

NEWS 2008

Part. N° 95.0422/0

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ABOUT US



The Company

MiniTec was founded on the sales of miniature linear guides. Now we also design complete machines and devices, but we kept the name MiniTec.

In addition to our factories in Germany, France, UK and the US, we have customer service partners in more than 25 countries. They are in prime locations to provide consultation, on time delivery and on-site assembly.

The Production Program

Our linear technique combined with the Profile System is the ideal partnership. The components work together to provide optimum performance. The modular assembly system makes it possible to manufacture to unique specifications and can be produced quickly and cost effectively.



The Quality

Linear technique requires rigorous precision. Therefore we work with up-to-date machines and use the newest technologies. As quality is very important at MiniTec, we set the same high standards for all of our products, design and administrative procedures. MiniTec is certified in DIN EN ISO 9001 and 14001.

The Environment

Our company mission stresses an active role in environmental protection and the conservation of our natural resources. As an example, we choose our service locations in close proximity to our customers to avoid long transits. Our environmental management system is certified in DIN EN ISO 9001 and 14001.



The Occupational Health and Safety

Since 2006 is our company certified with the OHSAS 18001 – Occupational Health and Safety Assessment Series.



The Innovation

For MiniTec, innovation doesn't just mean better products. We strive to continually improve our processes as well. Constant training of our staff and a solid working relationship with Research and Education Institutions create the foundation for ongoing innovation.

MiniTec CAD Support

Our CAD tools are the logical supplement to the hardware of our construction system. All planning and assembly requirements are comprehensively considered. The combination of components and software opens up the full potential for efficient, flexible, and modern machinery construction.

Time is a key factor in modern and economic machine construction. The time expended for a construction affects the costs to a great extent as well as the speed of implementation. It is not unusual that the expenditure for calculation, design, operation scheduling, and assembly to amount to more than half of the total costs. The ergonomic design of all the components of our system and the ease of assembly with our power-lock fastener without drilling results in a significant saving of time.

Planning and operations scheduling often offer an even greater potential for saving time. A fundamental step forward with regard to planning and avoidance of errors are our MiniTec CADmenu for AutoCAD and MiniTec iCAD design tools with more than 50 formats for all other CAD systems. The design time is reduced by more than 60% with these tools compared with conventional designing.

All components are contained in 2D and 3D in the electronic catalog. Defined insertion points facilitate positioning in the drawing. Any processing and the connectors that may be required are displayed for each of the components and can be added if desired. A parts-list is automatically created in which the overmeasurements for panel elements are correctly calculated. Identical parts are summarized in a order list. The weight of the individual items and the total weight is displayed. The parts list can be generated in German, English, or French. Interfaces to Word and Excel enable the data-transfer to planning systems and the creation of documentations or the further processing of the data.

MiniTec CADmenu for AutoCAD* 2004 - 2008

Part N° 95.0858/0



- Design tool using AutoCAD commands
- Automated design modules for
 - Linear axes
 - Safety equipment
 - Conveyor belts
 - Roller belts
 - Workplaces

° Installation routine for AutoCAD 2002 can be downloaded from our website www.minitec.de/cadsupport

MiniTec iCAD 3.5 for all CAD Systems

Part N° 95.0864/0

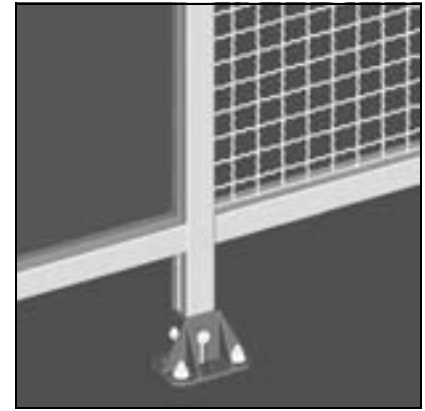
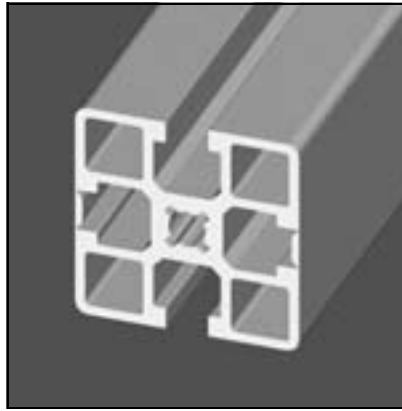
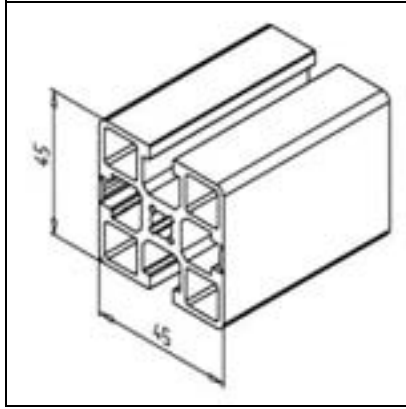


- Autonomous design tool that can also be used without a CAD system
- Direct interfaces to all common CAD systems such as Mechanical Desktop, ProEngineer, Solid Works, Solid-Edge, MegaCAD, etc.
- More than 50 data output formats in 2D and 3D
- Automated design module for linear axes, slide guides, conveyors, workplaces
- Latest version plus updates to download from www.minitec.de

*AutoCAD is a registered trademark of AUTODESK, Inc. - Word and Excel are registered trademarks of Microsoft

PROFILE 45 X 45 2GG

Part. N° 20.1099/0



TECHN. DATA / ITEMS SUPPLIED

- lx =	13,069 cm ⁴
- ly =	14,045 cm ⁴
- wx =	5,808 cm ³
- wy =	6,242 cm ³
- Weight	1,925 kg/m
- Length	6 m
- Packing unit	36 m

APPLICATIONS

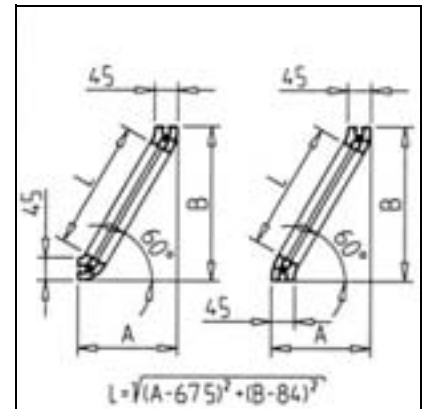
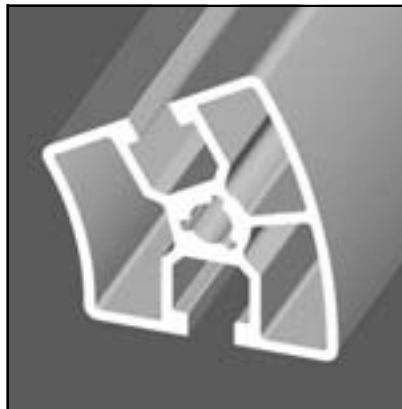
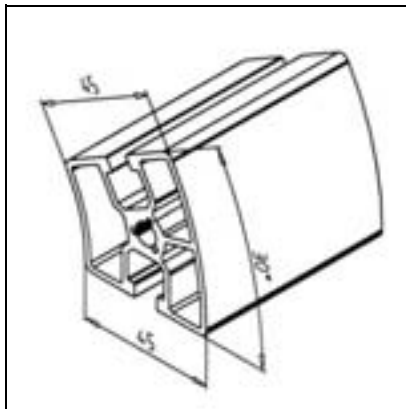
- General engineering structures, particularly for use in the food industry, in medical engineering and for the filling of beverages, where strict hygienic standards are set
- Grooves can be closed with the aluminium cover profile L, Part N° 20.1021/0
- On request we offer silicon sealings for profile connections

ASSEMBLY

- Angle 25 / 45
- MiniTec power-lock fastener
- For tightening the power-lock fastener, the groove cover must be opened by 30-33 mm at the profile end. This opening is covered by means of the cover plate G Part N° 22.1056/0

PROFILE 45 R 30°

Part. N° 20.1094/0



TECHN. DATA / ITEMS SUPPLIED

- lx =	12,138 cm ⁴
- ly =	11,006 cm ⁴
- wx =	4,018 cm ³
- wy =	3,883 cm ³
- Weight	1,626 kg/m
- Length	6 m
- Packing unit	48 m

APPLICATIONS

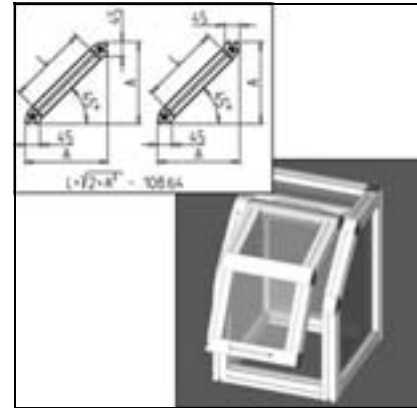
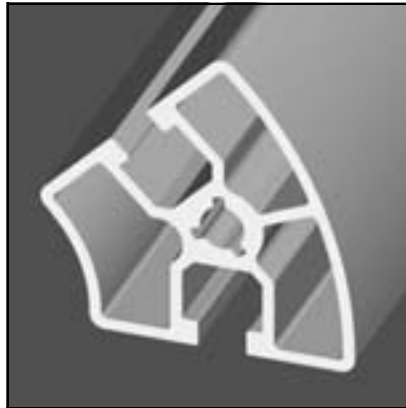
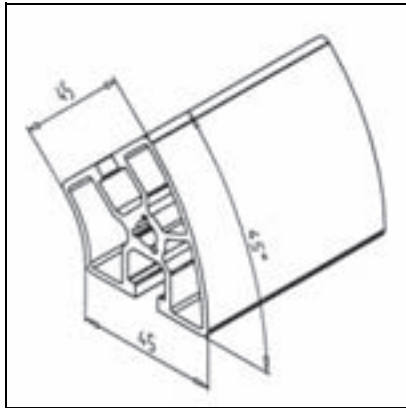
- Cover with angle
- Posts for protection fields

ASSEMBLY

- MiniTec power-lock fastener
- Cross bolt-fastener
- Bolt-fastener

PROFILE 45 R 45°

Part. N° 20.1095/0



TECHN. DATA / ITEMS SUPPLIED

- lx =	12,457 cm ⁴
- ly =	11,296 cm ⁴
- wx =	3,976 cm ³
- wy =	3,837 cm ³
- Weight	1,607 kg/m
- Length	6 m
- Packing unit	48 m

APPLICATIONS

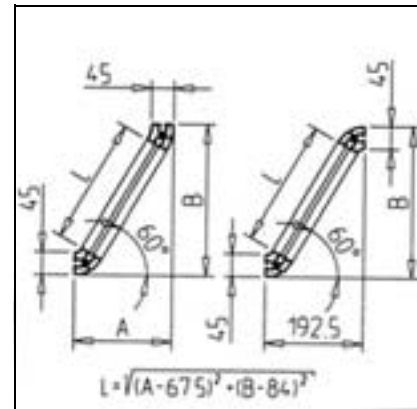
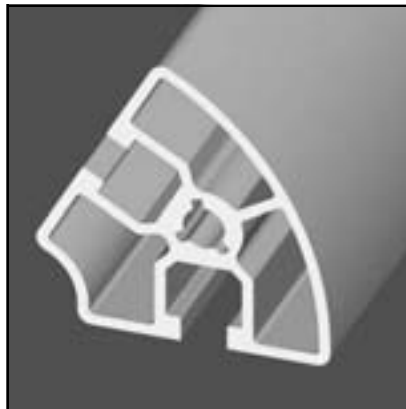
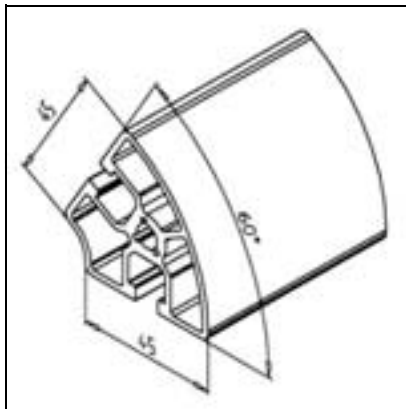
- Cover with angle
- Posts for protection fields

ASSEMBLY

- MiniTec power-lock fastener
- Cross bolt-fastener
- Bolt-fastener

PROFILE 45 R 60°

Part. N° 20.1096/0



TECHN. DATA / ITEMS SUPPLIED

- lx =	11,446 cm ⁴
- ly =	10,280 cm ⁴
- wx =	3,667 cm ³
- wy =	3,752 cm ³
- Weight	1,575 kg/m
- Length	6 m
- Packing unit	48 m

APPLICATIONS

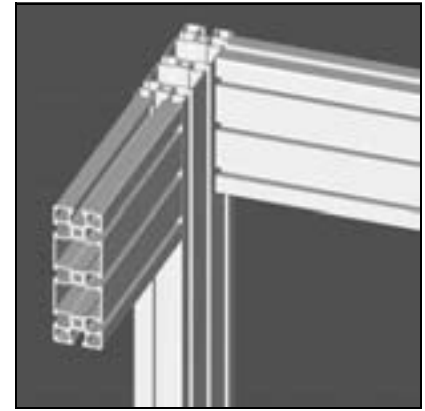
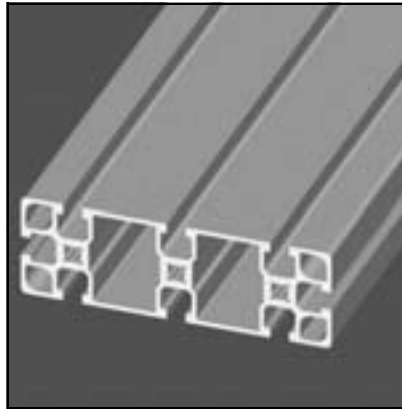
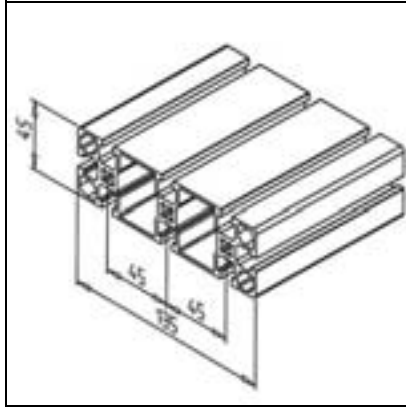
- Cover with angle
- Posts for protection fields

ASSEMBLY

- MiniTec power-lock fastener
- Cross bolt-fastener
- Bolt-fastener

PROFILE 45 X 135 F

Part. N° 20.1087/0



TECHN. DATA / ITEMS SUPPLIED

- lx =	34,958 cm ⁴
- ly =	34,658 cm ⁴
- wx =	15,537 cm ³
- wy =	45,609 cm ³
- Weight	4,319 kg/m
- Length	6 m
- Packing unit	12 m

APPLICATIONS

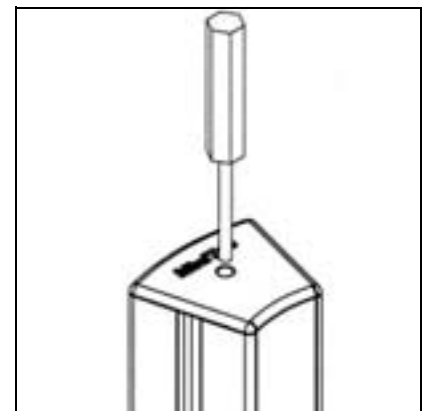
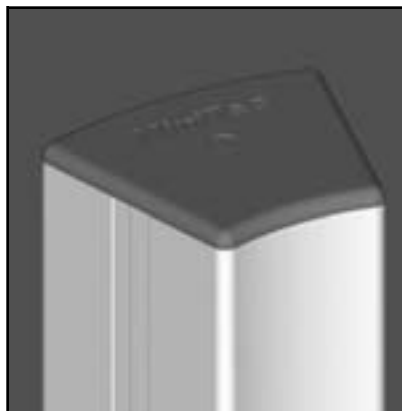
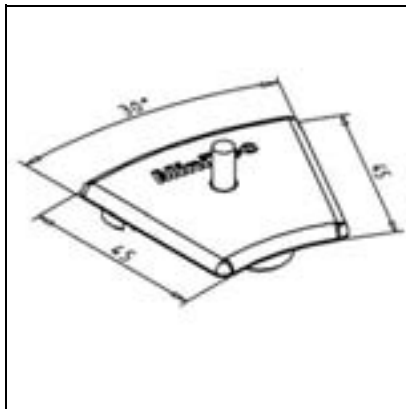
- General constructions
- Counterweighted sliding-doors and devices

ASSEMBLY

- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Bolt fastener

END CAP 45 R 30°

Part. N° 22.1019/1



TECHN. DATA / ITEMS SUPPLIED

- ABS, grey	
- Weight	0,006 kg

APPLICATIONS

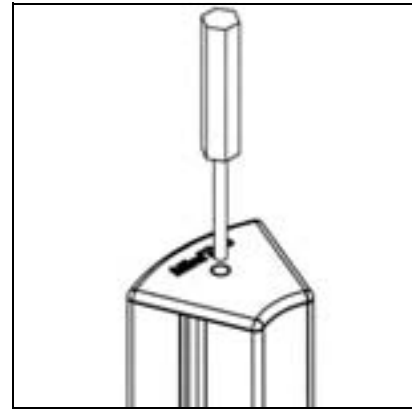
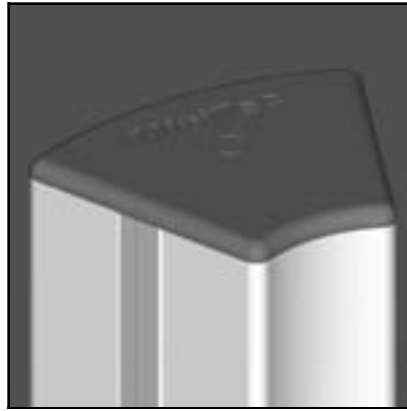
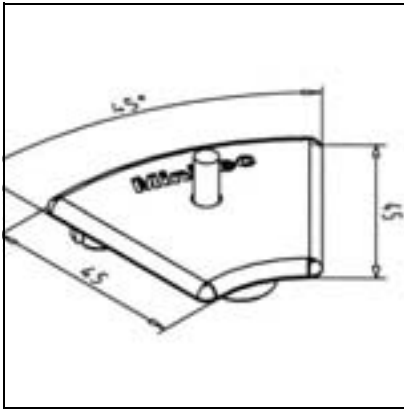
- To cover ends of profile 45 R 30°

ASSEMBLY

- Hammer pin into the centric bore. Use a plastic hammer
- For demounting push pin through centric bore

END CAP 45 R 45°

Part. N° 22.1017/1



TECHN. DATA / ITEMS SUPPLIED

- ABS, grey
- Weight 0,006 kg

APPLICATIONS

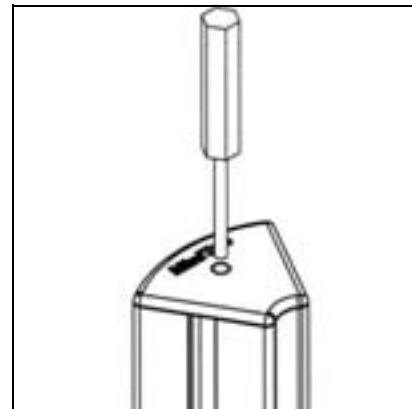
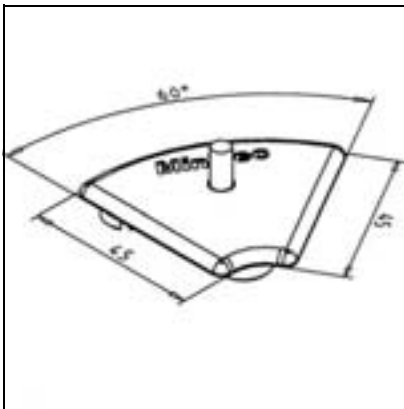
- To cover ends of profile 45 R 45°

ASSEMBLY

- Hammer pin into the centric bore. Use a plastic hammer
- For demounting push pin through centric bore

END CAP 45 R 60°

Part. N° 22.1018/1



TECHN. DATA / ITEMS SUPPLIED

- ABS, grey
- Weight 0,006 kg

APPLICATIONS

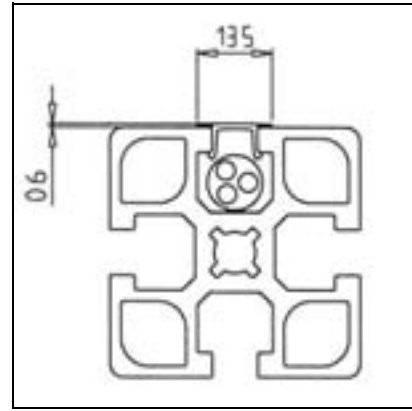
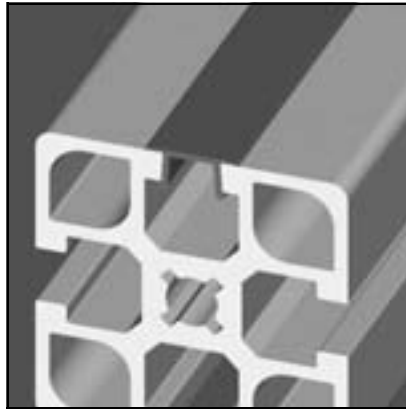
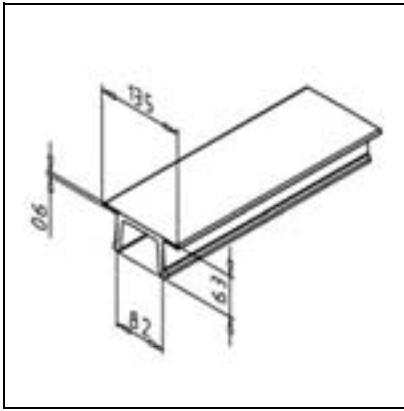
- To cover ends of profile 45 R 60°

ASSEMBLY

- Hammer pin into the centric bore. Use a plastic hammer
- For demounting push pin through centric bore

COVER PROFILE K

Part. N° 22.1020/1



TECHN. DATA / ITEMS SUPPLIED

- ABS, grey

- Weight 0,023 kg/m

- Length 2 m

APPLICATIONS

- Flush, dust-proof covering of profile grooves

- Groove cross-section usable as installation conduit for wiring or piping

- Informations plates

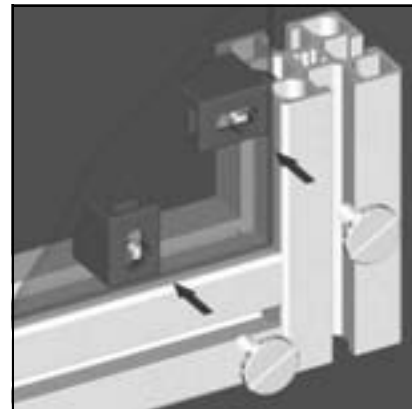
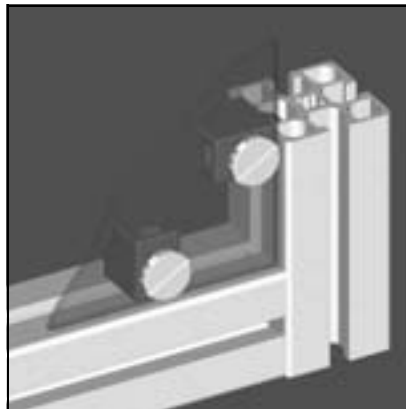
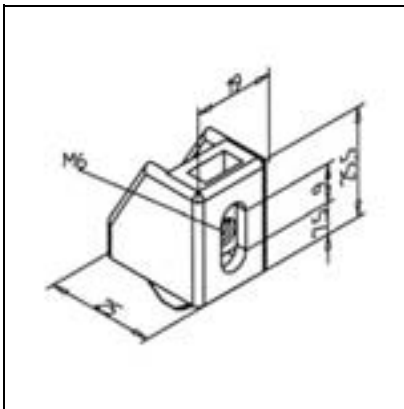
ASSEMBLY

- Press by hand onto profile groove

- Cut of with metal-pliers

SCREW BLOCK 45

Part. N° 22.1113/1



TECH. DATA / ITEMS SUPPLIED

- PA, grey

- Weight 0,010 kg

APPLICATIONS

- Suitable for all profiles > 45

- Subsequent fitting of panel elements from 2 to 6 mm thickness; a reduction in x- or y-direction of maximum 1 mm is requested

ASSEMBLY

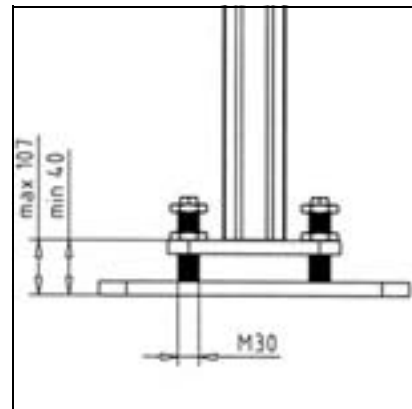
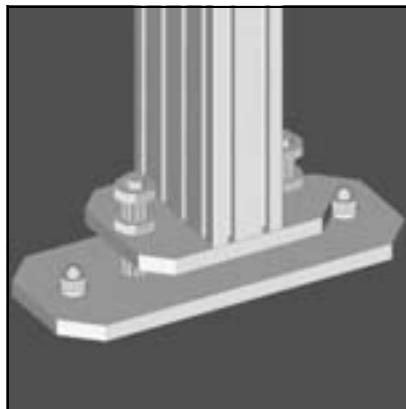
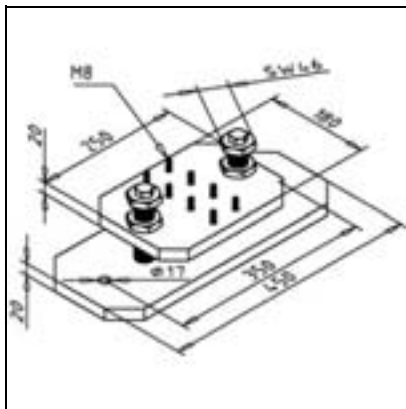
- Insert socket into profile groove

- Insert bored panel elements

- Screw with suited screws M6 (recommended: pan head screw 16 Part N° 21.1246/0)

LEVELLING-PLATE 180 ST

Part. N° 21.0977/0



TECHN. DATA / ITEMS SUPPLIED

- Steel, zinc plated
- With fixing kit for profile
- With levelling elements
- Without dowels
- Weight 20,347 kg

WITH LEVELLING ELEMENTS

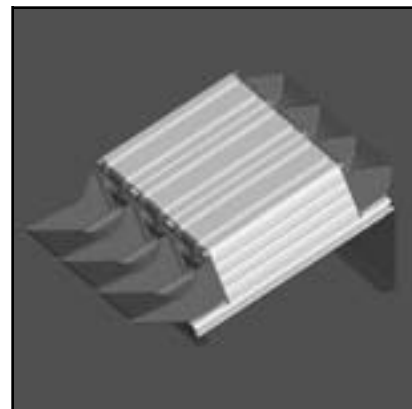
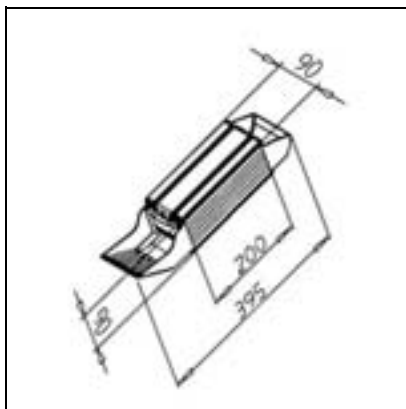
- Without dowels

ASSEMBLY

- Fasten footplate to the floor using a high performance anchor
- Fasten profile panel to the profile with the fastening material in the scope of delivery
- Turn the M20 screw to set the height and secure it with the counter nut

GRAB BINS 90 L = 200

Part. N° 32.0851/0



TECHN. DATA / ITEMS SUPPLIED

- Filler and grab tray made of ABS
- Aluminium stock profile
- Completely fixed
- Other length on request
- ESD capable

APPLICATIONS

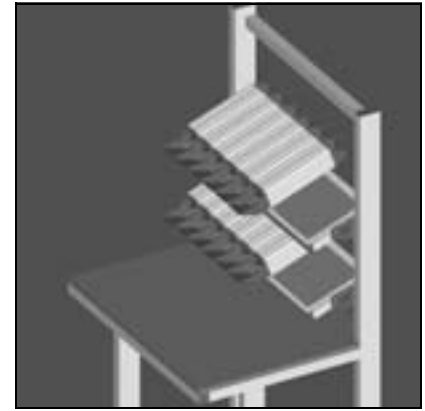
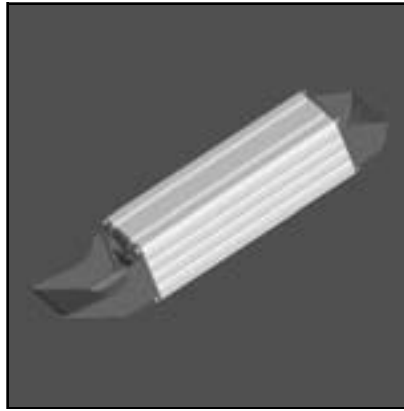
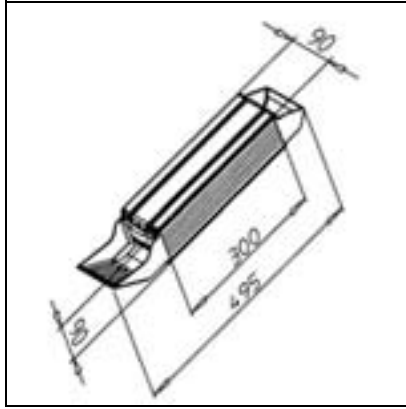
- For assembly workplaces for supply of small parts
- Variable opening height to the grab trays using sliders

ASSEMBLY

- Attach with the enclosed mounting set to console 300 or using grab container 90 L = 300

GRAB BINS 90 L = 300

Part. N° 32.0852/0



TECHN. DATA / ITEMS SUPPLIED

- Filler and grab tray made of ABS
- Aluminium stock profile
- Completely fixed
- **Other length on request**
- ESD capable

APPLICATIONS

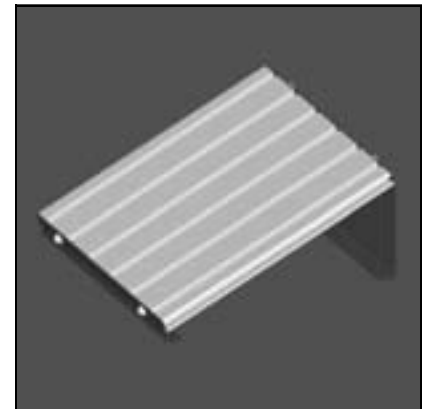
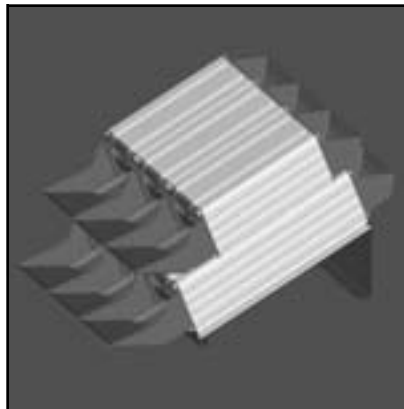
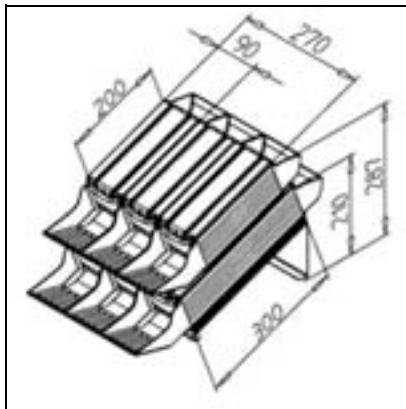
- For assembly workplaces for supply of small parts
- Variable opening height to the grab trays using sliders

ASSEMBLY

- Attach with enclosed mounting set to console 300
- Set on shelf **Part No 32.0501/0**

CONSOLE 300

Part. N° 32.0860/0



TECHN. DATA / ITEMS SUPPLIED

- Carrier section fabrication from aluminium profile 270 x 19
- Feet made of powder-coated steel

APPLICATIONS

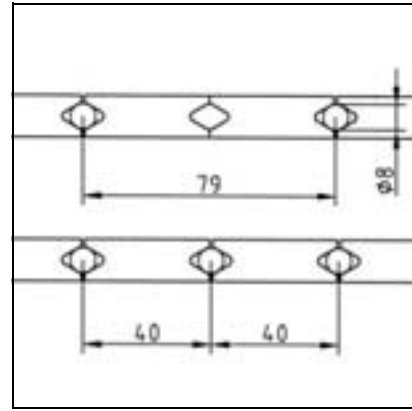
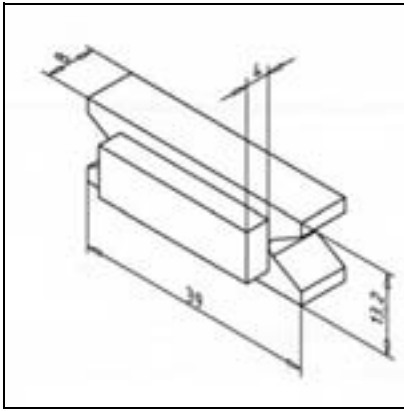
- For assembly workplaces for supply of small parts
- Can be positioned ergonomically on the tabletop

ASSEMBLY

- For holding grab containers

SPACER 39

Part. N° 22.1197/0



TECHN. DATEN / ITEMS SUPPLIED

- Spacer 39, PP black
- For shaft \varnothing 8 mm
- Weight 0,002 kg

APPLICATION

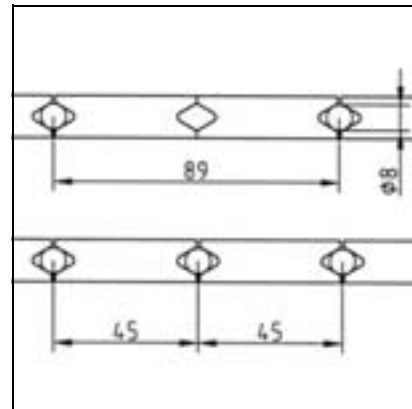
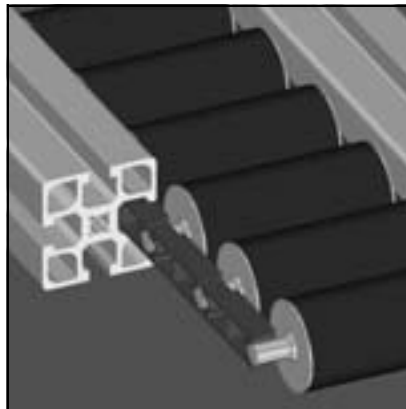
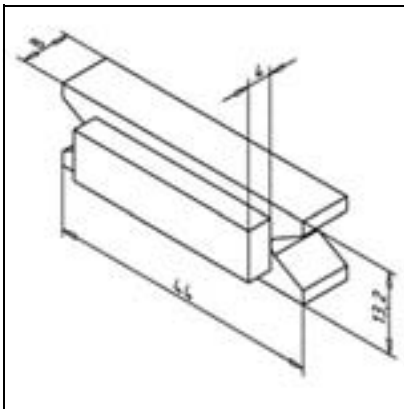
- For manufacturing roller conveyors with equal pitch spacing
- Suitable for all system grooves
- Possible pitch 40 und 79

ASSEMBLY

- Push in groove, alternating spacer and conveyor roller
- Clamp the first and the last spacer

SPACER 44

Part. N° 22.1198/0



TECHN. DATEN / ITEMS SUPPLIED

- Spacer 44, PP black
- For shaft \varnothing 8 mm
- Weight 0,003 kg

APPLICATION

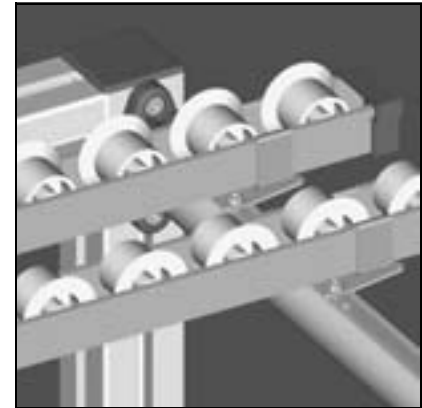
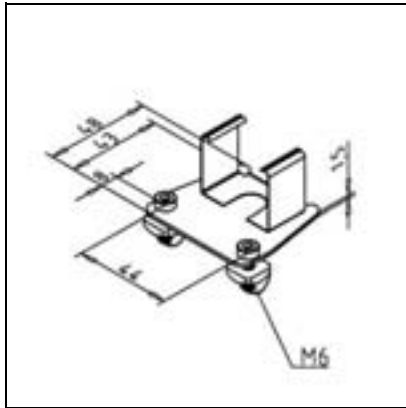
- For manufacturing roller conveyors with equal pitch spacing
- Suitable for all system grooves
- Possible pitch 45 und 89

ASSEMBLY

- Push in groove, alternating spacer and conveyor roller
- Clamp the first and the last spacer

ROLLER STRIP FASTENING

Part. N° 32.0574/0



TECHN. DATA / ITEMS SUPPLIED

- Fixing plate steel VA
- Thickness 1,5 mm
- With the fastening material and spring clamps for roller strip
- Weight 0,053 kg/m

APPLICATIONS

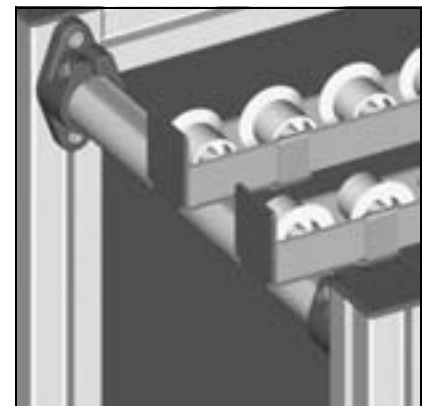
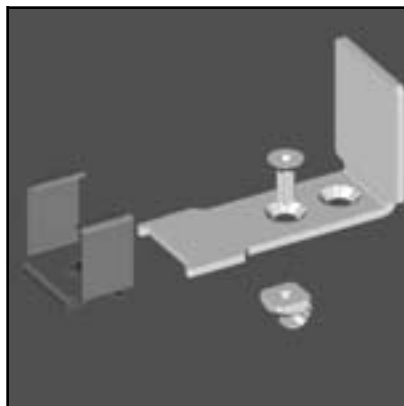
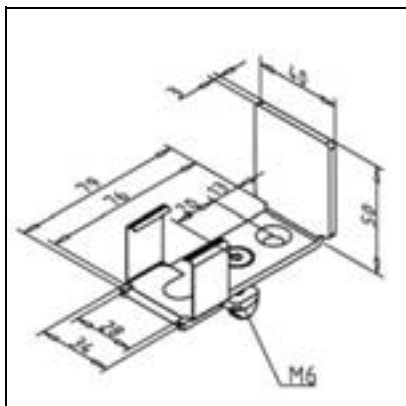
- for fastening roller strip without processing

ASSEMBLY

- For inclining roller tracks, handle profile **Art.-Nr. 20.1088/0** connected to a flange bearing 32 **Art.-Nr. 22.1016/0** or use a collar 32 **Art.-Nr. 22.1022/0**

ROLLER STRIP END STOP

Part. N° 32.0569/0



TECHN. DATEN / ITEMS SUPPLIED

- Stainless steel end stop
- Thickness 3 mm
- with the fastening material and spring clamps for roller strip
- Gewicht 0,104 kg/m

ANWENDUNG

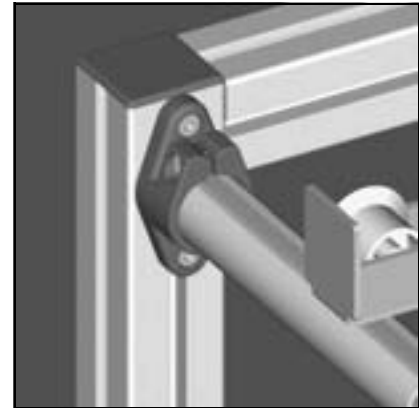
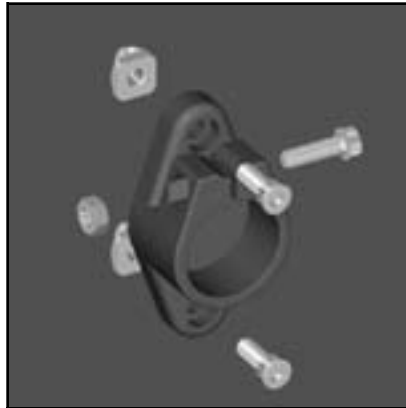
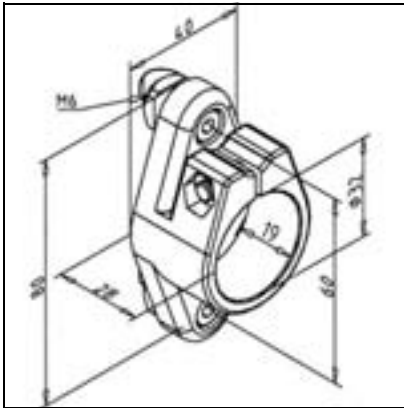
- Use as end stop for roller strip
- Install without drilling

MONTAGE

- Use fixing kit from supply schedule
- For inclining roller tracks, handle profile **Art.-Nr. 20.1088/0** connected to a flange bearing 32 **Art.-Nr. 22.1016/0** or use a collar 32 **Art.-Nr. 22.1022/0**

FLANGE BEARING 32

Part. N° 22.1016/0



TECHN. DATEN / ITEMS SUPPLIED

- Flange bearing ABS, grey
- With fixing kit
- Gewicht 0,104 kg/m

ANWENDUNG

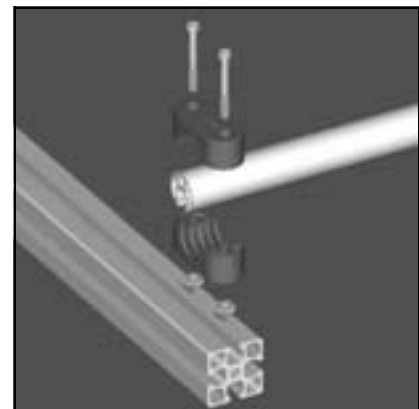
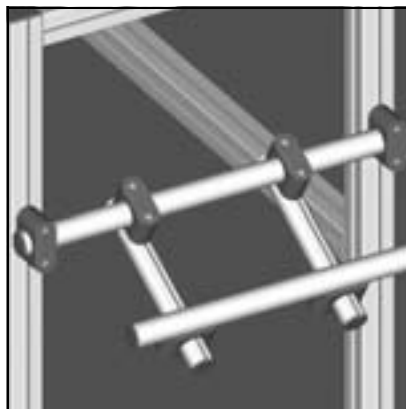
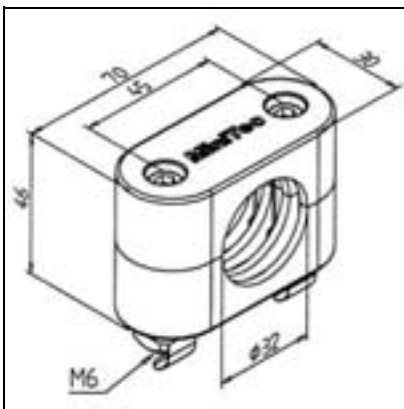
- For angle adjustable installation of handle profile 32 for roller strip

MONTAGE

- Use fastening material to fasten to base frame
- Push in handle profile 32 and clamp using screws

STRAP HANDLE PROFILE 32

Part. N° 22.1022/0



TECHN. DATA / ITEMS SUPPLIED

- Material: ABS, RAL 7012
- Fixing kit
- Weight 0,02 kg

APPLICATIONS

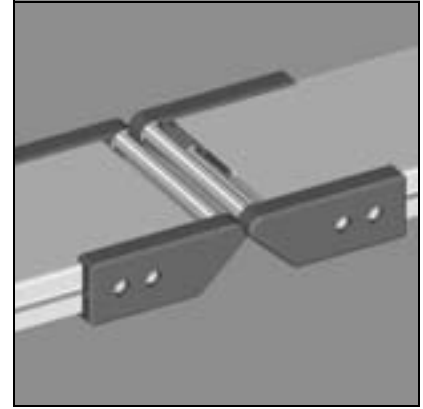
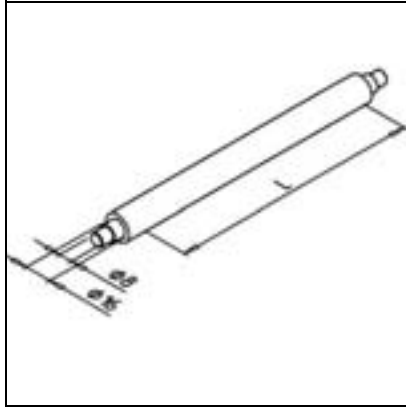
- For handle profile 32
- Adjustable angle handle
- Simple equipment and frames

ASSEMBLY

- Pivot in slide nuts
- Insert handle profile into the 2 half-shells
- Fasten with bolts

RETURN SHAFT 16 KNIFE EDGE

Part. N° 29.5313/0



TECHN. DATEN / ITEMS SUPPLIED

- Steel
- Not spherical
- Shaft journal $\varnothing 8$
- Weight 1,578 kg/m
- Please specify dimension L (belt width), max. 300 mm

APPLICATION

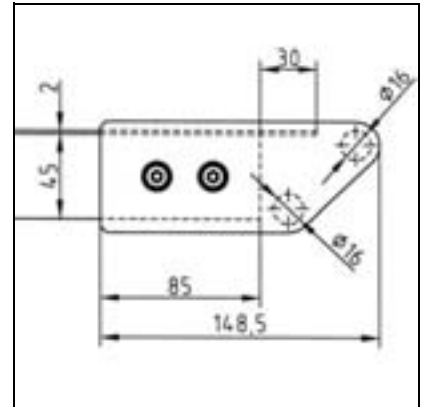
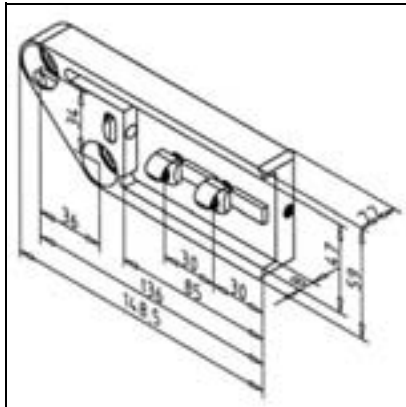
- Return shaft for knife edge belt
- For small transport goods and light loads

ASSEMBLY

- Align shaft exactly with bracket to avoid misalignment for the bearing

DRUM BEARING RIGHT KNIFE EDGE

Part. N° 29.5311/0



TECHN. DATEN / ITEMS SUPPLIED

- Aluminium , powder coated, grey
- Deep groove ball bearing with $\varnothing 8$ bore
- With fixing kit
- Weight 0,375 kg/m

APPLICATION

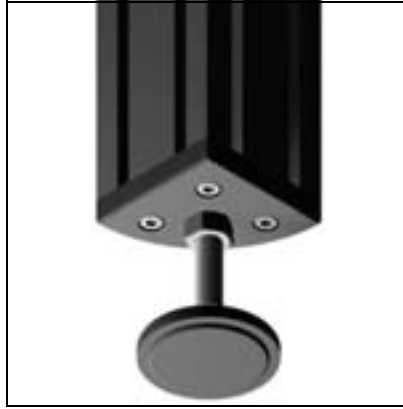
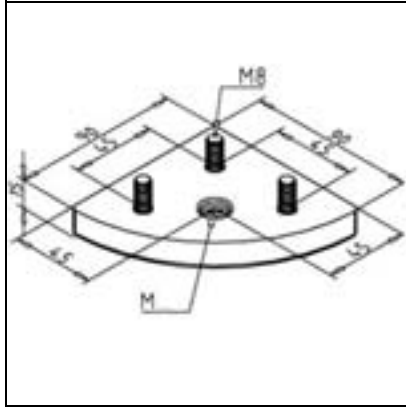
- Knife edge return shaft bearing
- For small transport goods and light loads

ASSEMBLY

- Use fixing kit from supply schedule
- Align shaft exactly with angle to avoid offset for the bearing

CONNECTING PLATE 90 R 90°

Part. N°



M10	0,277 kg	21.0009/0
M12	0,275 kg	21.0010/0
M16	0,272 kg	21.0011/0
M20	0,268 kg	21.0012/0

TECHN. DATA / ITEMS SUPPLIED

- Aluminium, powder coated, grey
- With fixing kit

APPLICATIONS

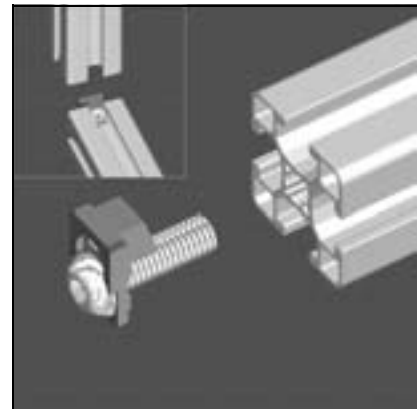
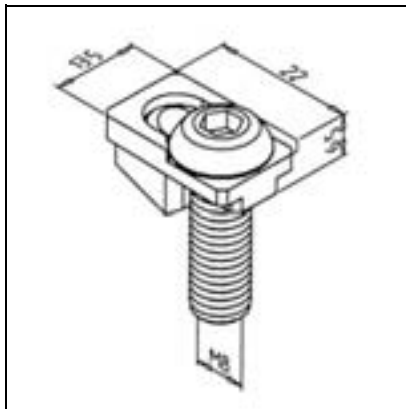
- Central fastening the locating feet to the 90 R 90° profiles

ASSEMBLY

- Use fixing kit from supply schedule
- - Threat M10, Art. Nr. 21.0009/0
- - Threat M12, Art. Nr. 21.0010/0
- - Threat M16, Art. Nr. 21.0011/0
- - Threat M20, Art. Nr. 21.0012/0

MINITEC POWER-LOCK FASTENER 30

Part. N° 21.0014/0



TECHN. DATA / ITEMS SUPPLIED

- 1 connecting element, zinc plated
- 1 Hex socket cap screw M8 x 25, galvanized
- Weight 0,029 kg

APPLICATIONS

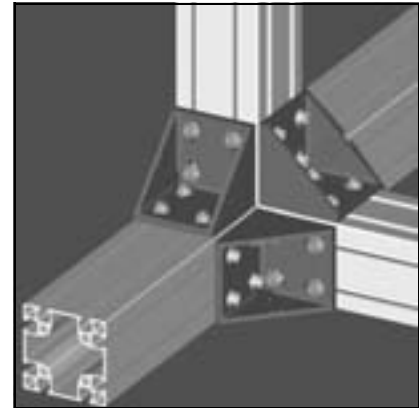
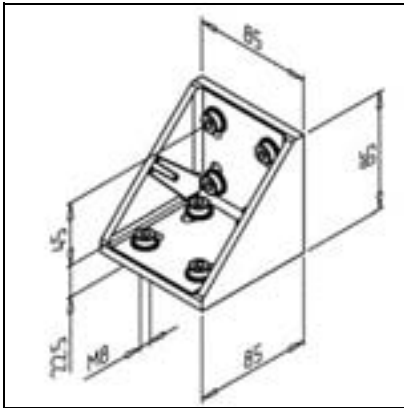
- Power-lock connection for profiles series 30
- Also suitable for crossjoints

ASSEMBLY

- Mount fastener by hand onto profileface
- Tighten setscrew M8 with key SW 4
- Recommended locking torque 12 Nm

ANGLE 90 GD-Z

Part. N° 21.0978/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- Weight 0,460 kg

APPLICATIONS

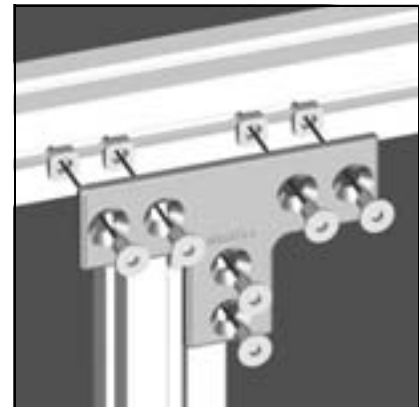
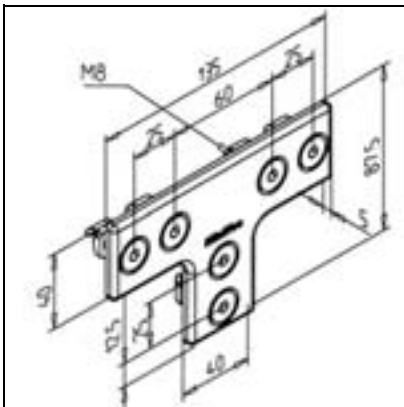
- For profiles 90 and 180
- General constructions, particularly useful for subsequent fitting of profiles into existing constructions
- Fixing of panel elements, table tops
- Strengthening of all profile connections

ASSEMBLY

- Use fixing kit from supply schedule
- For subsequent mounting into vertical profiles use square nut M8 with position-fixing **Part N° 21.1351/2**
- Hammer head screw can be used
- Recommended locking torque 20 Nm

T-SHEET VA

Part. N° 21.0019/0



TECHN. DATA / ITEMS SUPPLIED

- Sheet stainless steel
- Fixing kit

APPLICATIONS

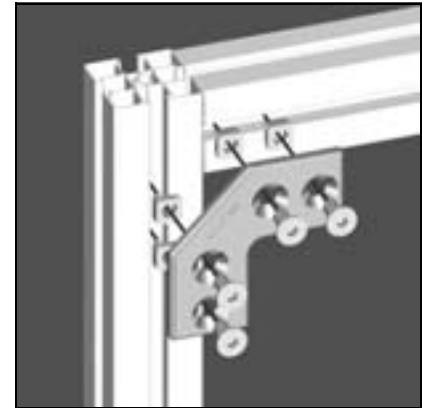
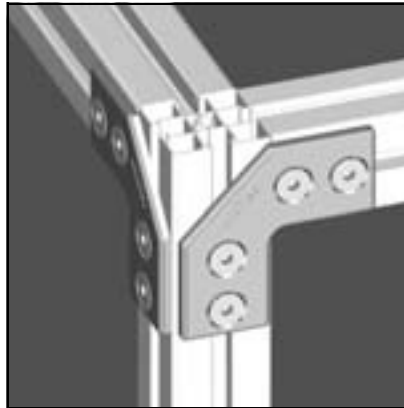
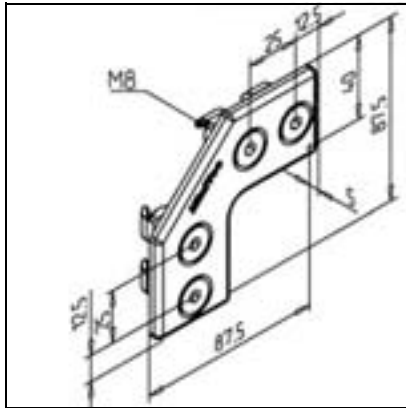
- Strengthening of profile-assemblies
- Particularly for VA-profiles

ASSEMBLY

- Use fixing kit from supply schedule
- Use power-lock fasteners if tractive forces appear

ANGLE-SHEET VA

Part. N° 21.0018/0



TECHN. DATA / ITEMS SUPPLIED

- Sheet stainless steel
- Fixing kit

APPLICATIONS

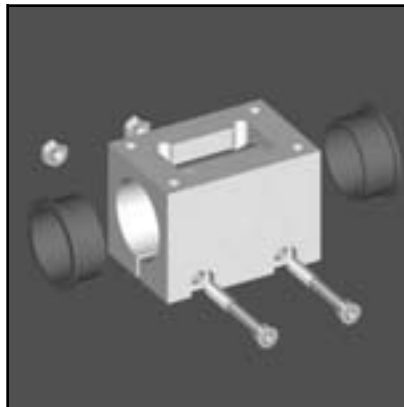
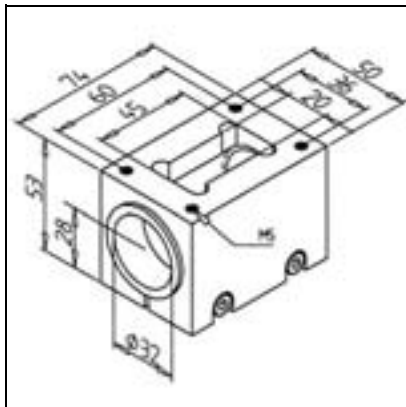
- Strengthening of profile-assemblies
- Also suitable for cross-joints (double application)
- Particularly for VA-profiles

ASSEMBLY

- Use fixing kit from supply schedule
- Use power-lock fasteners if tractive forces appear

SLIDE G 32

Part. N° 28.0355/0



TECHN. DATA / ITEMS SUPPLIED

- Slide aluminium anodized
- slide bearing plastic
- Without adjusting units
- Weight 0,314 kg

APPLICATIONS

- to adjust light barriers, reflectors, side guides etc.

ASSEMBLY

- Insert the slides of the mini adjustment unit into the sliding guides and turn the spindle
- Adjust using the play of the M6 tensioning screw
- Fasten the spindle bearing to the handle profile 32

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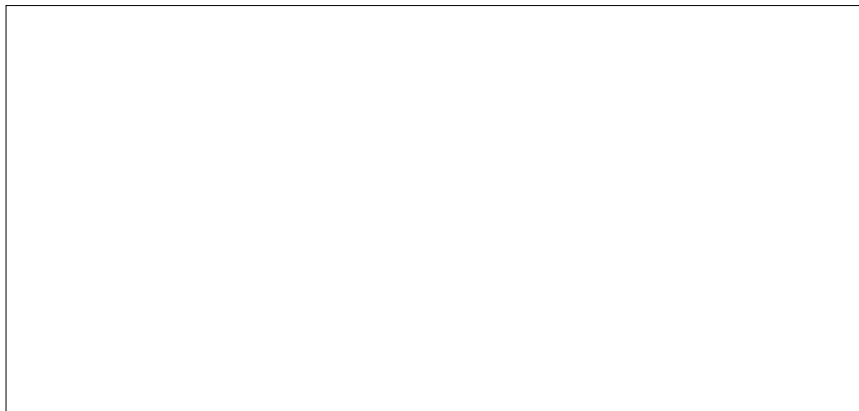
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