertical lifters.

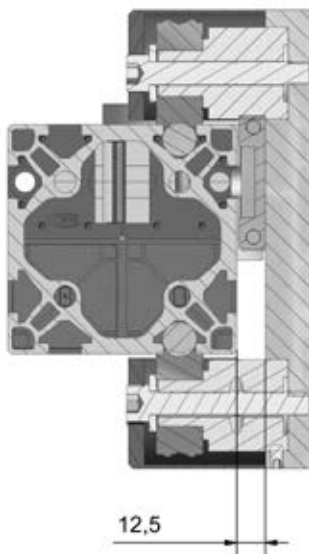
## Technical data

$v_{\text{max}}$	2 m/s
$M_{\text{d max}}$	70 Nm
s/rotation	200 mm
d real	63,66 mm
M idle	1 Nm
Repeatability for positioning	$\pm 0,15 \text{ mm}$

We will be happy to advise you on static and dynamic loads.

## Code

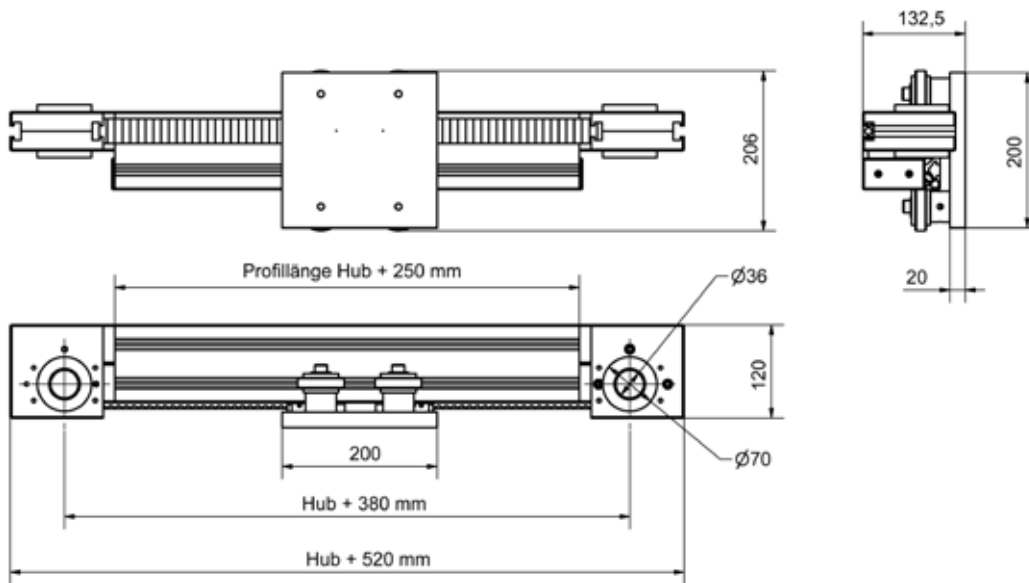
LAS-100- [Lift in mm]



Example

# LAP-100

Linear axis 100x100 with plastic profile rollers



Example

## Application

Linear axis with ball bearing plastic rollers in Aluminium profiles for elevated application; moving and transporting of goods, tools and stops with vertically mounted carriage plate; construction of vertical lifts

## Technical data

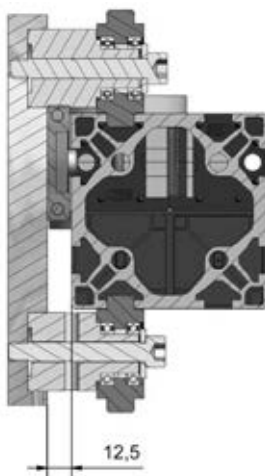
$v_{max}$	1 m/s
$M_{d max}$	70 Nm
s/rotation	200 mm
d real	63,66 mm
M idle	1,5 Nm

Repeatability for positioning  $\pm 0,15$  mm

We will be happy to advise you on static and dynamic loads.

## Code

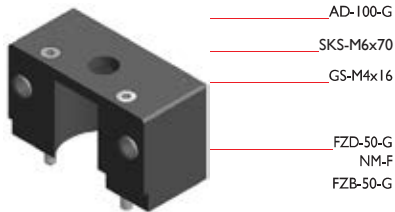
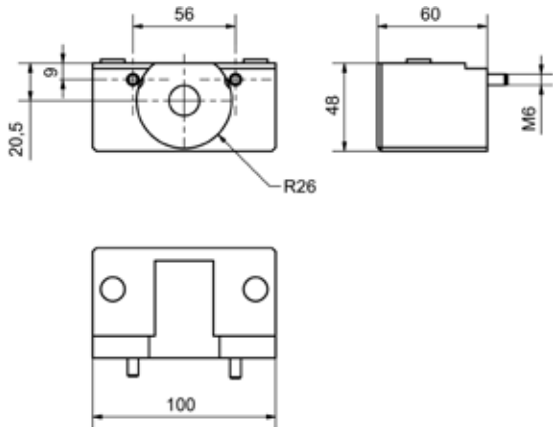
LAP-100- [Lift in mm]



Example

## AD-100

Cover-100 for LRS-50 simple



### Application

Black plastic cover for roller LRS-50 single; incl. felt wiper and fixing material

### Set

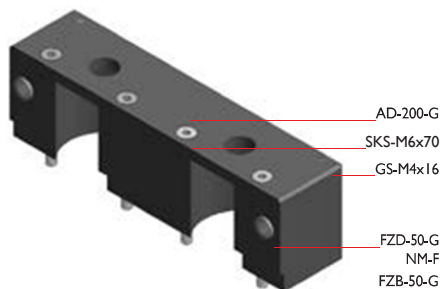
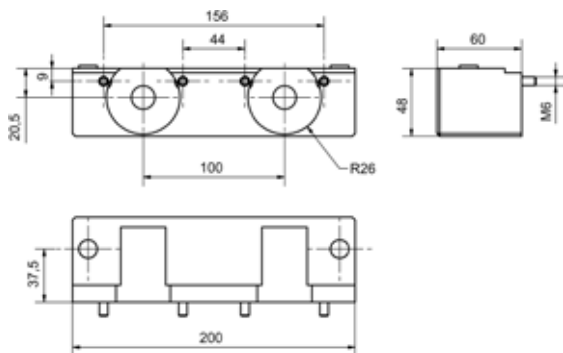
Quantity	Designation
1 ×	AD-100-G
2 ×	SKS-M6x70
1 ×	FZB-50-G
1 ×	FZD-50-G
1 ×	GS-M4x16
1 ×	NM-F

### Code

Code	Weight
AD-100	214 g

## AD-200

Cover-200 for LRS-50 double



### Application

Black plastic cover for double roller LRS-50; incl. felt wiper and fixing material

### Set

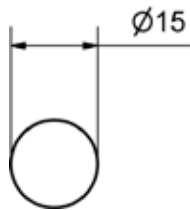
Quantity	Designation
1 ×	AD-200-G
4 ×	SKS-M6x70
2 ×	FZB-50-G
2 ×	FZD-50-G
2 ×	GS-M4x16
2 ×	NM-F

### Code

Code	Weight
AD-200	438 g

## FW-15

Guide shaft-15 mm for linear axes with steel rollers



### Application

Guide shaft for press-fitting into BÖMA aluminum profiles in 40 and 50 mm increments

### Material

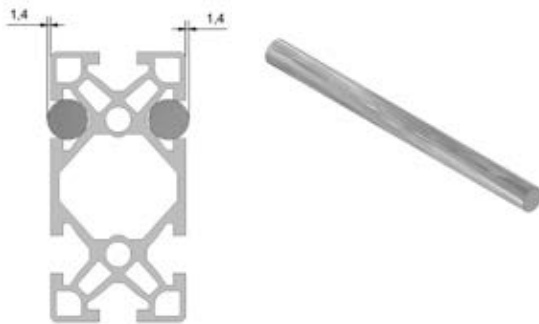
Hardened and ground edge steel rod length 6000 mm

### Code

FW-15- [length in mm]

### Weight

1378 g/m



## I-M12x1

Initiator for Linear axes-M12x1

### Application

Initiator M12x1 for position feedback on linear axes

### Technical data

Switching distance at Steel:  
4 mm; N.O. PNP DC with LED;  
Insertion length: 35 mm;  
Total length: 60 mm

### Code

I-M12x1

Initiator

### Weight

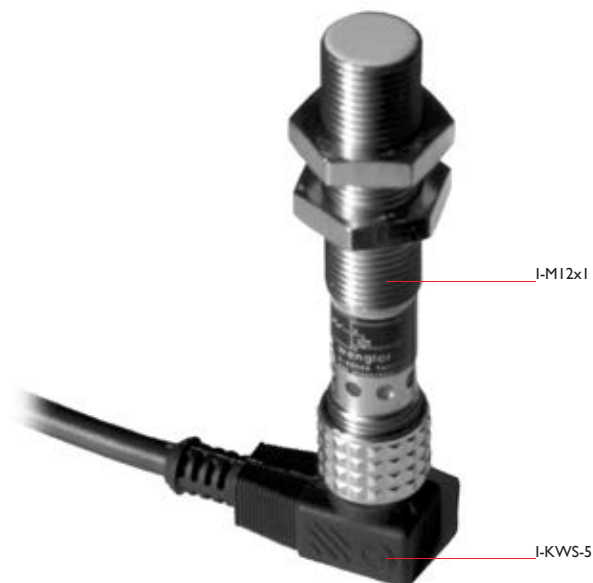
187 g

I-KWS-5

Angle plug with 5 m cable

### Note

Roller limit switch etc. on request

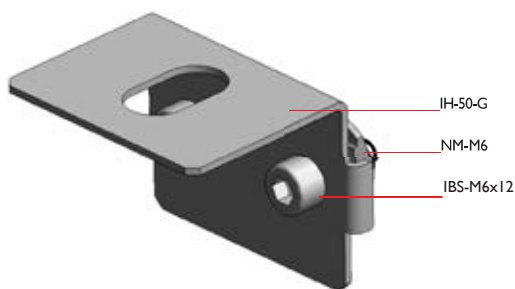
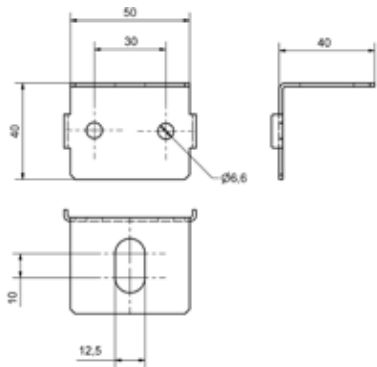


Example



## IH-50

Initiator holder-50 mm for linear axes



### Application

Holder for Initiator I-M12x1

### Material

Steel coated 1,5 mm

### Set

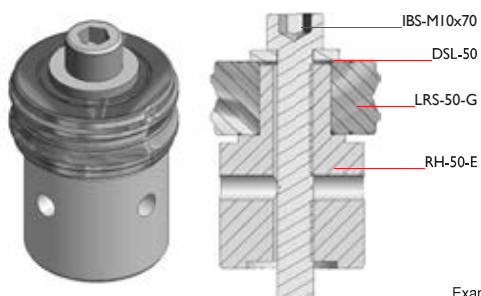
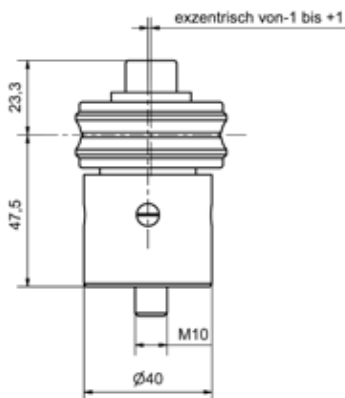
IH-50	Designation
1 ×	IH-50-G
2 ×	IBS-M6x12
2 ×	NM-M6

### Code

IH-50	Weight
	85 g

## LRS-50-E

Roller for LAS-50/100 with steel guide/eccentric



Example

### Application

Roller set for LAS-50/100 incl. ball bearing steel roller with eccentric roller holder and mounting material

### Set

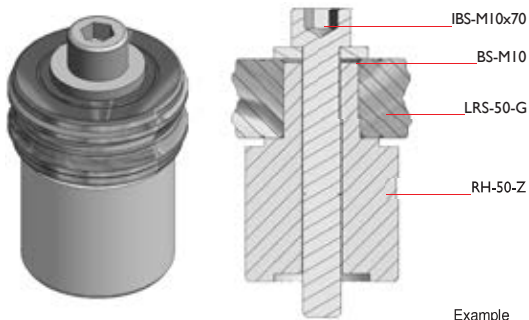
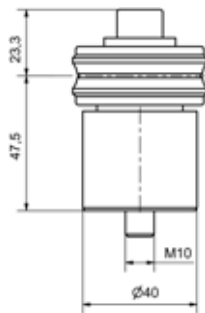
LRS-50-E	Designation
1 ×	LRS-50-G
1 ×	RH-50-E
1 ×	IBS-M10x70
1 ×	DSL-50

### Code

LRS-50-E	Weight
	524 g

## LRS-50-Z

Roller for LAS-50/100 with steel guide/centric



Example

### Application

Roller set for LAS-50/100 incl. ball bearing steel roller with centric roller holder and mounting material

### Set

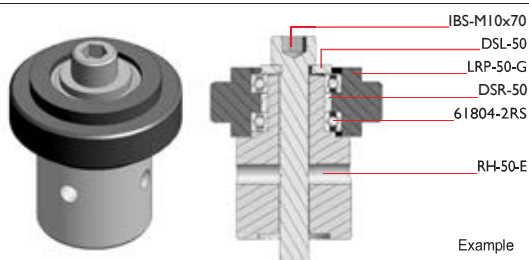
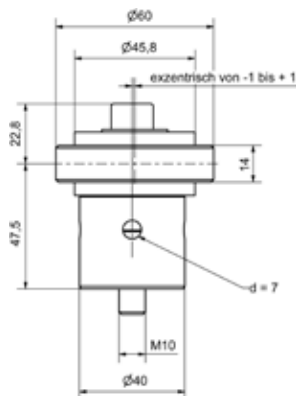
LRS-50-Z	Designation
1 ×	LRS-50-G
1 ×	RH-50-Z
1 ×	IBS-M10x70
1 ×	BS-M10

### Code

LRS-50-Z	Weight
	497 g

## LRP-50-E

Roller for LAP-50/100 with plastic roller/eccentric



Example

### Application

Roller set for LAP-50/100 incl. ball bearing plastic roller with eccentric roller holder and mounting material

### Set

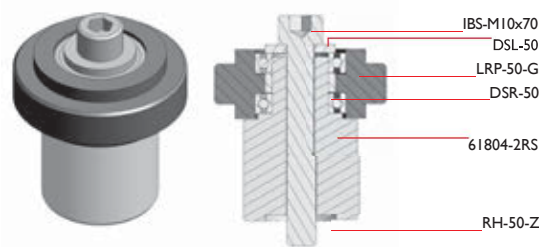
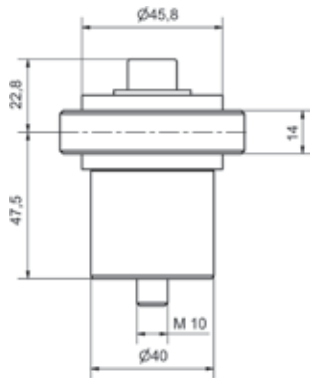
LRP-50-E	Designation
1 ×	LRP-50-G
2 ×	Lager 6804-2RS
1 ×	IBS-M10x70
1 ×	DSL-50
1 ×	DSR-50
1 ×	RH-50-E

### Code

LRP-50-E	Weight
	496 g

## LRP-50-Z

Roller for LA-50/100 with plastic roller/centric



Example

### Application

Roller set for LAP-50/100 incl. ball bearing plastic roller plastic roller with centric roller holder and fixing material

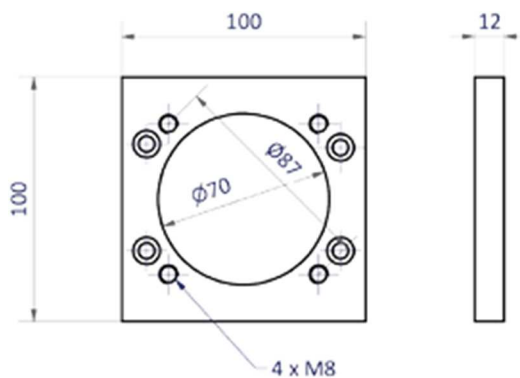
### Set

LRP-50-Z	Designation
1 ×	LRP-50-G
2 ×	Lager 6804-2RS
1 ×	IBS-M10x70
1 ×	DSL-50
1 ×	DSR-50
1 ×	RH-50-Z

<b>Code</b>	<b>Weight</b>
LRP-50-Z	464 g

## MFP-50-040

Motor flange plate for ULK-50 and gear motor 040



### Application

Gear motor mounting

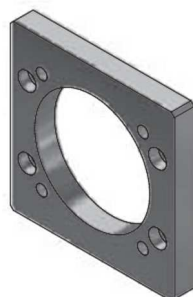
### Material

Galvanized Steel

<b>Code</b>	<b>Weight</b>
MFP-50-040	580 g

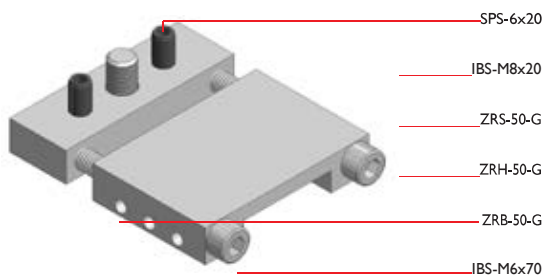
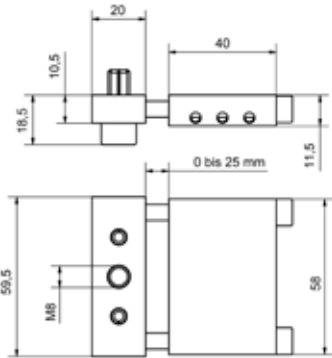
### Note

Special sizes on customer request after specification of bolt circle and thread diameter



## ZRS-50

Toothed belt tensioner-50 for linear axes



### Application

Toothed belt tensioner for toothed belt ZR-T10-32

### Material

Aluminum natural, Galvanized Steel

### Set

ZRS-50	Designation
1 ×	ZRH-50-G
2 ×	IBS-M6x70
1 ×	ZRS-50-G
3 ×	ZRB-50-G
2 ×	SPS-6x20
1 ×	IBS-M8x20

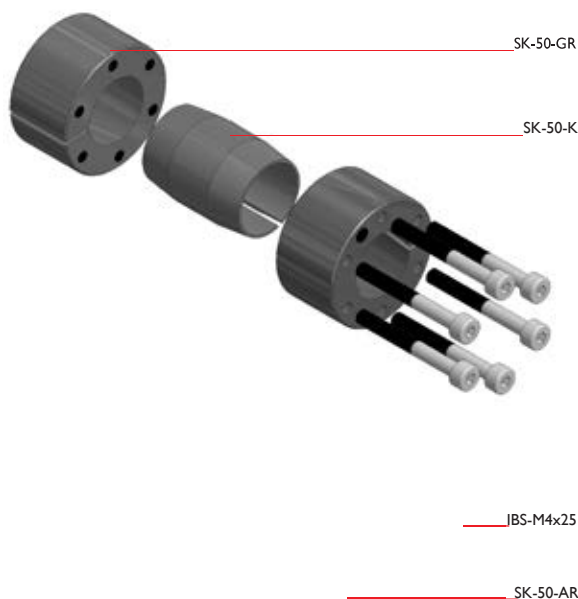
### Code

ZRS-50 Weight

245 g

## SK-50-20

Clamping coupling for ULK-50 - 20 mm



### Application

Coupling for shafts with  $\varnothing 20$  for drive resp. synchronization of BÖMA linear axes

### Material

Nitrated Steel

### Set

SK-50-20	Designation
1 ×	SK-50-AR
1 ×	SK-50-GR
1 ×	SK-50-K
6 ×	IBS-4x25

### Code

SK-50-20 Weight

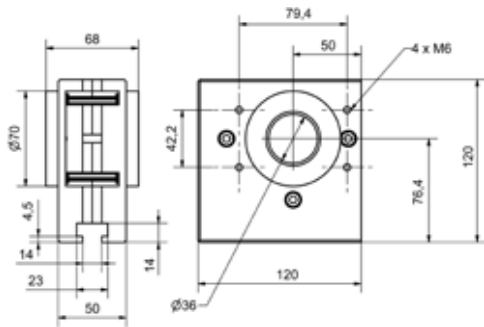
130 g

### Note

Other shaft diameters on request

## ULK-50

Deflection head for LA-50/100



### Application

Deflection or drive head for toothed belt-driven linear axes

### Material

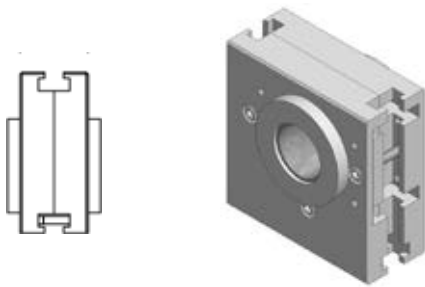
Aluminum natural  
Galvanized Steel

### Code

ULK-50

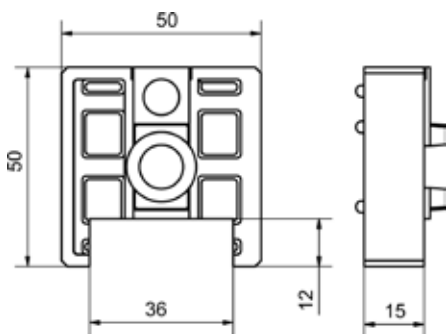
### Weight

1967 g



## V-50-LA

Connector-50 mm for linear axes



### Application

Connection for fastening deflection heads to profiles in 50 mm increments; two pieces are required per deflection head

### Material

Zinc die-casting coated

### Set

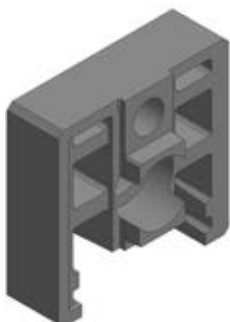
V-50-LA	Designation
1 ×	V-50-LA-G
1 ×	IBS-M8x18
1 ×	LKS-M10x30
1 ×	NM-M8-G

### Code

V-50-LA

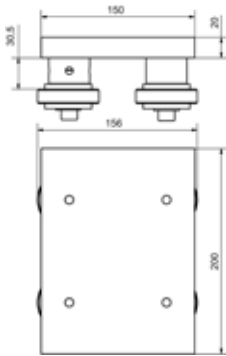
### Weight

164 g/m



## WPP-50

Trolley for LAP-50



### Application

Complete carriage for LAP-50 with two eccentric and two centric plastic rollers

### Set

WPP-50	Designation
1 ×	WP-50-G
2 ×	LRP-50-Z
2 ×	LRP-50-E

### Code

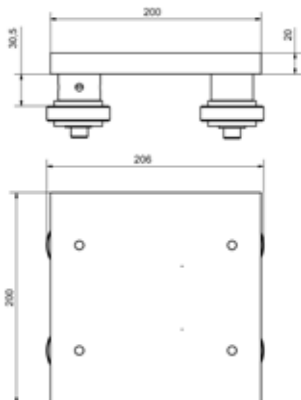
WPP-50	Weight
	3365 g

### Note

Fixing holes are made according to edge request

## WPP-100

Trolley for LAP-100



### Application

Complete carriage for LAP-100 with two eccentric and two centric plastic rollers

### Set

WPP-100	Designation
1 ×	WP-100-G
2 ×	LRP-50-Z
2 ×	LRP-50-E

### Code

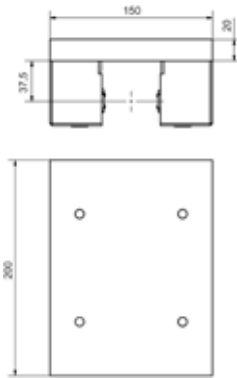
WPP-100	Weight
	3893 g

### Note

Mounting holes are made according to customer requirements

## WPS-50

Trolley for LAS-50



### Application

Complete carriage for LAS-50 with two eccentric and two centric rollers for steel guide, felt wiper, cover and fixing kit

### Set

WPS-50	Designation
1 ×	WP-50-G
2 ×	LRS-50-Z
2 ×	LRS-50-E
2 ×	AD-200

### Code

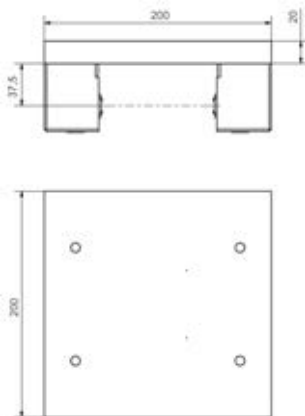
WPS-50	Weight
	4365 g

### Note

Mounting holes are made according to customer requirements

## WPS-100

Trolley for LAS-100



### Application

Complete carriage for LAS-100 with two eccentric and two centric rollers for steel guide, felt wiper, cover and fixing kit

### Set

WPS-100	Designation
1 ×	WP-100-G
2 ×	LRS-50-Z
2 ×	LRS-50-E
2 ×	AD-200

### Code

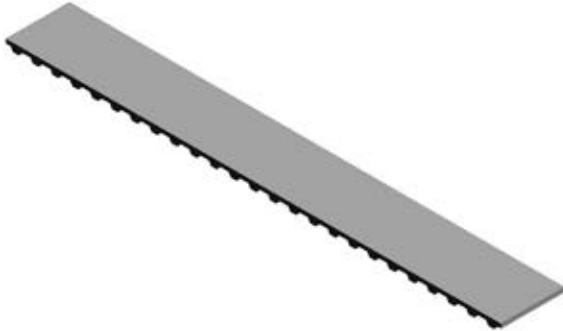
WPS-100	Weight
	4891 g

### Note

Mounting holes are made according to customer requirements

# ZR-T10-32

Timing belt-T10-32 mm



## Application

Timing belt T-10 32 mm wide;  
Linear axis drive

## Material

Plastic PU with steel strands

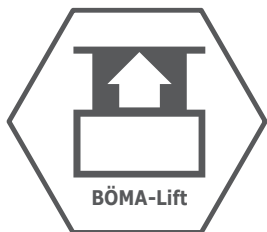
## Code

ZR-T10-32- [length in mm]

Weight

180 g/m





# BÖMA-Lift

Lifting, pulling and positioning.

## Lift

### BL-350

Pair of BÖMA lifts with synchronous control,  
Lifting Height: 350 mm \_\_\_\_\_ 6.02

### BL-350-E

BÖMA lift single without control,  
Lifting Height: 350 mm \_\_\_\_\_ 6.03

## Accessories

### BL-APO

BÖMA lift connection plate top \_\_\_\_\_ 6.04

### BL-APU

BÖMA lift connection plate bottom \_\_\_\_\_ 6.04

### BL-HAT

BÖMA lift manual pushbutton \_\_\_\_\_ 6.04

### BL-LCE

BÖMA-Lift-Logic-Compact-Eco \_\_\_\_\_ 6.05

### BL-MT

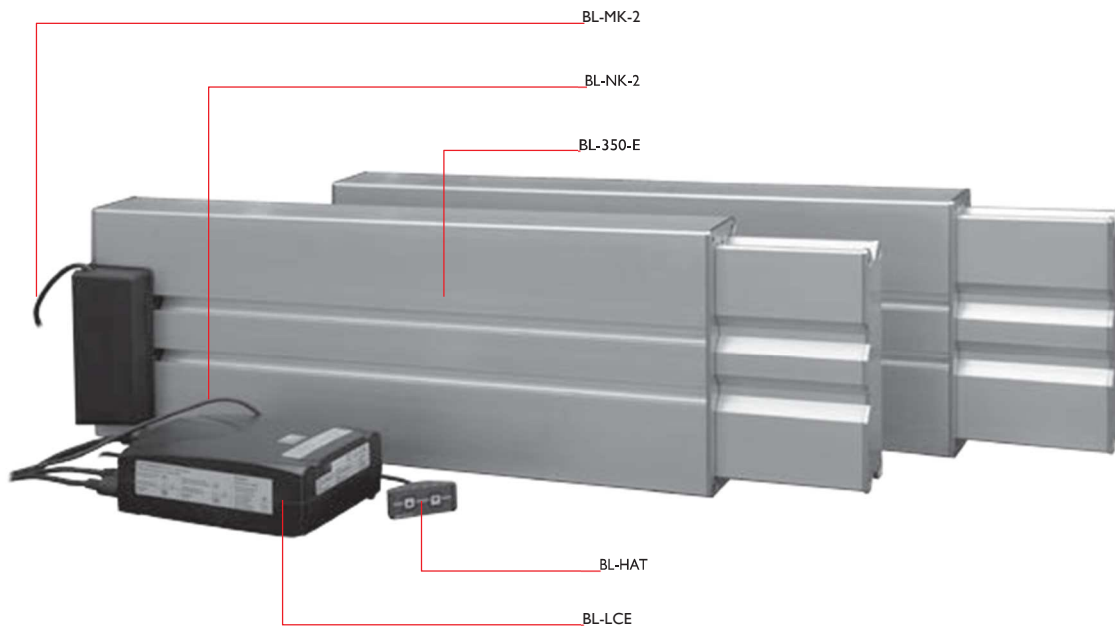
BÖMA-Lift operation with memory function \_\_\_\_\_ 6.05

### BL-VS-X

Connecting strut \_\_\_\_\_ 6.05

## BL-350

BÖMA lift pair with synchronous control, lifting Height: 350 mm



### Application

Height and width adjustment with two synchronized lifts for e.g.: lifting tables, office furniture, adjustable working levels, conveyor technology, etc.

### Technical data

Stroke: 350 mm (special stroke on request)

Speed: 4 mm/sec.

Max. Load at central load: 3000N

Pair max. duty cycle 20 % (5 minutes at 20 °C) 24 V DC motor IP-30

2 m motor cable with plug for control 230 V - power cable with 2 m length

### Set

2 ×	BL-350-E
1 ×	BL-LCE
1 ×	BL-HAT
2 ×	BL-MK-2 (Motorkabel)
1 ×	BL-NK-2 (Netzkabel)

### Code

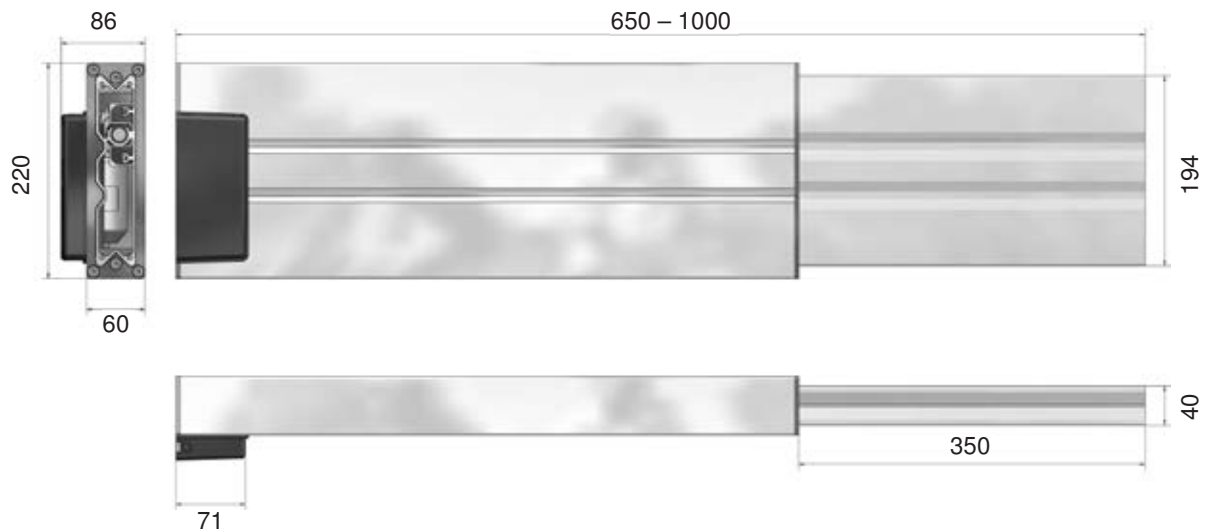
Weight	
BL-350	17,95 kg/pcs.

### Note

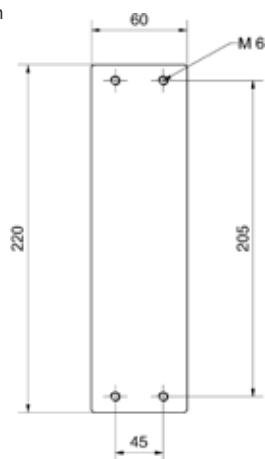
During assembly, make sure that the BÖMA lifts are installed exactly parallel to each other!

# BL-350-E

BÖMA lift single without control, lifting Height: 350 mm



Mounting situation on the engine side



## Application

Height and Width adjustment for e.g.: lift tables, office furniture, adjustable working levels, conveyor technology, ...

## Technical data

Stroke: 350 mm (special stroke on request)

Max. Load at central load: 1500N

Lift column Max. duty cycle 20 % (5 minutes at 20° C)

24 V DC motor IP-30

2 m motor cable with plug for control

**Code** Weight

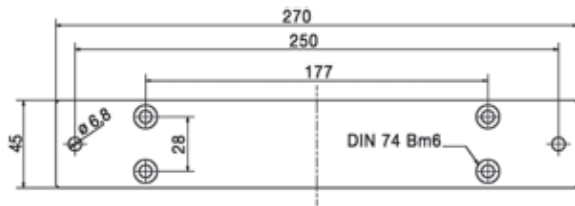
BL-350-E 8,58 kg/pcs.

Attachment situation stroke side



## BL-APO

BÖMA lift connection plate top



### Application

Connection between BL-350-E and edge-side table top

### Material

Galvanized Steel 6 mm

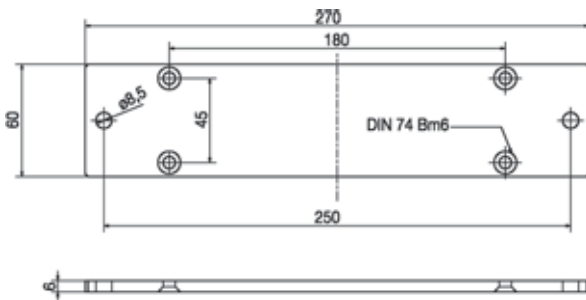
Code	Weight
BL-APO	555 g

### Set

1 ×	BL-APO-G
4 ×	SKS-M6x20

## BL-APU

BÖMA lift connection plate bottom



### Application

Connection between BL-350-E and substructure

### Material

Galvanized Steel 6 mm

Code	Weight
BL-APU	750 g

### Set

1 ×	BL-APU-G
4 ×	SKS-M6x12

## BL-HAT

BÖMA lift manual pushbutton



### Application

Single hand switch with buttons for up and down

### Operation

Key Up  
Key Down

### Connection

Cable with 7-pin DIN plug to control BL-LCE length: 1.5 m

Code	Weight
BL-HAT	97 g

## BL-MT

BÖMA-Lift Operation with Memory Function



### Application

In addition to the display for Height indication, the BL-MT handset has the possibility to store up to four different memory positions.

### Operation

4 memory keys  
2 up/down buttons

### Connection

Cable with 7-pin DIN plug to control BL-MS-2

Code	Weight
BL-MT	127 g

## BL-LCE

BÖMA-Lift-Logic-Compact-Eco



### Application

Motor control for up to three motors of the BÖMA lift; parameterized for 350 mm stroke; with power cable BL-NK-2 without manual pushbutton; with cascading cable up to four controls can be synchronized and therewith up to twelve BÖMA lifts

### Operation

1 - 3 motors

### Connection

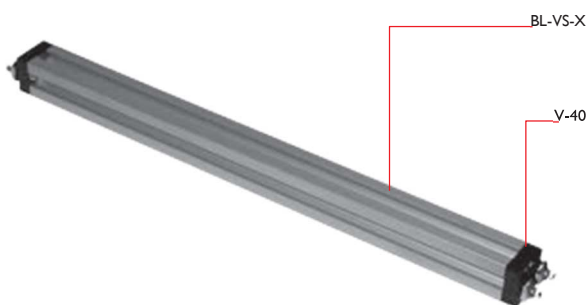
2 ×	Molex connector for motor cable
1 ×	BL-NK-2 Power cable
1 ×	BL-HAT or BL-MT

### Code

BL-LCE

## BL-VS-X

Connecting strut



### Application

Connecting brace for BL-350-E; facilitates parallel assembly of two lift columns; provides more stability and torsional rigidity

### Material

Aluminum natur eloxiert

### Code

BL-VS- [clear Width in mm]

Weight

1826 g/m

### Set

1 ×	BL-VS- [clear Width in mm]
2 ×	V-40