Conveyor Systems

The Logistics Modules in Production, Assembly and Packaging
Conveyor system
Conveyor system

<table>
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<th></th>
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</thead>
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</tr>
<tr>
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<td>FS-1</td>
</tr>
<tr>
<td>FL</td>
<td>FL-1</td>
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<tr>
<td>FM</td>
<td>FM-1</td>
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<td>FH-1</td>
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<td>CA</td>
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<td>PAL</td>
<td>PAL-1</td>
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<td>FC</td>
<td>FC-1</td>
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<tr>
<td>Index</td>
<td>IDX-1</td>
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</table>
Conveyor system F45

Contents
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End drive units 5
Idler unit 6
Horizontal plain bend 7
Chains
Plain chain

**FUTP 3A45**  
Plain chain  
Length 3 mt

**F5113047**  
Plain link

**FUTP 3A45V**  
Cleated chain  
Length 3 mt

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Conveyor beam

**Beam**

**FUCB 3**
Length 3 mt

**Slide rail**

**FTCR 25H**
Polyethylene
HDPE+PA6 Gray

**FLAH 3X6A**
Aluminium rivet

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**End drive units**

**FUEB 0 LU**
Drive unit
Transmission on left-hand side

**FUEB 0 RU**
Drive unit
Transmission on left-hand side
Idler end unit

**FUEJ 50**  
Idler end unit

Dimensions:
- Length: 69 mm
- Width: 45 mm
## Horizontal plain bends

<table>
<thead>
<tr>
<th>Item</th>
<th>Angle(a)</th>
<th>Radius(R)</th>
<th>Length(L)</th>
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<tr>
<td>FUBP 30R150</td>
<td>30°</td>
<td>150 ±5 mm</td>
<td>86 mm</td>
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<tr>
<td>FUBP 45R150</td>
<td>45°</td>
<td>150 ±5 mm</td>
<td>111 mm</td>
</tr>
<tr>
<td>FUBP 90R150</td>
<td>90°</td>
<td>150 ±5 mm</td>
<td>212.5 mm</td>
</tr>
<tr>
<td>FUBP 180R150</td>
<td>180°</td>
<td>150 ±5 mm</td>
<td>212.5 mm</td>
</tr>
</tbody>
</table>

**FUBP 180R150**  
Horizontal plain bend, 180°

**FUBP 90R150**  
Horizontal plain bend, 90°

**FUBP 45R150**  
Horizontal plain bend, 45°

**FUBP 30R150**  
Horizontal plain bend, 30°
Chains
Chains

**Plain chain**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSTP 5</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td>FSTL 44</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

**Cleated chain**

**Type D cleats**

<table>
<thead>
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<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSTF 5X3 D</td>
<td>Cleated chain</td>
<td>3 mt</td>
<td>3 mm</td>
</tr>
<tr>
<td>FSTF 5X5.5 D</td>
<td>Cleated chain</td>
<td></td>
<td>5.5 mm</td>
</tr>
<tr>
<td>FSTF 5X9 D</td>
<td>Cleated chain</td>
<td></td>
<td>9 mm</td>
</tr>
<tr>
<td>FSTF 5X20 D</td>
<td>Cleated chain</td>
<td></td>
<td>20 mm</td>
</tr>
<tr>
<td>FSTF 5X27 D</td>
<td>Cleated chain</td>
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<td>27 mm</td>
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</table>

**Type G cleats**

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<th>Description</th>
<th>Length</th>
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<tr>
<td>FSTF 5X3 G</td>
<td>Cleated chain</td>
<td>3 mt</td>
<td>3 mm</td>
</tr>
<tr>
<td>FSTF 5X5 G</td>
<td>Cleated chain</td>
<td></td>
<td>5 mm</td>
</tr>
<tr>
<td>FSTF 5X9 G</td>
<td>Cleated chain</td>
<td></td>
<td>9 mm</td>
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**Tools and accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLTT 9X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FLTD 4X36</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FLMJ 4</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>
Conveyor beam
## Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Beam</td>
<td>FSCB 3 Length 3 m</td>
</tr>
<tr>
<td>Slide rail</td>
<td>FSCR 25 Length 25 m</td>
</tr>
<tr>
<td></td>
<td>FSCR 25U Polyethylene</td>
</tr>
<tr>
<td></td>
<td>HDPE White/Black</td>
</tr>
<tr>
<td></td>
<td>FSCR 25U UHMW White</td>
</tr>
<tr>
<td></td>
<td>FLAH 3X6A Aluminium rivet</td>
</tr>
<tr>
<td>Connecting strip with set screws</td>
<td>FSCJ 6X130 Length 130 mm</td>
</tr>
<tr>
<td></td>
<td>FSCJ 6X160 Length 160 mm</td>
</tr>
<tr>
<td>T-slot cover, 50M/Rol</td>
<td>FLAB 50 Length 50 m</td>
</tr>
<tr>
<td>FLMR 140</td>
<td>Mounting tool</td>
</tr>
</tbody>
</table>

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Conveyor beam

Beam outer
FSCB 3H  Length 3 m

Beam inner
FSCB 3J  Length 3 m
End drive units

**FSEB 0HLA**  
Drive unit  
Transmission on left-hand side

**FSEB 0HRA**  
Drive unit  
Transmission on right-hand side
Horizontal bend drive unit

FSEW 180/0H  Horizontal bend drive unit, 180°

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Idler end unit

FSEJ 320  Idler end unit

FSEJ 200  Idler end unit
Horizontal wheel bends
Horizontal wheel bends

Horizontal wheel bend, 30°

FSBH 30R150  Radius to centre of chain 150 mm
FSBH 30R150A  with protective cover

Horizontal wheel bend, 45°

FSBH 45R150  Radius to centre of chain 150 mm
FSBH 45R150A  with protective cover

Horizontal wheel bend, 90°

FSBH 90R150  Radius to centre of chain 150 mm
FSBH 90R150A  with protective cover

Horizontal wheel bend, 180°

FSBH 180R150  Radius to centre of chain 150 mm
FSBH 180R150A  with protective cover
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

- **FSBP 30R500**  \( R=500 \text{ mm} \)
- **FSBP 30R700**  \( R=700 \text{ mm} \)
- **FSBP 30R1000**  \( R=1000 \text{ mm} \)

Horizontal plain bend, 45°
Radius to centre of beam:

- **FSBP 45R500**  \( R=500 \text{ mm} \)
- **FSBP 45R700**  \( R=700 \text{ mm} \)
- **FSBP 45R1000**  \( R=1000 \text{ mm} \)

Horizontal plain bend, 60°
Radius to centre of beam:

- **FSBP 60R500**  \( R=500 \text{ mm} \)
- **FSBP 60R700**  \( R=700 \text{ mm} \)
- **FSBP 60R1000**  \( R=1000 \text{ mm} \)

Horizontal plain bend, 90°
Radius to centre of beam:

- **FSBP 90R500**  \( R=500 \text{ mm} \)
- **FSBP 90R700**  \( R=700 \text{ mm} \)
- **FSBP 90R1000**  \( R=1000 \text{ mm} \)

* Note: Special angles on request.
Vertical bends
Vertical bends

Vertical bend, 5°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSBV 5R300</td>
<td>300</td>
<td>186</td>
<td>8</td>
</tr>
<tr>
<td>FSBV 5R400</td>
<td>400</td>
<td>195</td>
<td>9</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>FSBV 7R300</td>
<td>300</td>
<td>196</td>
<td>12</td>
</tr>
<tr>
<td>FSBV 7R400</td>
<td>400</td>
<td>208</td>
<td>13</td>
</tr>
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</table>

Vertical bend, 15°
Radius to centre of beam:

<table>
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<th>R</th>
<th>A</th>
<th>B</th>
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</thead>
<tbody>
<tr>
<td>FSBV 15R300</td>
<td>300</td>
<td>235</td>
<td>31</td>
</tr>
<tr>
<td>FSBV 15R400</td>
<td>400</td>
<td>261</td>
<td>34</td>
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</table>

Vertical bend, 30°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSBV 30R300</td>
<td>300</td>
<td>299</td>
<td>80</td>
</tr>
<tr>
<td>FSBV 30R400</td>
<td>400</td>
<td>349</td>
<td>94</td>
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</tbody>
</table>

* Note: Special angles on request.

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Vertical bends

Vertical bend, 45°
Radius to centre of beam:

FSBV 45R300  R=300 mm
FSBV 45R400  R=400 mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSBV</td>
<td>300</td>
<td>349</td>
<td>145</td>
</tr>
<tr>
<td>FSBV</td>
<td>400</td>
<td>419</td>
<td>174</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

FSBV 60R300  R=300 mm
FSBV 60R400  R=400 mm

<table>
<thead>
<tr>
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<th>R</th>
<th>A</th>
<th>B</th>
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<tr>
<td>FSBV</td>
<td>300</td>
<td>380</td>
<td>219</td>
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<tr>
<td>FSBV</td>
<td>400</td>
<td>466</td>
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Vertical bend, 90°
Radius to centre of beam:

FSBV 90R300  R=300 mm
FSBV 90R400  R=400 mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSBV</td>
<td>300</td>
<td>380</td>
<td>380</td>
</tr>
<tr>
<td>FSBV</td>
<td>400</td>
<td>480</td>
<td>480</td>
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* Note: Special angles on request.

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Conveyor system FL

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Chains
**Plain chain**

- **FLTP 5**
  - Plain chain
  - Length 5 mt

- **FLTL 63**
  - Plain link

**Cleated chain**

**Cleated chain Type A**

- Length 5 mt
- FLTF 5X4 A...
  - H=4 mm *
- FLTF 5X5.5 A...
  - H=5.5 mm *
- FLTF 5X9 A...
  - H=9 mm
- FLTF 5X12 A...
  - H=12 mm
- FLTF 5X15 A...
  - H=15 mm
- FLTF 5X17 A...
  - H=17 mm
- FLTF 5X30 A...
  - H=30 mm

**Cleated link**

- FLTL 63X4 A
  - H=4 mm *
- FLTL 63X5.5 A
  - H=5.5 mm *
- FLTL 63X9 A
  - H=9 mm
- FLTL 63X12 A
  - H=12 mm
- FLTL 63X15 A
  - H=15 mm
- FLTL 63X17 A
  - H=17 mm
- FLTL 63X30 A
  - H=30 mm

**Cleated chain Type B**

- Length 5 mt
- FLTF 5X12 B...
  - Cleated chain
- FLTL 63X12 B
  - Cleated link

**Cleated chain Type C**

- Length 5 mt
- FLTF 5X12 C...
  - H=12 mm
- FLTF 5X15 C...
  - H=15 mm
- FLTF 5X30 C...
  - H=30 mm

- Cleated link
- FLTL 63X12 C
  - H=12 mm
- FLTL 63X15 C
  - H=15 mm
- FLTL 63X30 C
  - H=30 mm cleats
### Friction top chain

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLTP 5 F</td>
<td>Friction top chain</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FLTL 63 F</td>
<td>Friction top link</td>
<td></td>
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</tbody>
</table>

### Steel top chain

<table>
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<th>Part Code</th>
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<th>Dimensions</th>
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<tbody>
<tr>
<td>FLTP 5 TF</td>
<td>Steel top chain</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FLTL 63 TF</td>
<td>Steel top link</td>
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### Roller top chain

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<th>Part Code</th>
<th>Description</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>FLTR 5</td>
<td>Roller top chain</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FLTL 63 R</td>
<td>Roller top link</td>
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### Flexible cleat chain

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<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>FLTE 5 D</td>
<td>Flexible cleat chain Type D</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FLTM 63 D</td>
<td>Flexible cleat link assembly Type D (link base and flexible cleat top) Cleated link</td>
<td></td>
</tr>
<tr>
<td>FLTX 55 D</td>
<td>Flexible cleat top (replacement)</td>
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</tbody>
</table>
## Tools and accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>FLTT 9X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FLTD 4X36</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FLMJ 4</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
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Conveyor beam
# Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Beam</strong></td>
<td><strong>FLCB 3</strong> Length 3 m</td>
</tr>
<tr>
<td><strong>Slide rail</strong></td>
<td><strong>FLCR 25</strong> HDPE Black, <strong>FLCR 25U</strong> UHMW White, <strong>FLCR 25P</strong> PVDF White, <strong>FLCR 25H</strong> HDPE+PE6 Gray, <strong>FLAH 4X6A</strong> Aluminium rivet, <strong>FLAH 4X8A</strong> Aluminium rivet, <strong>FLAG 5</strong> Plastic screw</td>
</tr>
<tr>
<td><strong>FLCC 160</strong> Beam section for chain installation including connection strips and screws</td>
<td></td>
</tr>
<tr>
<td><strong>Connecting strip with set screws</strong></td>
<td><strong>FLCJ 6X130</strong> Length 130 mm, <strong>FLCJ 6X160</strong> Length 160 mm</td>
</tr>
<tr>
<td><strong>T-slot cover</strong></td>
<td><strong>FLAB 50</strong> Length 50 m</td>
</tr>
<tr>
<td><strong>F3920500</strong> Drill fixture for slide rail</td>
<td></td>
</tr>
<tr>
<td><strong>FLMR 140</strong> Mounting tool</td>
<td></td>
</tr>
</tbody>
</table>

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Conveyor beam

Half beam
FLCB 3H  Length 3 m

Beam clip
FLCE 29X20

Split Conveyor beam assembled
Length 3mt
Articulated beam section

FLCH 5V  Articulated beam section, vertical

Slide rail: see "Conveyor beam".
End drive units

Direct drive
End drive units

**FLEB 0HLA**  Drive unit  Transmission on left-hand side

**FLEB 0HRA**  Drive unit  Transmission on right-hand side

**FLEB 0HLPA**  Drive unit  Direct drive, left-hand side

**FLEB 0HRPA**  Drive unit  Direct drive, right-hand side
Intermediate drive units

**FLER OHL**
Drive unit  
Transmission on left-hand side

**FLER OHR**
Drive unit  
Transmission on right-hand side
Catenary drive units

FLEC 0HL  Drive unit
Transmission on
left-hand side

FLEC 0HR  Drive unit
Transmission on
right-hand side
Horizontal bend drive unit

FLEW 180/0H  Horizontal bend drive unit, 180°
Idler end units

FLEJ 320  Idler end unit

FLEJ 200S  Idler end unit

FLSJ 182  Protective cover for idler end unit
## Idler end unit

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEJ 200</td>
<td>Idler end unit</td>
<td>80 x 200 x 65</td>
</tr>
<tr>
<td>FLEK 90R40</td>
<td>Idler end unit, 90°</td>
<td>80 x 206 x 65</td>
</tr>
</tbody>
</table>

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Horizontal wheel bends
FL-Horizontal wheel bends

Horizontal wheel bend, 30°

FLBH 30R150  Radius to centre of chain 150 mm
FLBH 30R150A with protective cover

Horizontal wheel bend, 45°

FLBH 45R150  Radius to centre of chain 150 mm
FLBH 45R150A with protective cover

Horizontal wheel bend, 60°

FLBH 60R150  Radius to centre of chain 150 mm
FLBH 60R150A with protective cover

Horizontal wheel bend, 90°

FLBH 90R150  Radius to centre of chain 150 mm
FLBH 90R150A with protective cover
## FL-Horizontal wheel bends

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 120°</th>
<th>FLBH 120R150</th>
<th>Radius to centre of chain 150 mm</th>
<th>FLBH 120R150A</th>
<th>with protective cover</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 180°</th>
<th>FLBH 180R150</th>
<th>Radius to centre of chain 150 mm</th>
<th>FLBH 180R150A</th>
<th>with protective cover</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 210°</th>
<th>FLBH 210R150</th>
<th>Radius to centre of chain 150 mm</th>
<th>FLBH 210R150A</th>
<th>with protective cover</th>
</tr>
</thead>
</table>
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

- FLBP 30R500 \( R=500 \) mm
- FLBP 30R700 \( R=700 \) mm
- FLBP 30R1000 \( R=1000 \) mm

Horizontal plain bend, 45°
Radius to centre of beam:

- FLBP 45R500 \( R=500 \) mm
- FLBP 45R700 \( R=700 \) mm
- FLBP 45R1000 \( R=1000 \) mm

Horizontal plain bend, 60°
Radius to centre of beam:

- FLBP 60R500 \( R=500 \) mm
- FLBP 60R700 \( R=700 \) mm
- FLBP 60R1000 \( R=1000 \) mm

Horizontal plain bend, 90°
Radius to centre of beam:

- FLBP 90R500 \( R=500 \) mm
- FLBP 90R700 \( R=700 \) mm
- FLBP 90R1000 \( R=1000 \) mm

Support rail for plain bends
F5048390 Length 2.4mt

* Note: Special angles on request.
Vertical bends
**Vertical bends**

**Vertical bend, 5°**
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>FLBV 5R300</th>
<th>FLBV 5R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>300 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 5R300</td>
<td>300</td>
<td>186</td>
<td>8</td>
</tr>
<tr>
<td>FLBV 5R400</td>
<td>400</td>
<td>195</td>
<td>9</td>
</tr>
</tbody>
</table>

**Note: Special angles on request.**

**Vertical bend, 7°**
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>FLBV 7R300</th>
<th>FLBV 7R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>300 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 7R300</td>
<td>300</td>
<td>196</td>
<td>12</td>
</tr>
<tr>
<td>FLBV 7R400</td>
<td>400</td>
<td>208</td>
<td>13</td>
</tr>
</tbody>
</table>

**Vertical bend, 15°**
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>FLBV 15R300</th>
<th>FLBV 15R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>300 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 15R300</td>
<td>300</td>
<td>235</td>
<td>31</td>
</tr>
<tr>
<td>FLBV 15R400</td>
<td>400</td>
<td>261</td>
<td>34</td>
</tr>
</tbody>
</table>

**Vertical bend, 30°**
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>FLBV 30R300</th>
<th>FLBV 30R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>300 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 30R300</td>
<td>300</td>
<td>299</td>
<td>80</td>
</tr>
<tr>
<td>FLBV 30R400</td>
<td>400</td>
<td>349</td>
<td>94</td>
</tr>
</tbody>
</table>
Vertical bends

Vertical bend, 45°
Radius to centre of beam:

- FLBV 45R300 \( R = 300 \) mm
- FLBV 45R400 \( R = 400 \) mm
- FLBV 45R1000 \( R = 1000 \) mm

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 45R300</td>
<td>300</td>
<td>349</td>
<td>145</td>
</tr>
<tr>
<td>FLBV 45R400</td>
<td>400</td>
<td>419</td>
<td>174</td>
</tr>
<tr>
<td>FLBV 45R1000</td>
<td>1000</td>
<td>844</td>
<td>350</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

- FLBV 60R300 \( R = 300 \) mm
- FLBV 60R400 \( R = 400 \) mm

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 60R300</td>
<td>300</td>
<td>380</td>
<td>219</td>
</tr>
<tr>
<td>FLBV 60R400</td>
<td>400</td>
<td>466</td>
<td>269</td>
</tr>
</tbody>
</table>

Vertical bend, 90°
Radius to centre of beam:

- FLBV 90R300 \( R = 300 \) mm
- FLBV 90R400 \( R = 400 \) mm
- FLVB 90R1000 \( R = 1000 \) mm

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBV 90R300</td>
<td>300</td>
<td>380</td>
<td>380</td>
</tr>
<tr>
<td>FLBV 90R400</td>
<td>400</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>FLVB 90R1000</td>
<td>1000</td>
<td>1080</td>
<td>1080</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.
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Front piece
# Front piece

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions/Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLVF 3</td>
<td>Front piece</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>FLVG 2</td>
<td>Sliding strip for front piece</td>
<td>Length 2 mt</td>
</tr>
<tr>
<td>FLVA 45R352</td>
<td>Upper bend, 45°</td>
<td>Radius 352 mm, includes connecting strip with screws</td>
</tr>
<tr>
<td>FLVA 60R352</td>
<td>Upper bend, 60°</td>
<td>Radius 352 mm, includes connecting strip with screws</td>
</tr>
<tr>
<td>FLVB 45R245</td>
<td>Lower bend, 45°</td>
<td>Radius 245 mm, includes connecting strip with screws</td>
</tr>
<tr>
<td>FLVB 60R245</td>
<td>Lower bend, 60°</td>
<td>Radius 245 mm, includes connecting strip with screws</td>
</tr>
<tr>
<td>FLVK 33</td>
<td>Linkage kit for front piece</td>
<td>W = 130 mm, D = 33 mm</td>
</tr>
<tr>
<td>FLVK 58</td>
<td>Linkage kit for front piece</td>
<td>W = 180 mm, D = 58 mm</td>
</tr>
</tbody>
</table>

Kit includes two support pairs and one Locking device.
Front piece

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLVS 33</td>
<td>Bend support</td>
<td>D = 33 mm</td>
</tr>
<tr>
<td>FLVS 58</td>
<td>Bend support</td>
<td>D = 58 mm</td>
</tr>
</tbody>
</table>
Drip trays and drip chatchers
# Drip trays

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLDT 3x107 B</td>
<td>Drip tray Length 3 mt</td>
<td><img src="FLDT_3x107_B.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDB 21X100</td>
<td>Drip tray bracket</td>
<td><img src="FLDB_21X100.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDJ 107 B</td>
<td>Drip tray connector With drip outlet Including screw kit</td>
<td><img src="FLDJ_107_B.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLCJ 5X140</td>
<td>Connecting strip with set screws Length 140 mm</td>
<td><img src="FLCJ_5X140.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDE 107 B</td>
<td>End pan for drip tray With drip outlet Including screw kit</td>
<td><img src="FLDE_107_B.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDC 107 B</td>
<td>End cap for drip tray Including screw kit</td>
<td><img src="FLDC_107_B.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Contact Information:

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<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLDH 30X107B</td>
<td>Drip pan for horizontal wheel bend 30° Including screw kit</td>
<td><img src="image1.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDH 45X107B</td>
<td>Drip pan for horizontal wheel bend 45° Including screw kit</td>
<td><img src="image2.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDH 90X107B</td>
<td>Drip pan for horizontal wheel bend 90° Including screw kit</td>
<td><img src="image3.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FLDH 180X107B</td>
<td>Drip pan for horizontal wheel bend 180° Including screw kit</td>
<td><img src="image4.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>
Drip pans

Drip pan, upper, for vertical bend
Including screw kit

<table>
<thead>
<tr>
<th>Model</th>
<th>Angle (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLDV 30X107 BU</td>
<td>30</td>
</tr>
<tr>
<td>FLDV 45X107 BU</td>
<td>45</td>
</tr>
<tr>
<td>FLDV 90X107 BU</td>
<td>90</td>
</tr>
<tr>
<td>FLDV 180X107 BU</td>
<td>180</td>
</tr>
</tbody>
</table>

Drip pan, lower, for vertical bend
Including screw kit

<table>
<thead>
<tr>
<th>Model</th>
<th>Angle (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLDV 30X107 BL</td>
<td>30</td>
</tr>
<tr>
<td>FLDV 45X107 BL</td>
<td>45</td>
</tr>
<tr>
<td>FLDV 90X107 BL</td>
<td>90</td>
</tr>
<tr>
<td>FLDV 180X107 BL</td>
<td>180</td>
</tr>
</tbody>
</table>

FLDV 90X107 B  Drip pan, upper, for 90° vertical bend
With drip outlet
Including screw kit

End pan for idler end unit

FLDD 107 B  End pan for idler end unit
With drip outlet
Including screw kit

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Conveyor system FM

Contents
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Conveyor beam _____________ 6
End drive units _____________ 10
Idler unit _________________ 17
Horizontal wheel bends _____ 18
Horizontal plain bend ________ 21
Vertical bends ____________ 23
Front piece ________________ 25
Drip trays and drip catchers __ 27
### Chain

**Plain chain**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTP 5</td>
<td>Plain chain</td>
<td>5</td>
<td>mt</td>
</tr>
<tr>
<td>FMTL 83</td>
<td>Plain link</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Universal chain**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTF 5 U</td>
<td></td>
<td>5</td>
<td>mt</td>
</tr>
<tr>
<td>FMTL 83 U</td>
<td>Universal link</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The link has a hole for an M6 screw. M6 nut will fit inside the link.

**Cleated chain**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Length</th>
<th>Unit</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTF 5X15 A</td>
<td>Cleated chain Type A</td>
<td>5</td>
<td>mt</td>
<td>15 mm</td>
</tr>
<tr>
<td>FMTF 5X30 A</td>
<td></td>
<td></td>
<td></td>
<td>30 mm</td>
</tr>
<tr>
<td>FMTL 83X15 A</td>
<td>Cleated link</td>
<td></td>
<td></td>
<td>15 mm</td>
</tr>
<tr>
<td>FMTL 83X30 A</td>
<td></td>
<td></td>
<td></td>
<td>30 mm</td>
</tr>
</tbody>
</table>

**Friction top chain**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Length</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTP 5 F</td>
<td>Friction top chain</td>
<td>5</td>
<td>mt</td>
</tr>
<tr>
<td>FMTL 83 F</td>
<td>Friction top link</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Chain

## Steel top chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTP 5</td>
<td>Steel top link</td>
<td>5 mt</td>
</tr>
<tr>
<td>FMTL 83</td>
<td>Steel top link</td>
<td>5 mt</td>
</tr>
</tbody>
</table>

## Flexible cleat chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTE 5 B</td>
<td>Flexible cleat chain Type B</td>
<td>5 mt</td>
</tr>
<tr>
<td>FMTE 83 B</td>
<td>Flexible cleat link</td>
<td></td>
</tr>
<tr>
<td>FMTE 5 C</td>
<td>Flexible cleat chain Type C</td>
<td>5 mt</td>
</tr>
<tr>
<td>FMTM 83 C</td>
<td>Flexible cleat link assembly. Type C (link base and flexible cleat top)</td>
<td></td>
</tr>
<tr>
<td>FMTX 78 C</td>
<td>Flexible cleat top (replacement)</td>
<td></td>
</tr>
<tr>
<td>FMTE 5 D</td>
<td>Flexible cleat chain Type D</td>
<td>5 mt</td>
</tr>
<tr>
<td>FMTM 83 D</td>
<td>Flexible cleat link assembly. Type D (link base and cleat top)</td>
<td></td>
</tr>
<tr>
<td>FMTX 75 D</td>
<td>Flexible cleat top (replacement)</td>
<td></td>
</tr>
</tbody>
</table>
## Chain

### Roller top chain

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| FMTR 5    | Roller top chain  
|           | Length 5 mt   |
| FMTL 83 R | Roller top link  
|           | This link cannot be combined with plain links |

### Tools and accessories

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMTT 13X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FMTD 6X50</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FMMJ 6</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>

---

**Note.** This type of chain requires minimum one plain link between every cleated link.
Conveyor beam
# Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beam</strong></td>
<td>FMCB 3 Length 3 m</td>
</tr>
<tr>
<td><strong>Slide rail</strong></td>
<td>FLCR 25 HDPE Black, FLCR 25U UHMW White, FLCR 25P PVDF White, FLCR 25H HDPE+PE6 Gray</td>
</tr>
<tr>
<td></td>
<td>FLAH 4X6A Aluminium rivet, FLAH 4X8A Aluminium rivet</td>
</tr>
<tr>
<td></td>
<td>FLAG 5 Plastic screw</td>
</tr>
<tr>
<td><strong>FMCC 160</strong></td>
<td>Beam section for chain installation, including connection strips and screws</td>
</tr>
<tr>
<td><strong>Connecting strip with set screws</strong></td>
<td>FLCJ 6X130 Length 130 mm, FLCJ 6X160 Length 160 mm</td>
</tr>
<tr>
<td><strong>T-slot cover</strong></td>
<td>FLAB 50 Length 50 m</td>
</tr>
<tr>
<td><strong>F3920500</strong></td>
<td>Drill fixture for slide rail</td>
</tr>
<tr>
<td><strong>FMMR 140</strong></td>
<td>Mounting tool</td>
</tr>
</tbody>
</table>

---

**Contact**

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## Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half beam</td>
<td></td>
<td>FMCB 3H</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Length 3 m</td>
</tr>
<tr>
<td>Beam clip</td>
<td></td>
<td>FMCE 49X30</td>
</tr>
<tr>
<td>Split Conveyor beam</td>
<td>assembled</td>
<td>Length 3mt</td>
</tr>
</tbody>
</table>

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Articulated beam section

**FMCH 5V**  Articulated beam section, vertical

Slide rail: see “Conveyor beam”.
End drive units

Direct drive
# End drive units

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| FMEB 0HLA | Drive unit  
Transmission on left-hand side               |
| FMEB 0HRA | Drive unit  
Transmission on right-hand side                |
| FMEB 0HLPA| Drive unit  
Direct drive, left-hand side                    |
| FMEB 0HRPA| Drive unit  
Direct drive, right-hand side                   |
Intermediate drive units

**FMER 0HL**
Drive unit
Transmission on left-hand side

**FMER 0HR**
Drive unit
Transmission on right-hand side
Catenary drive units

FMEC 0HL  
Drive unit  
Transmission on left-hand side

FMEC 0HR  
Drive unit  
Transmission on right-hand side
Horizontal bend drive unit

FMEW 180/0H  Horizontal bend drive unit, 180°
Components for track width adjustment
Width adjustment actuator

**FCLA 660 A**
Width adjustment actuator
Length 660 mm
Including beam and angle gear unit

**FCLA 950 A**
Width adjustment actuator
Length 950 mm
Including beam and angle gear unit

**FCFW 90**
Angle gear unit

**FLFX 3**
Shaft
Length 3 mt

**FLAW 160X10**
Handwheel for 10 mm shaft, diameter 160 mm

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Idler end units

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMEJ 300</td>
<td>Idler end unit</td>
<td>80 x 300 x 85</td>
</tr>
<tr>
<td>FMEJ 315</td>
<td>Idler end unit</td>
<td>80 x 315 x 85</td>
</tr>
<tr>
<td>FMSJ 189</td>
<td>Protective cover for idler end unit</td>
<td>189 x 60 x 39.5</td>
</tr>
<tr>
<td>FMEK 90R50</td>
<td>Idler bend unit, 90 ° Cannot be used with a return chain</td>
<td>93 x 300 x 80</td>
</tr>
</tbody>
</table>
Horizontal wheel bends
FM-Horizontal wheel bends

Horizontal wheel bend, 30°

- **FMBH 30R160**: Radius to centre of chain 160 mm with protective cover
- **FMBH 30R160A**: Radius to centre of chain 160 mm with protective cover

Horizontal wheel bend, 45°

- **FMBH 45R160**: Radius to centre of chain 160 mm with protective cover
- **FMBH 45R160A**: Radius to centre of chain 160 mm with protective cover

Horizontal wheel bend, 60°

- **FMBH 60R160**: Radius to centre of chain 160 mm with protective cover
- **FMBH 60R160A**: Radius to centre of chain 160 mm with protective cover

Horizontal wheel bend, 90°

- **FMBH 90R160**: Radius to centre of chain 160 mm with protective cover
- **FMBH 90R160A**: Radius to centre of chain 160 mm with protective cover
## FM-Horizontal wheel bends

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 120°</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FMBH 120R160</strong></td>
<td>Radius to centre of chain 160 mm</td>
</tr>
<tr>
<td><strong>FMBH 120R160A</strong></td>
<td>with protective cover</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 180°</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FMBH 180R160</strong></td>
<td>Radius to centre of chain 160 mm</td>
</tr>
<tr>
<td><strong>FMBH 180R160A</strong></td>
<td>with protective cover</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Horizontal wheel bend, 210°</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FMBH 210R160</strong></td>
<td>Radius to centre of chain 160 mm</td>
</tr>
<tr>
<td><strong>FMBH 210R160A</strong></td>
<td>with protective cover</td>
</tr>
</tbody>
</table>
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

FMBP 30R500  R=500 mm
FMBP 30R700  R=700 mm
FMBP 30R1000 R=1000mm

Horizontal plain bend, 45°
Radius to centre of beam:

FMBP 45R500  R=500 mm
FMBP 45R700  R=700 mm
FMBP 45R1000 R=1000mm

Horizontal plain bend, 60°
Radius to centre of beam:

FMBP 60R500  R=500 mm
FMBP 60R700  R=700 mm
FMBP 60R1000 R=1000mm

Horizontal plain bend, 90°
Radius to centre of beam:

FMBP 90R500  R=500 mm
FMBP 90R700  R=700 mm
FMBP 90R1000 R=1000mm

Support rail for plain bends
F5048598      Length 2.4mt

*Note: Special angles on request.
Vertical bends

Vertical bend, 5°
Radius to centre of beam:

FMBV 5R400  \( R=400 \text{ mm} \)

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 5R400</td>
<td>400</td>
<td>195</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

FMBV 7R400  \( R=400 \text{ mm} \)

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 7R400</td>
<td>400</td>
<td>208</td>
</tr>
</tbody>
</table>

Vertical bend, 15°
Radius to centre of beam:

FMBV 15R400  \( R=400 \text{ mm} \)
FMBV 15R700  \( R=700 \text{ mm} \)

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 15R400</td>
<td>400</td>
<td>261</td>
</tr>
<tr>
<td>FMBV 15R700</td>
<td>700</td>
<td>338</td>
</tr>
</tbody>
</table>

Vertical bend, 30°
Radius to centre of beam:

FMBV 30R300  \( R=400 \text{ mm} \)
FMBV 30R700  \( R=700 \text{ mm} \)

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 30R400</td>
<td>400</td>
<td>349</td>
</tr>
<tr>
<td>FMBV 30R700</td>
<td>700</td>
<td>449</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

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Vertical bends

Vertical bend, 45°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 45R400</td>
<td>400</td>
<td>419</td>
<td>174</td>
</tr>
<tr>
<td>FMBV 45R1000</td>
<td>1000</td>
<td>844</td>
<td>350</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 60R400</td>
<td>400</td>
<td>466</td>
<td>269</td>
</tr>
<tr>
<td>FMBV 60R1000</td>
<td>1000</td>
<td>986</td>
<td>569</td>
</tr>
</tbody>
</table>

Vertical bend, 90°
Radius to centre of beam:

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMBV 90R400</td>
<td>400</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>FMVB 90R1000</td>
<td>1000</td>
<td>1080</td>
<td>1080</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

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Front piece

FMVF 3  Length 3 mt

FMVG 2  Sliding strip for front piece
        Length 2 mt

FMVA 60R460  Upper bend, 60°
            Radius 460 mm
            Includes connecting strip with screws

FMVB 60R335  Lower bend, 60°
            Radius 335 mm
            Includes connecting strip with screws

FHVK 43    Linkage kit for front piece
            W=170 mm
            D= 43 mm
            Kit consists of two support pairs.

FHVS 43    Bend support
            D= 43 mm
Drip trays and drip catchers
# Drip trays

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMDT 3x127 B</td>
<td>Drip tray Length 3 mt</td>
<td>127</td>
</tr>
<tr>
<td>FLDB 21X100</td>
<td>Drip tray bracket</td>
<td></td>
</tr>
<tr>
<td>FMDJ 127 B</td>
<td>Drip tray connector With drip outlet Including screw kit</td>
<td></td>
</tr>
<tr>
<td>FLCJ 5X140</td>
<td>Connecting strip with set screws Length 140 mm</td>
<td></td>
</tr>
<tr>
<td>FMDE 127 B</td>
<td>End pan for drip tray With drip outlet Including screw kit</td>
<td></td>
</tr>
<tr>
<td>FMDC 127 B</td>
<td>End cap for drip tray Including screw kit</td>
<td></td>
</tr>
</tbody>
</table>

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## Drip pans

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Diagram</th>
</tr>
</thead>
</table>
| FMDH 30X127B | Drip pan for horizontal wheel bend 30°  
Including screw kit | ![Diagram](image1) |
| FMDH 45X127B | Drip pan for horizontal wheel bend 45°  
Including screw kit | ![Diagram](image2) |
| FMDH 90X127B | Drip pan for horizontal wheel bend 90°  
Including screw kit | ![Diagram](image3) |
| FMDH 180X127B | Drip pan for horizontal wheel bend 180°  
Including screw kit | ![Diagram](image4) |

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### Drip pans

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Angle (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMDV 30X127 BU</td>
<td>Drip pan, upper, for vertical bend</td>
<td>30</td>
</tr>
<tr>
<td>FMDV 45X127 BU</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>FMDV 90X127 BU</td>
<td></td>
<td>90</td>
</tr>
<tr>
<td>FMDV 180X127 BU</td>
<td></td>
<td>180</td>
</tr>
</tbody>
</table>

Include screw kit.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Angle (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMDV 30X127 BL</td>
<td>Drip pan, lower, for vertical bend</td>
<td>30</td>
</tr>
<tr>
<td>FMDV 45X127 BL</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>FMDV 90X127 BL</td>
<td></td>
<td>90</td>
</tr>
<tr>
<td>FMDV 180X127 BL</td>
<td></td>
<td>180</td>
</tr>
</tbody>
</table>

Include screw kit.

**FMDV 90X127 B**

Drip pan, upper, for 90° vertical bend

With drip outlet

Including screw kit

**End pan for idler end unit**

**FMDD 127 B**

End pan for idler end unit with drip outlet

Including screw kit

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Conveyor system F85

Contents

Chains 2
Conveyor beam 4
### Plain chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 5A85</td>
<td>Plain chain</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>F5059652</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 5A85 A</td>
<td>Plain chain</td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>F5059685</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTL 5A85 F</td>
<td>Roller top chain</td>
<td></td>
</tr>
<tr>
<td>F8110459</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

### Tools and accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTT 13X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FMTD 6X50</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FMMJ 6</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>

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Conveyor beam
## Conveyor beam

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCB 3A85</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>Slide rail</td>
<td>Length 25 m</td>
</tr>
<tr>
<td>FBCR 25</td>
<td>HDPE White</td>
</tr>
<tr>
<td>FLAH 4X8A</td>
<td>Aluminium rivet</td>
</tr>
<tr>
<td>FLAG 5</td>
<td>Plastic screw</td>
</tr>
<tr>
<td>Connecting strip with set screws</td>
<td>H=20 mm</td>
</tr>
<tr>
<td>FSCJ 6X160</td>
<td>Length 160 mm</td>
</tr>
<tr>
<td>T-slot cover</td>
<td>Aluminium Length 2 mt</td>
</tr>
<tr>
<td>FCAC 2</td>
<td>Polyvinyl chloride</td>
</tr>
<tr>
<td>FCAC 3P</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>F3920500</td>
<td>Drill fixture for slide rail</td>
</tr>
</tbody>
</table>

![Diagram of conveyor beam](image)

![Diagram of T-slot cover](image)

![Diagram of connecting strip](image)

![Diagram of FBCR 25](image)

![Diagram of FLAH 4X8A](image)

![Diagram of FLAG 5](image)

![Diagram of FSCJ 6X160](image)

![Diagram of FCAC 2](image)

![Diagram of FCAC 3P](image)

![Diagram of F3920500](image)
Conveyor system FK

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Chains 2
Conveyor beam 5
End drive units 7
Idler unit 9
Horizontal wheel bends 10
Horizontal plain bends 12
Vertical bends 14
FK-Pallet 16
Plain chain

FKTP 5  Plain chain  Length 5 mt
FKTL 102  Plain link

FKTP 5 A  Plain chain  Length 5 mt
FKTL 102 A  Plain link

Information:
The products FKTP 5 A and FKTL 102 A mentioned in the attached catalogue are not for sale in Germany and United Kingdom and are only determined for requests and sales from outside Germany and United Kingdom. We do not deliver the products FKTP 5 A and FKTL 102 A to recipients inside Germany and United Kingdom. We kindly ask for your understanding.

Universal chain

FKTF 5 U...  Plain chain  Length 5 mt
FKTL 102 U  Plain link

The link has a hole for an M6 screw. M6 nut will fit inside the link.

Cleated chain

Cleated chain  Type A  Length 5 mt
FKTF 5X15 A...  H=15 mm
FKTF 5X20 A...  H=20 mm
FKTF 5X30 A...  H=30 mm
FKTF 5X40 A...  H=40 mm

Cleated link
FKTL 102X15 A  H=15 mm
FKTL 102X20 A  H=20 mm
FKTL 102X30 A  H=30 mm
FKTL 102X40 A  H=40 mm
## Chain

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKTP 5 TF</td>
<td>Plain chain</td>
</tr>
<tr>
<td></td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FKTL 102 TF</td>
<td>Plain link</td>
</tr>
</tbody>
</table>

## Tools and accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKT 22X24</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FKTD 8X62</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FKMJ 8</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>

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Conveyor beam
## Conveyor beam

### Beam

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKCB 3</td>
<td><strong>Beams</strong></td>
<td>3 m</td>
</tr>
</tbody>
</table>

### Slide rail

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKCR 25</td>
<td>HDPE White</td>
<td>25 m</td>
</tr>
<tr>
<td>FKCR 25H</td>
<td>HDPE +PA6 Gray</td>
<td></td>
</tr>
<tr>
<td>FKCR 25U</td>
<td>UHMW White</td>
<td></td>
</tr>
<tr>
<td>FWCR 25P</td>
<td>PVDF</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAH 4X8A</td>
<td>Aluminium rivet</td>
</tr>
<tr>
<td>FWAG 5</td>
<td>Plastic screw</td>
</tr>
</tbody>
</table>

### Beam section for chain installation

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Includes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKCC 200</td>
<td><strong>Beam section</strong></td>
<td>Connection strips and screws</td>
</tr>
</tbody>
</table>

### Connecting strip with set screws

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLCJ 6X130</td>
<td><strong>Connecting strip</strong></td>
<td>130 mm</td>
</tr>
<tr>
<td>FLCJ 6X160</td>
<td></td>
<td>160 mm</td>
</tr>
</tbody>
</table>

### T-slot cover

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCAC 2</td>
<td><strong>Aluminium</strong></td>
<td>Length 2 mt</td>
<td></td>
</tr>
<tr>
<td>FCAC 3P</td>
<td>Polyvinyl chloride</td>
<td>Length 3 mt</td>
<td></td>
</tr>
</tbody>
</table>

### Drill fixture for slide rail

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3920500</td>
<td>Drill fixture</td>
</tr>
</tbody>
</table>

### Mounting tool

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKMR 200</td>
<td>Mounting tool</td>
</tr>
</tbody>
</table>

---

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End drive units

**FKEB 0HLA**
Drive unit
Transmission on left-hand side

**FKEB 0HRA**
Drive unit
Transmission on right-hand side
Catenary drive units

FKEC 0HL
Drive unit
Transmission on left-hand side

FKEC 0HR
Drive unit
Transmission on right-hand side
Idler end units

FKEJ 350  Idler end unit

80  350  105
160
Horizontal wheel bends
FK-Horizontal wheel bends

Horizontal wheel bend, 30°
FKBH 30R200A  Radius to centre of chain 200 mm with protective cover

Horizontal wheel bend, 45°
FKBH 45R200A  Radius to centre of chain 200 mm with protective cover

Horizontal wheel bend, 90°
FKBH 90R200A  Radius to centre of chain 200 mm with protective cover

Horizontal wheel bend, 180°
FKBH 180R200A  Radius to centre of chain 200 mm with protective cover
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

FKBP 30R500  R=500 mm
FKBP 30R700  R=700 mm
FKBP 30R1000  R=1000mm

Horizontal plain bend, 45°
Radius to centre of beam:

FKBP 45R500  R=500 mm
FKBP 45R700  R=700 mm
FKBP 45R1000  R=1000mm

Horizontal plain bend, 60°
Radius to centre of beam:

FKBP 60R500  R=500 mm
FKBP 60R700  R=700 mm
FKBP 60R1000  R=1000mm

Horizontal plain bend, 90°
Radius to centre of beam:

FKBP 90R500  R=500 mm
FKBP 90R700  R=700 mm
FKBP 90R1000  R=1000mm

* Note: Special angles on request.
Vertical bends
# Vertical bends

<table>
<thead>
<tr>
<th>Vertical bend, 5°</th>
<th>Radius to centre of beam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKBV 5R750</td>
<td>R=750 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical bend, 15°</th>
<th>Radius to centre of beam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKBV 15R750</td>
<td>R=750 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical bend, 30°</th>
<th>Radius to centre of beam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKBV 30R750</td>
<td>R=750 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical bend, 45°</th>
<th>Radius to centre of beam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKBV 45R750</td>
<td>R=750 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical bend, 90°</th>
<th>Radius to centre of beam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKBV 90R750</td>
<td>R=750 mm</td>
</tr>
</tbody>
</table>

*Note: Special angles on request.*
FK-Pallet
FK-Pallet

Guide rail for pallets in bends, including connecting strips

F3927174 Outer guide rail, 30°
F3927170 Inner guide rail, 30°

Guide rail for pallets in bends, including connecting strips

F3927173 Outer guide rail, 45°
F3927169 Inner guide rail, 45°

Guide rail for pallets in bends, including connecting strips

F3927172 Outer guide rail, 90°
F3927168 Inner guide rail, 90°

Guide rail for pallets in bends, including connecting strips

F3927171 Outer guide rail, 180°
F3927167 Inner guide rail, 180°
| FKGP 105 A | Guide disc  
Including screws, slide plate, shock absorber |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>F3926430</td>
<td>Shock adsorber</td>
</tr>
<tr>
<td>F3927287</td>
<td>Body of guide disc for pallet</td>
</tr>
</tbody>
</table>
| FKPS 105   | Slide plate, steel  
Including screws |
<table>
<thead>
<tr>
<th>FK-Pallet</th>
<th></th>
</tr>
</thead>
</table>
| **FKGP 105 A** | Guide disc  
Including screws, slide plate, shock absorber |
| **FKPP 250X225** | Pallet 250 mm X 225 mm, fully assembled unit |
| **FKPP 300X300** | Pallet 300 mm X 300 mm, fully assembled unit |
Conveyor system FH

Contents
Chains .......................... 2
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Horizontal plain bends...... 18
Vertical bends ............... 20
Front piece ................... 22
Drip trays and drip catchers 24
## Chain

### Plain chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTP 5</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td>FHTL 103</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

### Cleated chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Type</th>
<th>Length</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTF 5X15 A...</td>
<td>Cleated chain Type A</td>
<td></td>
<td>5 mt</td>
<td>15 mm</td>
</tr>
<tr>
<td>FHTF 5X20 A...</td>
<td></td>
<td></td>
<td></td>
<td>20 mm</td>
</tr>
<tr>
<td>FHTF 5X30 A...</td>
<td></td>
<td></td>
<td></td>
<td>30 mm</td>
</tr>
<tr>
<td>FHTF 5X40 A...</td>
<td></td>
<td></td>
<td></td>
<td>40 mm</td>
</tr>
<tr>
<td>FHTL 103X15 A</td>
<td>Cleated link</td>
<td></td>
<td></td>
<td>H=15 mm</td>
</tr>
<tr>
<td>FHTL 103X20 A</td>
<td></td>
<td></td>
<td></td>
<td>H=20 mm</td>
</tr>
<tr>
<td>FHTL 103X30 A</td>
<td></td>
<td></td>
<td></td>
<td>H=30 mm</td>
</tr>
<tr>
<td>FHTL 103X40 A</td>
<td></td>
<td></td>
<td></td>
<td>H=40 mm</td>
</tr>
</tbody>
</table>

### Friction top chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTP 5 F...</td>
<td>Friction top chain</td>
<td>5 mt</td>
</tr>
<tr>
<td>FHTL 103 F</td>
<td>Friction top link</td>
<td></td>
</tr>
</tbody>
</table>

### Steel top chain

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTP 5 TF</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td>FHTL 103 TF</td>
<td>Steel top link</td>
<td></td>
</tr>
</tbody>
</table>
## Chain

### Roller top chain

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTR 5</td>
<td>Roller top chain</td>
<td>35.5 x 35.5</td>
</tr>
<tr>
<td></td>
<td>Length 5 mt</td>
<td>12.5 x 12.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>27.5 x 27.5</td>
</tr>
<tr>
<td>FHTL 103 R</td>
<td>Roller top link</td>
<td>103 x 103</td>
</tr>
<tr>
<td></td>
<td>This link cannot be combined with plain links.</td>
<td>19.3 x 19.3</td>
</tr>
</tbody>
</table>

### FHTF 5X46 R...

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chain with roller cleats</td>
<td>35.5 x 35.5</td>
</tr>
<tr>
<td></td>
<td>Length 5 mt</td>
<td>12.5 x 12.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>27.5 x 27.5</td>
</tr>
<tr>
<td>FHTL 103X46 R</td>
<td>Link with roller cleats</td>
<td>103 x 103</td>
</tr>
</tbody>
</table>

Note. This type of chain requires minimum. One plain link between every cleated link.

### Tools and accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHTT 18X19</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FHTD 6X70</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FHMJ 6</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>

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Conveyor beam
## Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam</td>
<td>FHC 3 Length 3 m</td>
</tr>
<tr>
<td>Slide rail</td>
<td>FLAH 4X6A Aluminium rivet, FLAH 4X8A Aluminium rivet</td>
</tr>
<tr>
<td>Slide rail</td>
<td>FLAG 5 Plastic screw</td>
</tr>
<tr>
<td>FHCC 160</td>
<td>Beam section for chain installation, including connection strips and screws</td>
</tr>
<tr>
<td>Connecting strip with set screws</td>
<td>FLCJ 6X130 Length 130 mm, FLCJ 6X160 Length 160 mm</td>
</tr>
<tr>
<td>T-slot cover</td>
<td>FLAB 50 Length 50 m</td>
</tr>
<tr>
<td>F3920500</td>
<td>Drill fixture for slide rail</td>
</tr>
<tr>
<td>FHMR 200</td>
<td>Mounting tool</td>
</tr>
</tbody>
</table>

---

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Conveyor beam

Half beam
FHCB 3H Length 3 mt

Mounting Clip
FHCE 69X30

Split Conveyor beam assembled
Length 3 mt
Articulated beam section

**FHCH 5V**
Articulated beam section vertical

Slide rail: see “Conveyor beam”.
End drive units

Direct drive
## End drive units

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Diagram</th>
</tr>
</thead>
</table>
| **FHEB 0HLA** | Drive unit  
Transmission on left-hand side | ![Diagram](image1.png) |
| **FHEB 0HRA** | Drive unit  
Transmission on right-hand side | ![Diagram](image2.png) |
| **FHEB 0HLPA** | Drive unit  
Direct drive, left-hand side | ![Diagram](image3.png) |
| **FHEB 0HRPA** | Drive unit  
Direct drive, right-hand side | ![Diagram](image4.png) |
Intermediate drive units

**FHER 0HL**  Drive unit  Transmission on left-hand side

**FHER 0HR**  Drive unit  Transmission on right-hand side

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Catenary drive units

**FHEC 0HL**
Drive unit
Transmission on left-hand side

**FHEC 0HR**
Drive unit
Transmission on right-hand side
Horizontal bend drive unit

FHEW 180/0H  Horizontal bend drive unit, 180°
## Idler end units

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHEJ 315</td>
<td>Idler end unit</td>
</tr>
<tr>
<td>FHEJ 325</td>
<td>Idler end unit</td>
</tr>
<tr>
<td>FHSJ 195</td>
<td>Protective cover for idler end unit</td>
</tr>
<tr>
<td>FHEK 90R50</td>
<td>Idler bend unit, 90 ° Cannot be used with a return chain</td>
</tr>
</tbody>
</table>

![Idler end unit diagrams](image-url)
Horizontal wheel bends
**FH-Horizontal wheel bends**

Horizontal wheel bend, 30°

**FHBH 30R170**
Radius to centre of chain 170 mm
**FHBH 30R170A**
with protective cover

Horizontal wheel bend, 45°

**FHBH 45R170**
Radius to centre of chain 170 mm
**FHBH 45R170A**
with protective cover

Horizontal wheel bend, 60°

**FHBH 60R170**
Radius to centre of chain 170 mm
**FHBH 60R170A**
with protective cover

Horizontal wheel bend, 90°

**FHBH 90R170**
Radius to centre of chain 170 mm
**FHBH 90R170A**
with protective cover
## FH-Horizontal wheel bends

### Horizontal wheel bend, 120°

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBH 120R170</td>
<td>Radius to centre of chain 170 mm</td>
</tr>
<tr>
<td>FHBH 120R170A</td>
<td>with protective cover</td>
</tr>
</tbody>
</table>

### Horizontal wheel bend, 180°

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBH 180R170</td>
<td>Radius to centre of chain 170 mm</td>
</tr>
<tr>
<td>FHBH 180R170A</td>
<td>with protective cover</td>
</tr>
</tbody>
</table>

### Horizontal wheel bend, 210°

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBH 210R170</td>
<td>Radius to centre of chain 170 mm</td>
</tr>
<tr>
<td>FHBH 210R170A</td>
<td>with protective cover</td>
</tr>
</tbody>
</table>
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

- FHBP 30R500 R=500 mm
- FHBP 30R700 R=700 mm
- FHBP 30R1000 R=1000 mm

Horizontal plain bend, 45°
Radius to centre of beam:

- FHBP 45R500 R=500 mm
- FHBP 45R700 R=700 mm
- FHBP 45R1000 R=1000 mm

Horizontal plain bend, 60°
Radius to centre of beam:

- FHBP 60R500 R=500 mm
- FHBP 60R700 R=700 mm
- FHBP 60R1000 R=1000 mm

Horizontal plain bend, 90°
Radius to centre of beam:

- FHBP 90R500 R=500 mm
- FHBP 90R700 R=700 mm
- FHBP 90R1000 R=1000 mm

Support rail for plain bends

- F5048598 Length 2.4mt

* Note: Special angles on request.
Vertical bends
Vertical bends

Vertical bend, 5°
Radius to centre of beam:

\[
\text{FHBV 5R400} \quad R=400 \text{ mm}
\]

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 5R400</td>
<td>400</td>
<td>195</td>
<td>9</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

\[
\text{FHBV 7R400} \quad R=400 \text{ mm}
\]

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 7R400</td>
<td>400</td>
<td>208</td>
<td>13</td>
</tr>
</tbody>
</table>

Vertical bend, 15°
Radius to centre of beam:

\[
\text{FHBV 15R400} \quad R=400 \text{ mm}
\]
\[
\text{FHBV 15R700} \quad R=700 \text{ mm}
\]

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 15R400</td>
<td>400</td>
<td>261</td>
<td>34</td>
</tr>
<tr>
<td>FHBV 15R700</td>
<td>700</td>
<td>338</td>
<td>45</td>
</tr>
</tbody>
</table>

Vertical bend, 30°
Radius to centre of beam:

\[
\text{FHBV 30R400} \quad R=400 \text{ mm}
\]
\[
\text{FHBV 30R1000} \quad R=1000 \text{ mm}
\]

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 30R400</td>
<td>400</td>
<td>349</td>
<td>94</td>
</tr>
<tr>
<td>FHBV 30R1000</td>
<td>1000</td>
<td>649</td>
<td>174</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.
Vertical bends

Vertical bend, 45°
Radius to centre of beam:

- **FHBV 45R400**  \( R=400 \text{ mm} \)
- **FHBV 45R1000**  \( R=1000 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 45R400</td>
<td>400</td>
<td>419</td>
<td>174</td>
</tr>
<tr>
<td>FHBV 45R1000</td>
<td>1000</td>
<td>844</td>
<td>350</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

- **FHBV 60R400**  \( R=400 \text{ mm} \)
- **FHBV 60R1000**  \( R=1000 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 60R400</td>
<td>400</td>
<td>466</td>
<td>269</td>
</tr>
<tr>
<td>FHBV 60R1000</td>
<td>1000</td>
<td>986</td>
<td>569</td>
</tr>
</tbody>
</table>

Vertical bend, 90°
Radius to centre of beam:

- **FHBV 90R400**  \( R=400 \text{ mm} \)
- **FHBV 90R1000**  \( R=1000 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHBV 90R400</td>
<td>400</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>FHBV 90R1000</td>
<td>1000</td>
<td>1080</td>
<td>1080</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

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Front piece
# Front piece

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Specification</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHVF 3</td>
<td>Front piece</td>
<td>Length 3 mt</td>
<td><img src="https://example.com/diagram1.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FHVG 2</td>
<td>Sliding strip for front piece</td>
<td>Length 2 mt</td>
<td><img src="https://example.com/diagram2.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FHVA 60R460</td>
<td>Upper bend, 60°</td>
<td>Radius 460 mm</td>
<td><img src="https://example.com/diagram3.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes connecting strip with screws</td>
<td></td>
</tr>
<tr>
<td>FHVB 60R335</td>
<td>Lower bend, 60°</td>
<td>Radius 335 mm</td>
<td><img src="https://example.com/diagram4.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes connecting strip with screws</td>
<td></td>
</tr>
<tr>
<td>FHVK 43</td>
<td>Linkage kit for front piece</td>
<td>W=170 mm, D= 43 mm</td>
<td><img src="https://example.com/diagram5.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kit consists of two support pairs.</td>
<td></td>
</tr>
<tr>
<td>FHVS 43</td>
<td>Bend support</td>
<td>D= 43 mm</td>
<td><img src="https://example.com/diagram6.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

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Drip trays and drip catchers
<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDT 3x147 B</td>
<td>Drip tray Length 3 mt</td>
<td>147</td>
</tr>
<tr>
<td>FLDB 21X100</td>
<td>Drip tray bracket</td>
<td></td>
</tr>
<tr>
<td>FHDJ 147 B</td>
<td>Drip tray connector With drip outlet Including screw kit</td>
<td></td>
</tr>
<tr>
<td>FLCJ 5X140</td>
<td>Connecting strip with set screws Length 140 mm</td>
<td></td>
</tr>
<tr>
<td>FHDE 147 B</td>
<td>End pan for drip tray With drip outlet Including screw kit</td>
<td></td>
</tr>
<tr>
<td>FHDC 147 B</td>
<td>End cap for drip tray Including screw kit</td>
<td></td>
</tr>
</tbody>
</table>
# Drip pans

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDH 30X147 B</td>
<td>Drip pan for horizontal wheel bend 30°, including screw kit</td>
<td><img src="image1" alt="Diagram" /></td>
</tr>
<tr>
<td>FHDH 45X147 B</td>
<td>Drip pan for horizontal wheel bend 45°, including screw kit</td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td>FHDH 90X147 B</td>
<td>Drip pan for horizontal wheel bend 90°, including screw kit</td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
<tr>
<td>FHDH 180X147 B</td>
<td>Drip pan for horizontal wheel bend 180°, including screw kit</td>
<td><img src="image4" alt="Diagram" /></td>
</tr>
</tbody>
</table>
### Drip pans

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>α</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDV 30X147 BU</td>
<td>Drip pan, upper, for vertical bend</td>
<td>30°</td>
</tr>
<tr>
<td></td>
<td>Including screw kit</td>
<td></td>
</tr>
<tr>
<td>FHDV 45X147 BU</td>
<td></td>
<td>45°</td>
</tr>
<tr>
<td>FHDV 90X147 BU</td>
<td></td>
<td>90°</td>
</tr>
<tr>
<td>FHDV 180X147 BU</td>
<td></td>
<td>180°</td>
</tr>
</tbody>
</table>

### Drip pan, lower, for vertical bend

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>α</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDV 30X147 BL</td>
<td></td>
<td>30°</td>
</tr>
<tr>
<td>FHDV 45X147 BL</td>
<td></td>
<td>45°</td>
</tr>
<tr>
<td>FHDV 90X147 BL</td>
<td></td>
<td>90°</td>
</tr>
<tr>
<td>FHDV 180X147 BL</td>
<td></td>
<td>180°</td>
</tr>
</tbody>
</table>

### Drip pan, upper, for 90° vertical bend

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDV 90X147 B</td>
<td>End pan for idler end unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With drip outlet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Including screw kit</td>
<td></td>
</tr>
</tbody>
</table>

### End pan for idler end unit

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FHDD 147 B</td>
<td>End pan for idler end unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With drip outlet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Including screw kit</td>
<td></td>
</tr>
</tbody>
</table>
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chains</td>
<td>2</td>
</tr>
<tr>
<td>Conveyor beam</td>
<td>4</td>
</tr>
<tr>
<td>End drive units</td>
<td>7</td>
</tr>
<tr>
<td>Idler unit</td>
<td>8</td>
</tr>
<tr>
<td>Horizontal plain bends</td>
<td>11</td>
</tr>
<tr>
<td>Vertical bends</td>
<td>13</td>
</tr>
<tr>
<td>FB-Support brackets</td>
<td>15</td>
</tr>
</tbody>
</table>
**Plain chain**

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 3A140</td>
<td>Plain chain</td>
</tr>
<tr>
<td></td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FBTL 140</td>
<td>Plain link</td>
</tr>
</tbody>
</table>

**Friction top chain**

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 3A140 F</td>
<td>Plain chain</td>
</tr>
<tr>
<td></td>
<td>Length 5 mt</td>
</tr>
<tr>
<td>FBTL 140 F</td>
<td>Plain link</td>
</tr>
</tbody>
</table>

**Tools and accessories**

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTT 13X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FMTT 13X16</td>
<td>Plastic pivot</td>
</tr>
<tr>
<td>FMTD 6X50</td>
<td>Steel pin</td>
</tr>
<tr>
<td>FMMJ 6</td>
<td>Pin insertion tool</td>
</tr>
<tr>
<td>FDSS 450</td>
<td>Silicone-based lubricant</td>
</tr>
</tbody>
</table>
# Conveyor beam

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beam</strong></td>
<td></td>
</tr>
<tr>
<td>FBCB 3A140</td>
<td>Length 3 m</td>
</tr>
<tr>
<td></td>
<td><a href="#">Image</a></td>
</tr>
<tr>
<td><strong>Slide rail</strong></td>
<td></td>
</tr>
<tr>
<td>FLCR 25</td>
<td>HDPE Black</td>
</tr>
<tr>
<td>FLCR 25U</td>
<td>UHMW White</td>
</tr>
<tr>
<td>FLCR 25P</td>
<td>PVDF White</td>
</tr>
<tr>
<td>FLCR 25H</td>
<td>HDPE+PE6 Gray</td>
</tr>
<tr>
<td>FLAH 4X6A</td>
<td>Aluminium rivet</td>
</tr>
<tr>
<td>FLAH 4X8A</td>
<td>Aluminium rivet</td>
</tr>
<tr>
<td>FLAG 5</td>
<td>Plastic screw</td>
</tr>
<tr>
<td><strong>FMCC 160</strong></td>
<td>Beam section for chain installation</td>
</tr>
<tr>
<td></td>
<td>Including connection strips and screws</td>
</tr>
<tr>
<td><strong>Connecting strip with set screws</strong></td>
<td></td>
</tr>
<tr>
<td>FLCJ 6X130</td>
<td>Length 130 mm</td>
</tr>
<tr>
<td>FLCJ 6X160</td>
<td>Length 160 mm</td>
</tr>
<tr>
<td><strong>T-slot cover</strong></td>
<td></td>
</tr>
<tr>
<td>FLAB 50</td>
<td>Length 50 m</td>
</tr>
<tr>
<td><strong>F3920500</strong></td>
<td>Drill fixture for slide rail</td>
</tr>
<tr>
<td>FMMR 140</td>
<td>Mounting tool</td>
</tr>
<tr>
<td>F3920500</td>
<td></td>
</tr>
</tbody>
</table>

[Image](#)
# Conveyor beam

## Half beam

**FMCB 3H**  
Length 3 mt

## Beam clip

**FMCE 49X30**

## Split Conveyor beam assembled

Length 3mt

---

*Tel +496151 8701 0915  
Sales@modular-automation.de*
End drive units

**FEBB 0A140 L** Drive unit

Transmission on left-hand side

**FEBB 0A140R** Drive unit

Transmission on right-hand side
Idler end units

FBEJ 140  Idler end unit

Dimensions:
- Width: 316 mm
- Height: 150 mm
- Depth: 85 mm

Contact information:
- Tel +49 6151 8701 0915
- Sales@modular-automation.de
Horizontal plain bends
Horizontal plain bends

**Horizontal plain bend, 30°**
Radius to centre of beam:

- **FBBP 30A140R500** R=500 mm
- **FBBP 30A140R700** R=700 mm
- **FBBP 30A140R1000** R=1000 mm

**Horizontal plain bend, 45°**
Radius to centre of beam:

- **FBBP 45A140R500** R=500 mm
- **FBBP 45A140R700** R=700 mm
- **FBBP 45A140R1000** R=1000 mm

**Horizontal plain bend, 60°**
Radius to centre of beam:

- **FBBP 60A140R500** R=500 mm
- **FBBP 60A140R700** R=700 mm
- **FBBP 60A140R1000** R=1000 mm

**Horizontal plain bend, 90°**
Radius to centre of beam:

- **FBBP 90A140R500** R=500 mm
- **FBBP 90A140R700** R=700 mm
- **FBBP 90A140R1000** R=1000 mm

*Note: Special angles on request.*
Vertical bends
Vertical bends

Vertical bend, 5°
Radius to centre of beam:

FBBV 5A140 R400  R=400 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>195</td>
<td>9</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

FBBV 7A140 R400  R=400 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>208</td>
<td>13</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

Tel +496151 8701 0915
Sales@modular-automation.de
FB-Support brackets
## FB-Support brackets

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCT 21X135 A</td>
<td>Beam support bracket, for 88 mm crossing support beam</td>
<td><img src="image1" alt="FBCT 21X135 A Diagram" /></td>
</tr>
<tr>
<td>FBCT 21X135</td>
<td>Beam support bracket, for 88 mm crossing support beam</td>
<td><img src="image2" alt="FBCT 21X135 Diagram" /></td>
</tr>
<tr>
<td>FBCS 64</td>
<td>Beam support bracket, for 64 mm vertical support beam</td>
<td><img src="image3" alt="FBCS 64 Diagram" /></td>
</tr>
<tr>
<td>FBCS 88</td>
<td>Beam support bracket, for 88 mm vertical support beam</td>
<td><img src="image4" alt="FBCS 88 Diagram" /></td>
</tr>
</tbody>
</table>

*Note: Special angles on request.*

Tel: +49 6151 8701 0915
Email: Sales@modular-automation.de
Conveyor system FB-175

Contents
Chains __________________ 2
Conveyor beam ____________ 4
End drive units ____________ 6
Idler unit _________________ 7
Horizontal plain bends ______ 8
Vertical bends _____________ 10
FB-Support brackets__________ 11
Chains

Tel +49 6151 8701 0915
Sales@modular-automation.de
## Chain

### Plain chain

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 3A175</td>
<td>Plain chain</td>
</tr>
<tr>
<td>FBTL 175</td>
<td>Plain link</td>
</tr>
<tr>
<td>FBTP 3A175 A</td>
<td>Plain chain</td>
</tr>
<tr>
<td>FBTL 175 A</td>
<td>Plain link</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBTP 3A175 F</td>
<td>Plain chain</td>
</tr>
<tr>
<td>FBTL 175 F</td>
<td>Plain link</td>
</tr>
<tr>
<td>FBTP 3A175 AF</td>
<td>Plain chain</td>
</tr>
<tr>
<td>FBTL 175 AF</td>
<td>Plain link</td>
</tr>
</tbody>
</table>

### Friction top chain

- **FBTP 3A175 F**
  - Plain chain
  - Length 5 mt

### Roller top chain

- **FBTL 175X46R**
  - Roller top chain

### See Note

Note: This type of chain requires minimum one plain link between every cleated link.

### Tools and accessories

- **FBTT 13X16**
  - Plastic pivot
- **FMTT 13X16**
  - Plastic pivot
- **FMTD 6X50**
  - Steel pin
- **FMMJ 6**
  - Pin insertion tool
- **FDSS 450**
  - Silicone-based lubricant
Conveyor beam
Conveyor beam

**Beam**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCB 3A175</td>
<td></td>
<td>3 mt</td>
</tr>
<tr>
<td>FBCB 3A85</td>
<td></td>
<td>3 mt</td>
</tr>
<tr>
<td>FBCB 3A H</td>
<td></td>
<td>3 mt</td>
</tr>
<tr>
<td>FBCE 40</td>
<td>Snap-fit clip kit for outer beam</td>
<td></td>
</tr>
</tbody>
</table>

**Slide rail**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCR 25</td>
<td>HDPE White</td>
<td>25 m</td>
</tr>
<tr>
<td>FBCR 25P</td>
<td>PVDF White</td>
<td></td>
</tr>
<tr>
<td>FLAH 4X8A</td>
<td>Aluminium rivet</td>
<td></td>
</tr>
<tr>
<td>FLAG 5</td>
<td>Plastic screw</td>
<td></td>
</tr>
</tbody>
</table>

**Connecting strip with set screws**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>H</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSCJ 6X160</td>
<td>H=20 mm</td>
<td>20</td>
<td>160 mm</td>
</tr>
</tbody>
</table>

**T-slot cover**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCAC 2</td>
<td>Aluminium</td>
<td>2 mt</td>
</tr>
<tr>
<td>FCAC 3P</td>
<td>Polyvinyl chloride</td>
<td>3 mt</td>
</tr>
</tbody>
</table>

**Drill fixture for slide rail**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3920500</td>
<td></td>
</tr>
</tbody>
</table>

Tel +496151 8701 0915  
Sales@modular-automation.de
End drive units

**FBEB 0A175 L**  Drive unit  
Transmission on left-hand side

**FBEB 0A175R**  Drive unit  
Transmission on right-hand side
Idler end units

FBEJ 175  
Idler end unit

80  316  182
150

Tel +496151 8701 0915
Sales@modular-automation.de
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

- FBBP 30A175R500  R=500 mm
- FBBP 30A175R700  R=700 mm
- FBBP 30A175R1000 R=1000mm

Horizontal plain bend, 45°
Radius to centre of beam:

- FBBP 45A175R500  R=500 mm
- FBBP 45A175R700  R=700 mm
- FBBP 45A175R1000 R=1000mm

Horizontal plain bend, 60°
Radius to centre of beam:

- FBBP 60A175R500  R=500 mm
- FBBP 60A175R700  R=700 mm
- FBBP 60A175R1000 R=1000mm

Horizontal plain bend, 90°
Radius to centre of beam:

- FBBP 90A175R500  R=500 mm
- FBBP 90A175R700  R=700 mm
- FBBP 90A175R1000 R=1000mm

* Note: Special angles on request.
Vertical bends
**Vertical bends**

Vertical bend, 5°
Radius to centre of beam:

**FBBV 5A175 R750**  \( R = 750 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 5A175 R750</td>
<td>750</td>
<td>225</td>
<td>10</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

**FBBV 7A175 R750**  \( R = 750 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 7A175 R750</td>
<td>750</td>
<td>251</td>
<td>15</td>
</tr>
</tbody>
</table>

Vertical bend, 15°
Radius to centre of beam:

**FBBV 15A170 R750**  \( R = 750 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 15A170 R750</td>
<td>750</td>
<td>351</td>
<td>46</td>
</tr>
</tbody>
</table>

Vertical bend, 30°
Radius to centre of beam:

**FBBV 30A175 R750**  \( R = 750 \text{ mm} \)

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 30A175 R750</td>
<td>750</td>
<td>524</td>
<td>141</td>
</tr>
</tbody>
</table>

*Note: Special angles on request.*
Vertical bends

Vertical bend, 45°
Radius to centre of beam:

FBBV 45A175 R750  \( R = 750 \) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 45A175 R750</td>
<td>750</td>
<td>667</td>
<td>277</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

FBBV 60A175 R750  \( R = 750 \) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 60A175 R750</td>
<td>750</td>
<td>770</td>
<td>444</td>
</tr>
</tbody>
</table>

Vertical bend, 90°
Radius to centre of beam:

FBBV 90A175 R750  \( R = 750 \) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 90A175 R750</td>
<td>750</td>
<td>830</td>
<td>830</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

Tel +496151 8701 0915
Sales@modular-automation.de
FB-Support brackets

FBRB 22X63  Beam support bracket
Contents
Chains ____________________ 2
Conveyor beam ____________ 4
End drive units __________ 6
Idler unit ________________ 7
Horizontal plain bends_______ 8
Vertical bends______________ 10
Chains
<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part Number</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plain chain</strong></td>
<td>FBTP 3A295</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td></td>
<td>FBTL 295</td>
<td>Plain link</td>
<td></td>
</tr>
<tr>
<td><strong>Friction top chain</strong></td>
<td>FBTP 3A175 F</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td></td>
<td>FBTL 175 F</td>
<td>Plain link</td>
<td></td>
</tr>
<tr>
<td><strong>Plain chain</strong></td>
<td>FBTP 3A295 A</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td></td>
<td>FBTL 295 A</td>
<td>Plain link</td>
<td></td>
</tr>
<tr>
<td><strong>Friction top chain</strong></td>
<td>FBTP 3A175 AF</td>
<td>Plain chain</td>
<td>5 mt</td>
</tr>
<tr>
<td></td>
<td>FBTL 175 AF</td>
<td>Plain link</td>
<td></td>
</tr>
</tbody>
</table>

**Tools and accessories**
- FBTT 13X16: Plastic pivot
- FMTT 13X16: Plastic pivot
- FMTD 6X50: Steel pin
- FMMJ 6P: Pin insertion tool
- FMMJ 6: Pin insertion tool
- FDSS 450: Silicone-based lubricant
Conveyor beam
**Conveyor beam**

<table>
<thead>
<tr>
<th>Beam</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCB 3A295</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>FBCB 3A85</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>FBCB 3A H</td>
<td>Length 3 mt</td>
</tr>
<tr>
<td>FBCE 85</td>
<td>Snap-fit clip kit for outer beam</td>
</tr>
</tbody>
</table>

**Slide rail**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBCR 25</td>
<td>HDPE White</td>
</tr>
<tr>
<td>FBCR 25P</td>
<td>PVDF White</td>
</tr>
<tr>
<td>FLAH 4X8A</td>
<td>Aluminium rivet</td>
</tr>
<tr>
<td>FLAG 5</td>
<td>Plastic screw</td>
</tr>
</tbody>
</table>

**Connecting strip with set screws**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSCJ 6X160</td>
<td>H=20 mm Length 160 mm</td>
</tr>
</tbody>
</table>

**T-slot cover**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCAC 2</td>
<td>Aluminium Length 2 mt</td>
</tr>
<tr>
<td>FCAC 3P</td>
<td>Polyvinyl chloride Length 3 mt</td>
</tr>
</tbody>
</table>

**Drill fixture for slide rail**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3920500</td>
<td></td>
</tr>
</tbody>
</table>

---

Tel +496151 8701 0915  
Sales@modular-automation.de
End drive units

**FEB 0A295L** Drive unit
Transmission on left-hand side

**FEB 0A295R** Drive unit
Transmission on right-hand side
Idler end units

FBEJ 295  Idler end unit

80  316  300
150
Horizontal plain bends
Horizontal plain bends

Horizontal plain bend, 30°
Radius to centre of beam:

FBBP 30A295R700  R=700 mm
FBBP 30A295R1000  R=1000 mm

Horizontal plain bend, 45°
Radius to centre of beam:

FBBP 45A295R700  R=700 mm
FBBP 45A295R1000  R=1000 mm

Horizontal plain bend, 60°
Radius to centre of beam:

FBBP 60A295R700  R=700 mm
FBBP 60A295R1000  R=1000 mm

Horizontal plain bend, 90°
Radius to centre of beam:

FBBP 90A295R700  R=700 mm
FBBP 90A295R1000  R=1000 mm

* Note: Special angles on request.
Vertical bends
Vertical bends

Vertical bend, 5°
Radius to centre of beam:

FBBV 5A295 R750  R=750 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>225</td>
<td>10</td>
</tr>
</tbody>
</table>

Vertical bend, 7°
Radius to centre of beam:

FBBV 7A295 R750  R=750 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>251</td>
<td>15</td>
</tr>
</tbody>
</table>

Vertical bend, 15°
Radius to centre of beam:

FBBV 15A295 R750  R=750 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>351</td>
<td>46</td>
</tr>
</tbody>
</table>

Vertical bend, 30°
Radius to centre of beam:

FBBV 30A295 R750  R=750 mm

<table>
<thead>
<tr>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>524</td>
<td>141</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.
**Vertical bends**

Vertical bend, 45°
Radius to centre of beam:

FBBV 45A295 R750  \(R=750\) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 45A295 R750</td>
<td>750</td>
<td>667</td>
<td>277</td>
</tr>
</tbody>
</table>

Vertical bend, 60°
Radius to centre of beam:

FBBV 60A295 R750  \(R=750\) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 60A295 R750</td>
<td>750</td>
<td>770</td>
<td>444</td>
</tr>
</tbody>
</table>

Vertical bend, 90°
Radius to centre of beam:

FBBV 90A295 R750  \(R=750\) mm

<table>
<thead>
<tr>
<th></th>
<th>R</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBBV 90A295 R750</td>
<td>750</td>
<td>830</td>
<td>830</td>
</tr>
</tbody>
</table>

* Note: Special angles on request.

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Sales@modular-automation.de
Conveyor accessories

## Contents

<table>
<thead>
<tr>
<th>Item</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide rails</td>
<td>2</td>
</tr>
<tr>
<td>Guide discs for bends</td>
<td>4</td>
</tr>
<tr>
<td>Fixed guide rail brackets, aluminium</td>
<td>6</td>
</tr>
<tr>
<td>Adjustable guide rail brackets, aluminium</td>
<td>9</td>
</tr>
<tr>
<td>Adjustable guide rail brackets, polyamide</td>
<td>11</td>
</tr>
<tr>
<td>Built-up guide rail brackets</td>
<td>16</td>
</tr>
<tr>
<td>Conveyor supports</td>
<td>18</td>
</tr>
</tbody>
</table>
Guide rails
Guide rails

<table>
<thead>
<tr>
<th>Straight 10 mm</th>
<th>FLRS 3X10</th>
<th>Aluminium, length 3mt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FLRS 3X10 T</td>
<td>Steel, length 3mt</td>
</tr>
</tbody>
</table>

| Flexible rail 10 mm | FLRS 3X10 P | Polyethylene, length 3mt |

| Straight rail 10 mm flanged | FLRS 3x10 F | Aluminium, length 3mt |

| FLRJ 10 | Connecting plug 10 mm |
| FLRE 10 | End plug 10 mm |

Note: Not for steel guide rail must be ordered in multiples of 25(25, 50, 75, ...)

| Straight 15 mm | FLRS 3X15 | Aluminium, length 3mt |

| Flexible rail 15 mm | FLRS 3X15 P | Polyethylene, length 3mt |

| Guide rail cover for 15 mm guide rail | FLRT 3X23 | Polyethylene, length 3mt |
| FLRT 3X23 U | UHMW-PE, length 3mt |
| FLRT 3X33 D | Polyethylene, length 3mt |

| FLRJ 15 | Connecting plug 15 mm |
| FLRE 15 | End plug 15 mm |

Note: Not for steel guide rail must be ordered in multiples of 25(25, 50, 75, ...)

| FLRJ 100 | Connecting sleeve |
| Length 100 mm |
| Including set screws |
Guide discs for bends
Guide discs for horizontal wheel bends

<table>
<thead>
<tr>
<th>Guide discs for wheel bends</th>
<th>FLRG 235</th>
<th>d = 230 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRG 212</td>
<td>d = 212 mm</td>
<td></td>
</tr>
<tr>
<td>FLRG 187</td>
<td>d = 187 mm</td>
<td></td>
</tr>
<tr>
<td>FLRG 162</td>
<td>d = 162 mm</td>
<td></td>
</tr>
</tbody>
</table>

Guide discs for wheel bends

| FLRG 235 H                  | d = 230 mm |
| FLRG 212 H                  | d = 212 mm |
| FLRG 187 H                  | d = 187 mm |
| FLRG 162 H                  | d = 162 mm |
Fixed guide rail brackets, aluminium
**Fixed guide rail brackets, aluminium**

### Guide rail bracket height 30 mm

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Width (W)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRB 11X30</td>
<td>11 mm</td>
<td>Fig. A</td>
</tr>
<tr>
<td>FLRB 23X30</td>
<td>23 mm</td>
<td>Fig. A</td>
</tr>
<tr>
<td>FLRB 35X30</td>
<td>35 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 48X30</td>
<td>48 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 29X36</td>
<td>Hight 36 mm</td>
<td>W= 29 mm</td>
</tr>
</tbody>
</table>

Note:
Bracket type B can take angle plates when used. With FL conveyor. Type FLRB 35X30 with angle plate can only be used with 10 mm guide rail.

### Guide rail bracket height 42 mm

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Width (W)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRB 16X42</td>
<td>16 mm</td>
<td>Fig. A</td>
</tr>
<tr>
<td>FLRB 28X42</td>
<td>28 mm</td>
<td>Fig. A</td>
</tr>
<tr>
<td>FLRB 40X42</td>
<td>40 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 49X42</td>
<td>49 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 53X42</td>
<td>53 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 65X42</td>
<td>65 mm</td>
<td>Fig. B</td>
</tr>
<tr>
<td>FLRB 90X42</td>
<td>90 mm</td>
<td>Fig. B</td>
</tr>
</tbody>
</table>

Note:
Bracket type B can take angle plates when used. With FM and FH conveyor. (FLRB 40X42: angle plate FLRP 3/6 only).

### Guide rail bracket height 54 mm

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Width (W)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRB 16X54</td>
<td>16 mm</td>
<td>Fig. A</td>
</tr>
<tr>
<td>FLRB 40X54</td>
<td>40 mm</td>
<td>Fig. B</td>
</tr>
</tbody>
</table>
## Accessories

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRD 6</td>
<td>Distance piece (aluminium) 6.25 mm</td>
<td></td>
</tr>
<tr>
<td>FLRD 6 C</td>
<td>Distance piece (aluminium) for conveyor system FK 6.25 mm</td>
<td></td>
</tr>
<tr>
<td>FLRD 6 P</td>
<td>Distance piece (polyamide) 6.25 mm FLRD 6 P can hold angle plates (FL only) not for FK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Suitable, longer T-bolts: see Fasteners.</td>
<td></td>
</tr>
<tr>
<td>FLAP 28</td>
<td>Spring pin for guide rail bracket Must be ordered in multiples of 50(50, 100, 150,...)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>T-bolts, nuts, washers: see Fasteners.</td>
<td></td>
</tr>
</tbody>
</table>

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Adjustable guide rail brackets, aluminium
Adjustable guide rail brackets, aluminium

Adjustable guide rail bracket assembly
Including bolt and nut

FLRA 8X9X45  See Figure A, C
FLRA 8X39X45  See Figure B, C

FLRA 26X9X45  See Figure D, F
FLRA 26X39X45  See Figure E, F

Note:
Bracket type B can take angle plates
When used with FM and FH conveyor.

FLRA 16X30X52  See Figure A, C
FLRA 41X30X52  See Figure B, C

FLRA 16X30X64  Adjustable guide rail bracket assembly
Including bolt and nut

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Adjustable guide rail brackets, polyamide
Guide rail bracket supports, polyamide

**FLRF 42X62 A35**
Guide rail bracket support for use with guide rail clamp FLRK18X40/60/80 C Including screw and nut (screw can be repaced by star knob FLAR 6x20)

Mounting to beam:
- FLAT 17
- FLAN 8
- BRB 8,4x16

**FLRF 42X62 A35**
For 1-2 guide rail levels

**FLRF 42X62 A110**
For 1-4 guide rail levels

Note: Always install dummy plugs in unused clamp positions to ensure positive locking of the adjacent clamp.

**FLAK 18** Dummy plug

**FLRF 42X18 V** Guide rail bracket support With clamp for 18 mm tube

**FLRF 40X18** Guide rail bracket support With clamp for 18 mm tube

**FLRD 30** Distance piece for FLRF 40X18

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## Spacer beam for guide rail bracket support

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spacer beam</strong></td>
<td></td>
</tr>
<tr>
<td>FLRN 3U</td>
<td>Beam with flat sides, length 3mt</td>
</tr>
<tr>
<td>FLRN 3</td>
<td>Beam with T-slots, length 3mt</td>
</tr>
<tr>
<td><strong>FLRD 3 D</strong></td>
<td>Spacer beam connector</td>
</tr>
<tr>
<td></td>
<td>Width 3 mm</td>
</tr>
<tr>
<td></td>
<td>For use with spacer beam type FLRN 3U</td>
</tr>
<tr>
<td><strong>Distance piece Type A</strong></td>
<td></td>
</tr>
<tr>
<td>FLRD 6 A</td>
<td>D= 6 mm</td>
</tr>
<tr>
<td>FLRD 18 A</td>
<td>D= 18 mm</td>
</tr>
<tr>
<td><strong>Guide rail clamp 1</strong></td>
<td></td>
</tr>
<tr>
<td>FLRK 18X40 C</td>
<td>L= 40 mm</td>
</tr>
<tr>
<td>FLRK 18X60 C</td>
<td>L= 60 mm</td>
</tr>
<tr>
<td>FLRK 18X80 C</td>
<td>L= 80 mm</td>
</tr>
<tr>
<td><strong>Guide rail clamp 2</strong></td>
<td></td>
</tr>
<tr>
<td>FLRL 18X110 C</td>
<td>Including screw</td>
</tr>
<tr>
<td></td>
<td>To be used directly with FLRF 42X18V</td>
</tr>
</tbody>
</table>

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Guide rail clamp for double track conveyors

Guide rail clamp 3
FLRK 18 CE   Including screw and nut

Guide rail clamp 4
FLRK 12 CE   Including screw and nut

FLRC 18X110 C   Guide rail clamp for double track conveyors
Including screw and nut

Guide rail clamp supports
Including screw and nut
For use with FLRK 18x40/60/80 C

FLRL 18X60 CA   L = 60 mm
FLRL 18X110 CA  L = 110 mm
FLRL 18X160 CA  L = 160 mm
### Accessories for guide rail bracket support

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
</table>
| FLRR 3X18 C | Guide rail support tube  
Length 3 mt | ![Image](image1.png) |
| FLRZ 18 | End cap                                                                     | ![Image](image2.png) |
| FLRX 18 C | Corner connector  
Including screws and units | ![Image](image3.png) |
| FLRX 18 X | Cross connector  
Including screws and units  
Can be used with star knob FLAR 6X20 (see below)  
for easy readjustment | ![Image](image4.png) |
| FLAR 6X20 | Star Knob  
M6 | ![Image](image5.png) |
Built-up guide rail brackets
## Built-up guide rail brackets

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLRC 20</td>
<td>Guide rail bracket</td>
</tr>
<tr>
<td>FLRC 20 A</td>
<td>Guide rail bracket Including M8 screw and square nut</td>
</tr>
<tr>
<td>FMRX 20</td>
<td>Inner fitting 90 ° Including T-bolt, nut, set screw</td>
</tr>
<tr>
<td>FMRY 20</td>
<td>Inner fitting 90 ° Including screws</td>
</tr>
<tr>
<td>FMRW 20</td>
<td>Corner fitting 90 ° Including set screws</td>
</tr>
<tr>
<td>FLAP 28</td>
<td>Spring pin for guide rail bracket. Must be ordered in multiples of 50(50, 100, 150,...)</td>
</tr>
</tbody>
</table>

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Conveyor supports
## Conveyor beam support brackets-aluminium, Type A

**Beam support bracket, Type A**  
For 88 mm crossing support beam

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLCT 21X100</td>
<td>100</td>
</tr>
<tr>
<td>FLCT 21X125</td>
<td>125</td>
</tr>
<tr>
<td>FLCT 21X135</td>
<td>135</td>
</tr>
</tbody>
</table>

**Beam support bracket, Type A**  
For 88 mm crossing support beam

- FLCT 21X158 R*  
  *Use T-slot screw FLAT 24 with this beam Support bracket. (FLAT 17 is too short.)*

**Beam support bracket, Type A**  
For 64 mm crossing support beam

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLCT 21X100 A</td>
<td>100</td>
</tr>
<tr>
<td>FLCT 21X135 A</td>
<td>135</td>
</tr>
</tbody>
</table>

**Beam support bracket, Type C**  
For support of 180 ° wheel bend with 88 mm vertical support beam

<table>
<thead>
<tr>
<th>Bracket Code</th>
<th>Application</th>
<th>Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLCU 73</td>
<td>For conveyor systems FL, FM, FH, D=73.5 mm</td>
<td>73.5</td>
</tr>
<tr>
<td>FLCU 103</td>
<td>For conveyor systems FK, D=103.5 mm</td>
<td>103.5</td>
</tr>
</tbody>
</table>

---

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**Conveyor beam support brackets-aluminium, Type B**

<table>
<thead>
<tr>
<th>Bracket Type</th>
<th>Application</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beam support bracket, Type B</strong></td>
<td>For 44 mm vertical support beam</td>
<td></td>
</tr>
<tr>
<td><strong>FUCS 44</strong></td>
<td>For F45 conveyor D = 6.8 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FSCS 44</strong></td>
<td>For FS conveyor D = 9 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Beam support bracket, Type B</strong></td>
<td>For 64 mm vertical support beam</td>
<td></td>
</tr>
<tr>
<td><strong>FSCS 64</strong></td>
<td>For FS conveyor. Figure A, F A= 180 mm, B= 156 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FLCS 64</strong></td>
<td>For FL conveyor. Figure B, F A= 180 mm, B= 156 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FMCS 64 B</strong></td>
<td>For FM conveyor. Figure C, F A= 200 mm, B= 176 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FHCS 64</strong></td>
<td>For FH conveyor. Figure E, F A= 180 mm, B= 156 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FHCS 64 B</strong></td>
<td>For FH conveyor. Figure D, F A= 200 mm, B= 176 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Beam support bracket, Type B</strong></td>
<td>For 88 mm vertical support beam</td>
<td></td>
</tr>
<tr>
<td><strong>FLCS 88</strong></td>
<td>For FL conveyor. Figure A, E A= 180 mm, B= 151 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FMCS 88 B</strong></td>
<td>For FM conveyor. Figure B, E A= 200 mm, B= 171 mm</td>
<td></td>
</tr>
<tr>
<td><strong>FHCS 88 B</strong></td>
<td>For FH conveyor. Figure C, E A= 200 mm, B= 171 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Images:**
- Image 1: Conveyor beam support brackets
- Image 2: Diagram of bracket types
- Image 3: Dimensions of bracket types
Conveyor accessories

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Pallet handling components 2
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Pallet handling components
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLPP 100X100</td>
<td>Pallet 100 mm X 100 mm</td>
</tr>
<tr>
<td>FMPP 150X150</td>
<td>Pallet 150 mm X 150 mm</td>
</tr>
<tr>
<td>FMPP 150X200</td>
<td>Pallet 150 mm X 200 mm</td>
</tr>
<tr>
<td>FMPP 150X250</td>
<td>Pallet 150 mm X 250 mm</td>
</tr>
</tbody>
</table>

**Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMPS 100</td>
<td>Slide block for pallet One slide block</td>
</tr>
<tr>
<td>F3903214</td>
<td>Shaft and roller kit One shaft, seven rollers</td>
</tr>
<tr>
<td>FMPL 13X20</td>
<td>Initiator plate Including screw Must be ordered in multiples of 25 (25, 50, 75, ...)</td>
</tr>
<tr>
<td>FMPD 2X10 E</td>
<td>Pneumatic stop cylinder</td>
</tr>
</tbody>
</table>
Guide rail for pallets in bends
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3904896</td>
<td>Outer guide rail for 180° bend</td>
</tr>
<tr>
<td>F3905238</td>
<td>Inner guide rail for 180° bend</td>
</tr>
<tr>
<td>F3904897</td>
<td>Outer guide rail for 90° bend</td>
</tr>
<tr>
<td>F3905239</td>
<td>Inner guide rail for 180° bend</td>
</tr>
<tr>
<td>F3904898</td>
<td>Outer guide rail for 180° bend</td>
</tr>
<tr>
<td>F3904899</td>
<td>Outer guide rail for 90° bend</td>
</tr>
</tbody>
</table>
Structural system FC

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Support beams and small beams 2
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Connectors-mounting plates 10
Connectors-slot fasteners 12
Connecting strips 14
Connectors-small fittings 15
Feet 16
Feet, polyamide 19
Feet-end plates 21
Support beams and small beams
### Support beams

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FCBM 3X88</strong></td>
<td>Beam 88 mm x 88 mm Heavyweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBL 3X88</strong></td>
<td>Beam 88 mm x 88 mm Lightweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBE 88</strong></td>
<td>End cap Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FCBM 3X44X88</strong></td>
<td>Beam 44 mm x 88 mm Heavyweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBL 3X44X88</strong></td>
<td>Beam 44 mm x 88 mm Lightweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBE 44X88</strong></td>
<td>End cap Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FCBM 3X64</strong></td>
<td>Beam 64 mm x 64 mm Heavyweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBL 3X64</strong></td>
<td>Beam 64 mm x 64 mm Lightweight version Aluminium, anodized</td>
<td>Length 3 mt</td>
<td></td>
</tr>
<tr>
<td><strong>FCBE 64</strong></td>
<td>End cap Polyamide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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## Support beams

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material</th>
<th>Length</th>
</tr>
</thead>
</table>
| FCBM 3X44X64 | Beam 44 mm x 64 mm Heavyweight version  
Aluminium, anodized | Length 3 mt               |         |
| FCBL 3X44X64 | Beam 44 mm x 64 mm Lightweight version  
Aluminium, anodized | Length 3 mt               |         |
| FCBE 44X64   | End cap Polyamide                               |                           |         |
| FCBM 3X44 | Beam 44 mm x 44 mm Heavyweight version  
Aluminium, anodized | Length 3 mt               |         |
| FCBL 3X44 | Beam 44 mm x 44 mm Lightweight version  
Aluminium, anodized | Length 3 mt               |         |
| FCBE 44   | End cap Polyamide                               |                           |         |
Enclosure beams

Beam 44 mm x 44 mm with two adjacent T-slots
Lightweight version
Aluminium, anodized

FCBL 3X44 T2  Length 3 mt

Beam 44 mm x 44 mm with two opposite T-slots
Lightweight version
Aluminium, anodized

FCBL 3X44 T2A  Length 3 mt

Beam 44 mm x 44 mm with three T-slots
Lightweight version
Aluminium, anodized

FCBL 3X44 T3  Length 3 mt

End cap for enclosure beams: see FCBE 44
## Small beams

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Material</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCBL 3X15X44</td>
<td>Beam 15 mm x 44 mm</td>
<td>Aluminium, anodized</td>
<td>3 mt</td>
</tr>
<tr>
<td>FCBE 15X44</td>
<td>End cap, Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCBB 3X24X44</td>
<td>Beam 24 mm x 44 mm</td>
<td>Aluminium, anodized</td>
<td>3 mt</td>
</tr>
<tr>
<td>FCBE 24X44</td>
<td>End cap, Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCBB 3X24X34</td>
<td>Beam 24 mm x 34 mm</td>
<td>Aluminium, anodized</td>
<td>3 mt</td>
</tr>
<tr>
<td>FCBE 24X34</td>
<td>End cap, Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCBB 3X24</td>
<td>Beam 24 mm x 24 mm</td>
<td>Aluminium, anodized</td>
<td>3 mt</td>
</tr>
<tr>
<td>FCBE 24</td>
<td>End cap, Polyamide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCAC 2</td>
<td>Cover strip</td>
<td>Aluminium, anodized</td>
<td>2 mt</td>
</tr>
<tr>
<td>FCAC 3 P</td>
<td>Cover strip</td>
<td>Polyvinyl chloride</td>
<td>3 mt</td>
</tr>
</tbody>
</table>
Enclosure components – conduit elements

**Cover for cable duct, 44 mm**
Aluminium, anodized

**FCCC 3X44**
Length 3mt

**Cable duct, 44 mm X 44 mm**
Aluminium, anodized

**FCCD 3X44**
Length 3mt

**Cover for cable duct, 88 mm**
Aluminium, anodized

**FCCC 3X88**
Length 3mt

**Cable duct, 88 mm X 88 mm**
Aluminium, anodized

**FCCD 3X88**
Length 3mt

**Cable duct, 44 mm X 88 mm**
Aluminium, anodized

**FCCD 3X44X88**
Length 3mt
Connectors – angle brackets
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMFA 84 A</td>
<td>Angle bracket</td>
<td>Aluminium, die-cast</td>
<td>M6S 8X16 (8), BRB 8.4X16 (8), FCAN 8 (8)</td>
</tr>
<tr>
<td>FMFA 84 B</td>
<td>Angle bracket</td>
<td>Aluminium, die-cast</td>
<td>M6S 8X16 (4), BRB 8.4X16 (4), FCAN 8 (4)</td>
</tr>
<tr>
<td>FLFA 44 A</td>
<td>Angle bracket</td>
<td>Aluminium, die-cast</td>
<td>M6S 8X16 (4), BRB 8.4X16 (4), FCAN 8 (4)</td>
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<td>FLFA 44 B</td>
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<td>FLFA 44 C</td>
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<td>M6S 8X16 (3), BRB 8.4X16 (3), FCAN 8 (3)</td>
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<td>FLFA 44 D</td>
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<td>M6S 8X16 (5), BRB 8.4X16 (5), FCAN 8 (5)</td>
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<td>FLFA 24</td>
<td>Angle bracket</td>
<td>Aluminium, die-cast</td>
<td>M6S 6X14 (2), BRB 6.4X12 (2), FCAN 6 (2)</td>
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## Angle brackets, extruded

<table>
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<th>Part No.</th>
<th>Description</th>
<th>Material</th>
<th>Mounting Details</th>
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</thead>
</table>
| FMFA 84  | Angle bracket  
Aluminium, die-cast  
Mounting: M6S 8X16 (6)  
BRB 8.4X16 (6), FCAN 8 (6) | | |
| FLFA 44  | Angle bracket  
Aluminium, die-cast  
Mounting: M6S 8X16 (2)  
BRB 8.4X16 (2), FCAN 8 (2) | | |
| FCFJ 44  | Stay bracket, including reversible guide lugs Zinc, die-cast  
Mounting: MLC6S 8X14 (2), FCAN 8 (2), (beam side) or MLC6S 8´30 (2) (beam end) | | |
| FCFJ 44 F| Stay bracket, including reversible guide lugs Zinc, die-cast  
Mounting: MLC6S 8X14 (2), FCAN 8 (2), (beam side) or MLC6S 8´30 (2) (beam end) | | |
Connectors – slot fasteners
## Slot nuts and nut profile

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<th>Type</th>
<th>Thread</th>
<th>Material</th>
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<tr>
<td>FCAN 8</td>
<td>Slot nut, M8 thread</td>
<td>M8</td>
<td>Steel, zinc-chromated</td>
</tr>
<tr>
<td>FCAN 6</td>
<td>Slot nut, M6 thread</td>
<td>M6</td>
<td>Steel, zinc-chromated</td>
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<tr>
<td>FCAN 5</td>
<td>Slot nut, M5 thread</td>
<td>M5</td>
<td>Steel, zinc-chromated</td>
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<tr>
<td>FLAQ 8</td>
<td>Square nut, M8 thread</td>
<td>M8</td>
<td>Steel, electro-zinc-plated</td>
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<tr>
<td>FLAQ 6</td>
<td>Square nut, M6 thread</td>
<td>M6</td>
<td>Steel, electro-zinc-plated</td>
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</table>

![Slot nut, M8 thread](image1)
![Slot nut, M6 thread](image2)
![Slot nut, M5 thread](image3)
![Square nut, M8 thread](image4)
![Square nut, M6 thread](image5)
## Connecting strips

<table>
<thead>
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<th>Part Number</th>
<th>Description</th>
<th>Specification</th>
<th>Material</th>
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<tr>
<td>FLCJ 5X140</td>
<td>Connecting strip with M8 set screws</td>
<td>Length 140 mm</td>
<td>Steel, electro-zinc-plated</td>
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<tr>
<td>FLCJ 5X76</td>
<td>Connecting strip, M8 thread</td>
<td>Length 76 mm</td>
<td>Steel, electro-zinc-plated</td>
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<tr>
<td>FSCJ 6X130</td>
<td>Connecting strip, M8 thread</td>
<td>Length 130 mm</td>
<td>Steel, electro-zinc-plated</td>
</tr>
<tr>
<td>FSCJ 6X160</td>
<td>Connecting strip, M8 thread</td>
<td>Length 160 mm</td>
<td>Steel, electro-zinc-plated</td>
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<tr>
<td>FLCJ 6X130</td>
<td>Connecting strip, M8 thread</td>
<td>Length 130 mm</td>
<td>Stainless steel</td>
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<td>FLCJ 6X140</td>
<td>Connecting strip, M8 thread</td>
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<td>Stainless steel</td>
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<td>FLCJ 6X160</td>
<td>Connecting strip, M8 thread</td>
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<td>Stainless steel</td>
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<tr>
<td>FCFP 75</td>
<td>Parallel connector assembly for connecting beams T-slot to T-slot</td>
<td>Length 75 mm</td>
<td>Aluminium, anodized</td>
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## Connectors – small fittings

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<th>Dimensions</th>
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<td>Inner fitting 90°</td>
<td>20x30x20</td>
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<td>Including T-Bolt, nut, set</td>
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<tr>
<td></td>
<td>screw</td>
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<td>FMRY 20</td>
<td>Inner fitting 90°, double</td>
<td>20x30x20</td>
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<tr>
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<td>Including screws</td>
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<td>FMRY 20A</td>
<td>Inner fitting 90°</td>
<td>20x30x20</td>
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<td>Mounting: M6S 8X14 (2)</td>
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<tr>
<td></td>
<td>BRB 8.4X16 (2)</td>
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<tr>
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<td>FCAN 8 (2)</td>
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<td>FMRY 20X45A</td>
<td>Inner fitting 45°</td>
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<td>BRB 8.4X16 (2)</td>
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<tr>
<td></td>
<td>FCAN 8 (2)</td>
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<tr>
<td>FMRW 20</td>
<td>Corner fitting 90°</td>
<td>20x20x30</td>
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<tr>
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<td>Including set screws</td>
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<td>FMRW 20X45</td>
<td>Corner fitting 45°</td>
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Feet
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<tr>
<th><strong>Feet</strong></th>
<th><strong>Including fastener kit</strong></th>
<th><strong>Aluminium, die-cast</strong></th>
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<tbody>
<tr>
<td><strong>FCFF 88X260 A</strong></td>
<td>Foot for beam FCBM/FCML..X88</td>
<td>Max. bending moment 1500 Nm</td>
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<td><img src="image1.png" alt="Diagram" /></td>
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<tr>
<td><strong>FCFF 64X210 A</strong></td>
<td>Foot for beam FCBM/FCML..X64</td>
<td>Max. bending moment 750 Nm</td>
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<td><img src="image2.png" alt="Diagram" /></td>
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<tr>
<td><strong>FCFF 44X130 A</strong></td>
<td>Foot for beam FCBM/FCML..X44</td>
<td>Max. bending moment 250 Nm</td>
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<td><img src="image3.png" alt="Diagram" /></td>
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### Feet

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<tr>
<th>Model</th>
<th>Description</th>
<th>Diagram</th>
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<tr>
<td>FCFB 88 F</td>
<td>Foot plate for beam FCBM/FCBL..X88 Aluminium, anodized Mounting: MF6S 8X30 (4) or MF6S 6X30 (4)</td>
<td><img src="image1.png" alt="Diagram" /></td>
</tr>
<tr>
<td>FCFB 44X64 A</td>
<td>Foot plate for beam FCBM 44X64 mm Aluminium, anodized Mounting: M6S 8X18 (2) BRB 8.4X16 (2), FCAN 8 (2)+MF6S 8X30 (4). Cannot be used with FCBL beams</td>
<td><img src="image2.png" alt="Diagram" /></td>
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<tr>
<td>FCFS 12X56</td>
<td>Adjustable foot Including nut</td>
<td><img src="image3.png" alt="Diagram" /></td>
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<td>FCAG 80 A</td>
<td>Guide roller</td>
<td><img src="image4.png" alt="Diagram" /></td>
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<tr>
<td>FCAG 80 BA</td>
<td>Guide roller with multistop brake</td>
<td><img src="image5.png" alt="Diagram" /></td>
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Feet for 64 mm beam
### Feet, polyamide, for 64 mm beam

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</table>
| **FEFG 64 T** | Three-point foot for FC..64 beam  
D=64 mm  
Incl. screws and clamps  
Polyamide, glass-fibre reinforced  
Max. vertical load 800 N |
| **FEFG 70 T** | Three-point foot for FEFU 500  
D=70 mm  
Incl. screws and clamps  
Polyamide, glass-fibre reinforced  
Max. vertical load 800 N |
| **FEFG 64 D** | Two-point foot for FC..64  
D=64 mm  
Incl. screws and clamps  
Polyamide, glass-fibre reinforced  
Max. vertical load 800 N |
| **FLFS 20P** | Adjusting foot for FEFG 64/70 T/D  
Polyamide glass-fibre reinforced  
With ball joint and M20 locking nut |
| **FLFJ 69** | Vibration absorber  
For FLFS 20 P  
Thermoplastic polyester |
| **FEFU 500** | Square section tube height adjustment assembly for FEFG 70 T  
Including locking levers  
Length 500 mm  
Aluminium, anodized |
Feet – end plates
## End plates

### FCFE 44 M8
- End plate for beam
- FCBL...X44, M12 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)

### FCFE 44 M12
- End plate for beam
- FCBL...X44, M8 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)

### FCFE 44X64 M12 A
- End plate for beam
- FCBL/FCBM...X44X64, M12 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)

### FCFE 44X88 M12 A
- End plate for beam
- FCBL/FCBM...X44X88, M12 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)

### FCFE 64 M12 A
- End plate for beam
- FCBL/FCBM...X64, M12 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)

### FCFE 88 M12 A
- End plate for beam
- FCBL/FCBM...X88, M12 thread
- Zinc, die-cast Mounting:
  - MC6S 6X30 (4)
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