Structural system XF

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Features

The XF system includes two basic beam types:
• support beams (XFBM) in cross-sectional dimensions 30 mm × 30 mm and 30 mm × 60 mm
• several enclosure beams (XFEB) intended for enclosure frameworks.

T-slot dimensions

All support beams have holes for M6 screws in the corners for connecting mounting plates, end plates etc. Always use roller threading to ensure a reliable screw connection.
Beams XF

Beam specifications

<table>
<thead>
<tr>
<th>Beam type</th>
<th>Cross-section</th>
<th>Weight kg/m</th>
<th>$I_x$ x10^4</th>
<th>$I_y$ x10^4</th>
<th>$W_x$ x10^3</th>
<th>$W_y$ x10^3</th>
</tr>
</thead>
<tbody>
<tr>
<td>XFBM ..×30</td>
<td>345</td>
<td>0,93</td>
<td>2,00</td>
<td>2,00</td>
<td>3,00</td>
<td>3,00</td>
</tr>
<tr>
<td>XFBM ..×30×60</td>
<td>582</td>
<td>1,57</td>
<td>7,11</td>
<td>7,11</td>
<td>5,29</td>
<td>5,29</td>
</tr>
<tr>
<td>XFEB ..×30</td>
<td>342</td>
<td>0,92</td>
<td>1,99</td>
<td>1,99</td>
<td>2,99</td>
<td>2,99</td>
</tr>
<tr>
<td>XFEB ..×30 T3</td>
<td>340</td>
<td>0,91</td>
<td>1,95</td>
<td>1,95</td>
<td>3,01</td>
<td>3,01</td>
</tr>
<tr>
<td>XFEB ..×30 T2</td>
<td>340</td>
<td>0,91</td>
<td>1,96</td>
<td>1,96</td>
<td>2,94</td>
<td>2,94</td>
</tr>
</tbody>
</table>

Support beam 30×30

Beam 30 mm × 30 mm
Aluminium, anodized
Length 3 m (3030 ±5 mm)
End cap, polyamide, grey
T-slot dimensions: See page 439. Beam weight: 0,93 kg/m
*Note. Must be ordered in multiples of 10

Support beam 30×60

Beam 30 mm × 60 mm
Aluminium, anodized
Length 3 m (3030 ±5 mm)
End cap, polyamide, grey
T-slot dimensions: See page 439. Beam weight: 1,57 kg/m
*Note. Must be ordered in multiples of 10

Cover strip

Cover strip for T-slot
Polyvinyl chloride, grey

Connectors XF

Angle bracket, die-cast, 28×28×26

Angle bracket
Aluminium, die-cast
Mounting: MLC6S 6×12 (2), BRB 6.4×12 (2), XFAN 6 (2)

Angle bracket for corners, die-cast

Angle bracket for corners
Zinc, die-cast
Mounting: MC6S-TT 6×30 (3)
Connectors XF (continued)

**End cap for corner bracket**

End cap for corner bracket
Polyamide

Note. Use XFBE 30 C when XFFA 30 C is used with enclosure beams. See page 442.
*Note. Must be ordered in multiples of 10

**Mounting plate 30×70**

Mounting plate for beam XFBM ..×30
Aluminium, anodized

**Fastener yoke 30 mm**

Fastener yoke assembly
Length 30 mm

**Feet XF**

**Adjustable foot M6**

Adjustable foot
H=28–36 mm
Steel, electro-zinc-plated
M6 thread

**Maximum vertical load 400 N**

**Floor attachment bracket**

Floor attachment bracket
Stainless steel

Including the necessary mounting hardware

**Fastener yoke 60 mm**

Fastener yoke assembly
Length 60 mm

**Drill fixture**

Drill fixture for fastener yokes (Ø12.2 mm)

**T-slot nut for System XF T-slot**

T-slot nut for XF
Steel, zinc-chromated

**Notes:**
- Must be ordered in multiples of 10
- Multipack (500 pcs)
- (Ø5,3 mm)
- (Ø12,2 mm)}
Enclosure components XF

Enclosure beam 30×30, four T-slots

- Enclosure profile, square section
  - 30 mm × 30 mm, four T-slots
  - aluminium, anodized
  - Length 3 m (3030 ± 5 mm)
  - Length to order (30-3000 mm)
  - End cap, polyamide, grey

  **XFEB 3×30**  
  **XFEB L×30**

  With standard XF T-slots and hole for M6
  Beam weight: 0.92 kg/m
  *Note. Must be ordered in multiples of 10

Enclosure beam 30×30, three T-slots

- Enclosure profile, square section
  - 30 mm × 30 mm, three T-slots
  - aluminium, anodized
  - Length 3 m (3030 ± 5 mm)
  - Length to order (30-3000 mm)
  - End cap, polyamide, grey

  **XFEB 3×30 T3**  
  **XFEB L×30 T3**

  With standard XF T-slots and hole for M6
  Beam weight: 0.91 kg/m
  *Note. Must be ordered in multiples of 10

Enclosure beam 30×30, two T-slots

- Enclosure profile, square section
  - 30 mm × 30 mm, two T-slots
  - aluminium, anodized
  - Length 3 m (3030 ± 5 mm)
  - Length to order (30-3000 mm)
  - End cap, polyamide, grey

  **XFEB 3×30 T2**  
  **XFEB L×30 T2**

  With standard XF T-slots and hole for M6
  Beam weight: 0.91 kg/m
  *Note. Must be ordered in multiples of 10

Enclosure connector kit

- Zinc, die-cast

  **XFEF 30**

  Including the necessary mounting hardware

Angle bracket for corners

- Zinc, die-cast

  **XFFA 30 C**

  Mounting: MC6S-TT 6×30 (3)

End cap

- End cap for corner bracket when used with enclosure beams
  Polyamide

  **XFE 30 C**

  Note. Must be ordered in multiples of 10

Corner bracket

- Aluminium, four-pack kit

  **5053010**

  Including the necessary mounting hardware
Enclosure components XF (Continued)

**Multiblock**
- Polyamide
- Including M6 square nut

**Hinge kit XF–XF**
- Aluminium
- Including the necessary mounting hardware

**Rim strip**
- Polyvinyl chloride, grey

**Handle assembly XC/XF, polyamide**
- Polyamide
- Including adapter plate for XC
- Mounting XF: MC6S 5x12 (2), XFAN 5 (2)

**Net strip**
- Polyvinyl chloride, grey

**Ball latch lock kit XF–XF**
- Aluminium, anodized
- Including ball latch and the necessary mounting hardware

**Sliding door profile**
- Polyvinyl chloride, grey

**Safety switch bracket kit XF–XF**
- Aluminium, anodized
- Including the necessary mounting hardware. For safety switches Schmersal AZ 15/16-B1 and Guardmaster Trojan 5 (not included).
Enclosure components XF (Continued)

Hinge kit XF–XC
Aluminium, anodized
Including the necessary mounting hardware

Ball latch lock kit XF–XC
Aluminium, anodized
Including ball latch and the necessary mounting hardware

Safety switch bracket kit XF–XC
Including the necessary mounting hardware. For safety switches Schmersal AZ 15/16-B1 and Guardmaster Trojan 5 (not included).

Sliding element for T-slot
Including screws and nut