1 PROFILE SYSTEM
PROFILE SECTIONS

Profile 45 x 45 2GG

Part No. 20.1099/0

Cover profile 45 x 45 R

Part No. 20.1037/0

Profile 45 x 45 3G

Part No. 20.1048/0

Profile 45 x 45 VA

Part No. 20.2000/0

Profile 45 x 45 R

Part No. 20.1046/0

Profile 45 R 90°

Part No. 20.1069/0

Profile 45 R 60°

Part No. 20.1096/0

Profile 45 R 45°

Part No. 20.1095/0

Profile 45 R 30°

Part No. 20.1094/0

Profile 45/45°

Part No. 20.1029/0

Profile 45/22,5°

Part No. 20.1030/0
PROFILE SECTIONS

Profile 90 x 19

Profile 90 x 32 UL

Profile 45 x 90 UL

Profile 45 x 90 F

Profile 45 x 90

Profile 45 x 90 S

Profile 45 x 90 G

Part No. 20.1031/0

Part No. 20.1066/0

Part No. 20.1067/0

Part No. 20.1032/0

Part No. 20.1017/0

Part No. 20.1015/0

Part No. 20.1009/0
PROFILE SECTIONS

Profile 45 x 60 F
Part No. 20.1023/0

Profile 60 x 60 F
Part No. 20.1049/0

Profile 45 x 135 F
Part No. 20.1087/0

Profile 45 x 135 1G
Part No. 20.1078/0

Profile 45 x 180 1 G
Part No. 20.1079/0
PROFILE SECTIONS

Profile 90 x 90 L

Part No. 20.1010/0

Profile 90 x 90 S

Part No. 20.1019/0
PROFILE SYSTEM
ALUMINIUM PROFILES

PROFILE SECTIONS

Profile 90 x 90 2G

Part No. 20.1044/0

Profile 90 x 90 G

Part No. 20.1082/0
PROFILE SECTIONS

Profile 90 R 90°  Part No. 20.1091/0

Profile 32 x 180  Part No. 20.1016/0

Profile 90 x 180 S  Part No. 20.1013/0
PROFILE SECTIONS

Handle profile
Part No. 20.1045/0

Handle profile 32
Part No. 20.1088/0

Profile 19 x 270
Part No. 20.1077/0

Angular profile 89 x 89
Part No. 20.1011/0

Sliding door profile
Part No. 20.1038/0
### PROFILE 19 X 32

**Part. N° 20.1000/0**

<table>
<thead>
<tr>
<th>TECHN. DATA / ITEMS SUPPLIED</th>
<th>APPLICATIONS</th>
<th>ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>- $l_x = 3,102 \text{ cm}^3$</td>
<td>- Light constructions</td>
<td>- MiniTec power-lock fastener</td>
</tr>
<tr>
<td>- $l_y = 1,526 \text{ cm}^3$</td>
<td>- Panel frames</td>
<td>- Angle 19</td>
</tr>
<tr>
<td>- $w_x = 1,651 \text{ cm}^3$</td>
<td>- Light supports</td>
<td>- Bolt-fastener 15</td>
</tr>
<tr>
<td>- $w_y = 1,606 \text{ cm}^3$</td>
<td>- Grip rails</td>
<td>- Screw connection</td>
</tr>
<tr>
<td>- Weight 0.987 kg/m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Length 6 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Packing unit 60 m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PROFILE 19 X 45

**Part. N° 20.1001/0**

<table>
<thead>
<tr>
<th>TECHN. DATA / ITEMS SUPPLIED</th>
<th>APPLICATIONS</th>
<th>ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>- $l_x = 6,173 \text{ cm}^3$</td>
<td>- Light supports, Bracings</td>
<td>- MiniTec power-lock fastener</td>
</tr>
<tr>
<td>- $l_y = 1,843 \text{ cm}^3$</td>
<td>- Light constructions</td>
<td>- Angle 19</td>
</tr>
<tr>
<td>- $w_x = 2,743 \text{ cm}^3$</td>
<td>- Panel frames</td>
<td>- Bolt-fastener 15</td>
</tr>
<tr>
<td>- $w_y = 1,836 \text{ cm}^3$</td>
<td>- Shelves</td>
<td>- Screw connection</td>
</tr>
<tr>
<td>- Weight 1,101 kg/m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Length 6 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Packing unit 60 m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PROFILE 45 X 19**

**Part. N° 20.1012/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $I_x = 6,045 \text{ cm}^4$
- $I_y = 1,529 \text{ cm}^4$
- $W_x = 2,687 \text{ cm}^3$
- $W_y = 1,494 \text{ cm}^3$
- Weight: 0.869 kg/m
- Length: 6 m
- Packing unit: 72 m

**APPLICATIONS**
- Light constructions
- Light Sliding windows
- Bracings
- Support plates
- Base plate

**ASSEMBLY**
- Angle 25
- Bolt-fastener

---

**PROFILE 32 X 32 UL**

**Part. N° 20.1064/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $I_x = 4,100 \text{ cm}^4$
- $I_y = 4,100 \text{ cm}^4$
- $W_x = 2,267 \text{ cm}^3$
- $W_y = 2,267 \text{ cm}^3$
- Weight: 1.052 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- Light constructions
- Tables
- Horizontal or vertical-sliding doors
- Bracings

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19
- Bolt-fastener 15
- Screw connection
PROFILE 32 X 32 F

Part. N° 20.1054/0

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 4,825 \text{ cm}^3$
- $l_y = 4,825 \text{ cm}^3$
- $w_x = 2,703 \text{ cm}^3$
- $w_y = 2,703 \text{ cm}^3$
- Weight: 1,288 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- Light constructions
- Tables
- Horizontal or vertical-sliding doors
- Bracings

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19
- Bolt-fastener 15
- Screw connection

---

CLAMP PROFILE 32 X 32

Part. N° 20.1070/0

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 5,024 \text{ cm}^3$
- $l_y = 4,418 \text{ cm}^3$
- $w_x = 3,041 \text{ cm}^3$
- $w_y = 2,398 \text{ cm}^3$
- Weight: 1,211 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- All types of safety equipment
- For clamping surface elements such as wire mesh, panes, and plates up to a thickness of 8 mm
- Additional struts from clamp profile 45 x 32 must be used for larger safety fields to ensure sufficient protection against the surface elements pushing out; separate out covering strips for profile 45 x 32
- see page 156

**ASSEMBLY**
- MiniTec power-lock fastener; no bores required
- No cut-outs in surface elements required
- Premount 3 sides of the frame, the eve side of the profile outwards
- Insert surface element and last profile strut
- Push in distance profile on the inside or knock in with a flat tool
- For panel elements <4 mm mount an additional insert seal
- Distance profile Part N° 22.1039/0 see page 164
PROFILE 45 X 32 UL

Part. N° 20.1065/0

TECHN. DATA / ITEMS SUPPLIED

- $l_x = 8,292 \text{ cm}^4$
- $l_y = 5,178 \text{ cm}^4$
- $w_x = 3,685 \text{ cm}^3$
- $w_y = 2,815 \text{ cm}^3$
- Weight 1,257 kg/m
- Length 6 m
- Packing unit 48 m

APPLICATIONS

- General constructions
- Light constructions
- Tables
- Racks
- Sliding doors

ASSEMBLY

- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Bolt-fastener 15 / 20
- Screw connection

PROFILE 45 X 32 F

Part. N° 20.1055/0

TECHN. DATA / ITEMS SUPPLIED

- $l_x = 10,189 \text{ cm}^4$
- $l_y = 6,499 \text{ cm}^4$
- $w_x = 4,528 \text{ cm}^3$
- $w_y = 3,762 \text{ cm}^3$
- Weight 1,588 kg/m
- Length 6 m
- Packing unit 48 m

APPLICATIONS

- General constructions
- Tables
- Racks
- Sliding doors
- Rails

ASSEMBLY

- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Bolt-fastener 15 / 20
- Screw connection
CLAMP PROFILE 45 X 32

- **Part. N°**: 20.1053/0

**TECHN. DATA / ITEMS SUPPLIED**
- \( lx = 6,465 \text{ cm}^4 \)
- \( ly = 9,521 \text{ cm}^4 \)
- \( wx = 3,999 \text{ cm}^3 \)
- \( wy = 4,119 \text{ cm}^3 \)
- Weight: 1,615 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- All types of safety equipment
- For clamping surface elements such as wire mesh, panes, and plates up to a thickness of 8 mm
- Additional struts from clamp profile 45 x 32 must be used for larger safety fields to ensure sufficient protection against the surface elements pushing out
- Separate out covering strips for profile 45 x32
- See page 156

**ASSEMBLY**
- MiniTec power-lock fastener; no bores necessary
- No cut-outs in panel elements for fastening elements necessary
- Premount 3 sides of the frame, the eve side of the profile outwards
- Insert surface element and mount last profile brace
- Depress the distance profile on the inner side or hit it with a flat tool
- For panel elements < 4 mm mount an additional insert seal
- See page 164

PROFILE 45 X 45 UL

- **Part. N°**: 20.1063/0

**TECHN. DATA / ITEMS SUPPLIED**
- \( lx = 9,953 \text{ cm}^4 \)
- \( ly = 9,953 \text{ cm}^4 \)
- \( wx = 4,423 \text{ cm}^3 \)
- \( wy = 4,423 \text{ cm}^3 \)
- Weight: 1,445 kg/m
- Length: 6 m
- Packing unit: 54 m

**APPLICATIONS**
- General weight, optimized engineering structures
- General constructions

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19/25/45/45 x 90
- Bolt-fastener 20
- Screw connection
**PROFILE 45 X 45 F**

<table>
<thead>
<tr>
<th>TECHN. DATA / ITEMS SUPPLIED</th>
<th>APPLICATIONS</th>
<th>ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>- lx = 14,172 cm²</td>
<td>- General constructions</td>
<td>- MiniTec power-lock fastener</td>
</tr>
<tr>
<td>- ly = 14,172 cm²</td>
<td></td>
<td>- Angle 19 / 25 / 45 / 45 x 90</td>
</tr>
<tr>
<td>- wx = 6,298 cm³</td>
<td></td>
<td>- Bolt-fastener 20</td>
</tr>
<tr>
<td>- wy = 6,298 cm³</td>
<td></td>
<td>- Screw connection</td>
</tr>
<tr>
<td>- Weight 2,005 kg/m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Length 6 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Packing unit 36 m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PROFILE 45 X 45**

<table>
<thead>
<tr>
<th>TECHN. DATA / ITEMS SUPPLIED</th>
<th>APPLICATIONS</th>
<th>ASSEMBLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>- lx = 15,934 cm²</td>
<td>- General constructions</td>
<td>- MiniTec power-lock fastener</td>
</tr>
<tr>
<td>- ly = 15,934 cm²</td>
<td>- Compressed air piping</td>
<td>- Angle 25 / 45, bolt-fastener, screw connection</td>
</tr>
<tr>
<td>- wx = 7,081 cm³</td>
<td>- Linear guides</td>
<td>- Bore Ø 11.7 mm reborable for piping thread G 1/4&quot; for connection of blanking screws or pneumatic elements</td>
</tr>
<tr>
<td>- wy = 7,081 cm³</td>
<td></td>
<td>- Lateral connections G 1/8&quot; direct into the profile. Wider connecting-bores by use of pneumatic adapting plate</td>
</tr>
<tr>
<td>- Weight 2,192 kg/m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Length 6 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Packing unit 36 m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**PROFILE 45 X 45 G**

**Part. N° 20.1028/0**

### TECHN. DATA / ITEMS SUPPLIED
- \( lx = 14,087 \text{ cm}^4 \)
- \( ly = 14,087 \text{ cm}^4 \)
- \( wx = 6,261 \text{ cm}^3 \)
- \( wy = 6,261 \text{ cm}^3 \)
- Weight: 1,997 kg/m
- Length: 6 m
- Packing unit: 36 m

### APPLICATIONS
- General constructions, 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, when they turn out to be too big
- On request we offer silicon sealings for profile connections

### ASSEMBLY
- For tightening the MiniTec power-lock fastener, the groove cover must be opened by tear-off lever Part N° 26.0815/0 at the profile end. This opening is covered by means of the cover plate G Part N° 22.1056/0
- Angle 25 / 45
- The grooves can be opened up to any length with the tear-off lever Part N° 26.0815/0
- Cover with end cap Part N° 22.1056/0
- Angle 25 / 45

**PROFILE 45 X 45 2G**

**Part. N° 20.1072/0**

### TECHN. DATA / ITEMS SUPPLIED
- \( lx = 13,549 \text{ cm}^4 \)
- \( ly = 13,549 \text{ cm}^4 \)
- \( wx = 5,938 \text{ cm}^3 \)
- \( wy = 5,938 \text{ cm}^3 \)
- Weight: 1,925 kg/m
- Length: 6 m
- Packing unit: 36 m

### APPLICATIONS
- General constructions, 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, when they turn out to be too big
- On request we offer silicon sealings for profile connections

### ASSEMBLY
- 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
- Cover with end cap Part N° 22.1056/0
- Angle 25 / 45
PROFILE 45 X 45 2GG

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 13,069 \text{ cm}^4$
- $l_y = 14,045 \text{ cm}^4$
- $w_x = 5,808 \text{ cm}^3$
- $w_y = 6,242 \text{ cm}^3$
- Weight $1,925 \text{ kg/m}$
- Length $6 \text{ m}$
- Packing unit $36 \text{ m}$

**APPLICATIONS**
- General constructions, 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, when they turn out to be too big
- On request we offer silicon sealings for profile connections

**ASSEMBLY**
- 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
- Cover with end cap Part N° 22.1056/0
- Angle 25 / 45

PROFILE 45 X 45 3G

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 13,554 \text{ cm}^4$
- $l_y = 14,049 \text{ cm}^4$
- $w_x = 5,941 \text{ cm}^3$
- $w_y = 6,244 \text{ cm}^3$
- Weight $1,953 \text{ kg/m}$
- Length $6 \text{ m}$
- Packing unit $36 \text{ m}$

**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, when they turn out to be too big
- On request we offer silicon sealings for profile connections

**ASSEMBLY**
- For tightening the MiniTec 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
- Angle 25 / 45
- The grooves can be opened up to any length with the tear-off lever Part N° 26.0815/0
PROFILE 45 X 45 R

**TECHN. DATA / ITEMS SUPPLIED**
- $I_x = 8,296 \text{ cm}^4$
- $I_y = 12,997 \text{ cm}^4$
- $W_x = 3,247 \text{ cm}^3$
- $W_y = 5,776 \text{ cm}^3$
- Weight: 1,711 kg/m
- Length: 6 m
- Packing unit: 36 m

**APPLICATIONS**
- Combination of constructional element and:
  - Cable duct
  - Guiding groove for belt conveyor
  - Place of deposit
  - Guide for cable chain
  - Profile for roller strip

**ASSEMBLY**
- MiniTec power-lock fastener
- The lateral grooves can be opened up to any length with the tear-off lever
  Part No. 26.0815/0

COVER 45 X 45 R

**TECHN. DATA / ITEMS SUPPLIED**
- PVC impact resistant, grey
- Weight: 0.110 kg/m
- Length: 2 m

**APPLICATIONS**
- Covering of profiles 45 x 45 R

**ASSEMBLY**
- Cover is fastened by clipping
**PROFILE 45  R 90°**

**Part. N° 20.1069/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( l_x = 9,138 \text{ cm}^4 \)
- \( l_y = 9,138 \text{ cm}^4 \)
- \( w_x = 3,581 \text{ cm}^3 \)
- \( w_y = 3,581 \text{ cm}^3 \)
- Weight: 1,478 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- Light construction
- Tables
- Racks
- Framework constructions

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 45 R 90°
- Bolt-fastener
- Cross bolt-fastener

**PROFILE 45  R 60°**

**Part. N° 20.1096/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( l_x = 11,446 \text{ cm}^4 \)
- \( l_y = 10,280 \text{ cm}^4 \)
- \( w_x = 3,667 \text{ cm}^3 \)
- \( w_y = 3,752 \text{ cm}^3 \)
- Weight: 1,575 kg/m
- Length: 6 m
- Packing unit: 48 m

**APPLICATIONS**
- Cover with angle
- Tables
- Racks
- Framework constructions

**ASSEMBLY**
- MiniTec power-lock fastener
- Cross bolt-fastener
- Bolt-fastener
PROFILE 45° R 45°

**TECHN. DATA / ITEMS SUPPLIED**
- lx = 12,457 cm²
- ly = 11,296 cm²
- wx = 3,976 cm³
- wy = 3,837 cm³
- Weight 1,607 kg/m
- Length 6 m
- Packing unit 48 m

**APPLICATIONS**
- Cover with angle
- Tables
- Racks
- Framework constructions

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

Part. N° 20.1095/0

PROFILE 45° R 30°

**TECHN. DATA / ITEMS SUPPLIED**
- lx = 12,138 cm²
- ly = 11,006 cm²
- wx = 4,018 cm³
- wy = 3,883 cm³
- Weight 1,626 kg/m
- Length 6 m
- Packing unit 48 m

**APPLICATIONS**
- Cover with angle
- Tables
- Racks
- Framework constructions

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

Part. N° 20.1094/0
**PROFILE 45°**

**PROFILE 45/45°**

**Part. N° 20.1029/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 8,626 \text{ cm}^4$
- $l_y = 8,626 \text{ cm}^4$
- $w_x = 3,315 \text{ cm}^3$
- $w_y = 3,315 \text{ cm}^3$
- Weight $1,443 \text{ kg/m}$
- Length $6 \text{ m}$
- Packing unit $48 \text{ m}$

**APPLICATIONS**
- Light constructions
- Tables
- Framework constructions

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 45°
- Cross Bolt-fastener
- Angle 45 / 90
- Bolt-fastener

**PROFILE 45/22.5°**

**Part. N° 20.1030/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $l_x = 14,506 \text{ cm}^4$
- $l_y = 33,432 \text{ cm}^4$
- $w_x = 7,934 \text{ cm}^3$
- $w_y = 8,515 \text{ cm}^3$
- Weight $2,225 \text{ kg/m}$
- Length $6 \text{ m}$
- Packing unit $36 \text{ m}$

**APPLICATIONS**
- Protective devices
- Tables
- Connection of construction elements at an angle of 45°

**ASSEMBLY**
- MiniTec power-lock fastener
- Mounting angle
- Bolt-fastener
PROFILE 90 X 19

- Part. N° 20.1031/0

**TECHN. DATA / ITEMS SUPPLIED**
- lx = 3,316 cm$^4$
- ly = 44,948 cm$^4$
- wx = 3,345 cm$^3$
- wy = 9,988 cm$^3$
- Weight 1,820 kg/m
- Length 6 m
- Packing unit 48 m

**APPLICATIONS**
- Base plates
- Bearing surfaces
- Slide plate for linear guide
- Plates for floor fastening
- Showcases

**ASSEMBLY**
- Bolt-fastener
- Mounting angle

---

PROFILE 90 X 32 UL

- Part. N° 20.1066/0

**TECHN. DATA / ITEMS SUPPLIED**
- lx = 10,627 cm$^4$
- ly = 64,889 cm$^4$
- wx = 5,832 cm$^3$
- wy = 14,340 cm$^3$
- Weight 2,464 kg/m
- Length 6 m
- Packing unit 36 m

**APPLICATIONS**
- General constructions
- General weight, optimized engineering structures
- Tables
- Racks
- Protective devices

**ASSEMBLY**
- MiniTec power-lock fastener
- Cross Bolt-fastener
- Mounting angle
- Screw connector
- The groove on top can be opened at any length by means of a tear-off lever
  Part N° 26.0815/0
**PROFILE 45 X 90 UL**

**Part. N° 20.1067/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $lx = 73,907 \text{ cm}^3$
- $ly = 19,194 \text{ cm}^3$
- $wx = 16,423 \text{ cm}^3$
- $wy = 8,530 \text{ cm}^3$
- Weight: 2,421 kg/m
- Length: 6 m
- Packing unit: 24 m

**APPLICATIONS**
- General weight, optimized engineering structures
- Counterweighted sliding doors and devices

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Bolt-fastener 20
- Screw connection

**PROFILE 45 X 90 F**

**Part. N° 20.1032/0**

**TECHN. DATA / ITEMS SUPPLIED**
- $lx = 100,988 \text{ cm}^3$
- $ly = 24,340 \text{ cm}^3$
- $wx = 22,441 \text{ cm}^3$
- $wy = 10,818 \text{ cm}^3$
- Weight: 3,134 kg/m
- Length: 6 m
- Packing unit: 24 m

**APPLICATIONS**
- General constructions
- Counterweighted sliding doors and devices

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Bolt-fastener
**PROFILE 45 X 90**

**Part. N° 20.1009/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( lx = 113,205 \text{ cm}^2 \)
- \( ly = 28,584 \text{ cm}^2 \)
- \( wx = 25,156 \text{ cm}^3 \)
- \( wy = 12,704 \text{ cm}^3 \)
- Weight: 3,667 kg/m
- Length: 6 m
- Packing unit: 24 m

**APPLICATIONS**
- General heavy duty construction
- 4 cavities for compressed air piping
- Cavity is not suitable for counterweights

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 25 / 45 / 90
- Bolt-fastener
- Bore Ø 11.7 mm reborable for piping thread G 1/4" for connection of blanking screws or pneumatic elements
- Lateral connections G 1/8" direct into the profile. Wider connecting bores by use of pneumatic adapting plate

**PROFILE 45 X 90 S**

**Part. N° 20.1017/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( lx = 113,487 \text{ cm}^2 \)
- \( ly = 30,719 \text{ cm}^2 \)
- \( wx = 25,219 \text{ cm}^3 \)
- \( wy = 13,653 \text{ cm}^3 \)
- Weight: 3,860 kg/m
- Length: 6 m
- Packing unit: 24 m

**APPLICATIONS**
- Universal for general heavy duty constructions
- Linear guides LB
- Pillar guides
- 5 cavities for compressed air piping
- Central bore Ø 32 mm for ball-bushings LME 20, for ball-bearings 6201 or 6002, for compressed air piping or guiding of hydraulic add-in cylinders

**ASSEMBLY**
- MiniTec power-lock fastener
- Cross bolt-fastener
- Angle 45 / 90
- Screw connection
PROFILE 45 X 90 G

**TECHN. DATA / ITEMS SUPPLIED**
- $lx = 101,241 \text{ cm}^4$
- $ly = 25,318 \text{ cm}^4$
- $wx = 22,498 \text{ cm}^3$
- $wy = 11,252 \text{ cm}^3$
- Weight 3,191 kg/m
- Length 6 m
- Packing unit 24 m

**APPLICATIONS**
- General constructions, particularly for use in the food industry, in medical engineering and for the filling of beverages, where strict hygienic standards are set
- Guidance of inner counterweights in central cavity

**ASSEMBLY**
- MiniTec power-lock fastener
- All 6 grooves can be opened up to the length desired
- For series production the groove cover be removed easily and without burr by means of a tear-off lever

Part N° 20.1015/0

PROFILE 45 X 60 F

**TECHN. DATA / ITEMS SUPPLIED**
- $lx = 32,068 \text{ cm}^4$
- $ly = 17,587 \text{ cm}^4$
- $wx = 10,689 \text{ cm}^3$
- $wy = 7,816 \text{ cm}^3$
- Weight 2,603 kg/m
- Length 6 m
- Packing unit 24 m

**APPLICATIONS**
- General constructions
- Corner post in large guard units
- Compatible with all system profiles

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Central boring for thread M8

Part N° 20.1023/0
**PROFILE 60 X 60 F**

**Part. N° 20.1049/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( \text{lx} = 40,715 \text{ cm}^3 \)
- \( \text{ly} = 40,715 \text{ cm}^3 \)
- \( \text{wx} = 13,571 \text{ cm}^3 \)
- \( \text{wy} = 13,571 \text{ cm}^3 \)
- Weight: 3,655 kg/m
- Length: 6 m
- Packing unit: 24 m

**APPLICATIONS**
- General constructions
- Corner post in large guard units
- Compatible with all system profiles

**ASSEMBLY**
- MiniTec power-lock fastener
- Angle 19 / 25 / 45 / 45 x 90
- Central boring for thread M10

---

**PROFILE 45 X 135 1G**

**Part. N° 20.1078/0**

**TECHN. DATA / ITEMS SUPPLIED**
- \( \text{lx} = 359,242 \text{ cm}^3 \)
- \( \text{ly} = 47,064 \text{ cm}^3 \)
- \( \text{wx} = 20,618 \text{ cm}^3 \)
- \( \text{wy} = 53,221 \text{ cm}^3 \)
- Weight: 5,570 kg/m
- Length: 6 m
- Packing unit: 12 m

**APPLICATIONS**
- General constructions, particularly for use in the food industry, in medical engineering and for the filling of beverages, where strict hygienic standards are set
- Linear guides
- Central bore Ø 32 mm for ball-bushings LME 20, for ball-bearings 6201 or 6002, for compressed air piping or guiding of hydraulic add-in cylinders

**ASSEMBLY**
- MiniTec power-lock fastener
- 3 closed grooves can be opened up to the desired length, by means of the tear-off lever Part N° 26.0815/0