Introduction
The XD enclosure components are designed to facilitate building of self-supporting aluminium frameworks up to 1 m³. When larger structures are needed, a series of 1 m³ cubicles can be combined. The only necessary labour involves cutting profiles. Suitable panels can be purchased locally.

It is also possible to combine a door made of XD enclosure components with an XC 44 mm framework. Connecting plates for security switches are an integrated part of the system.

For freestanding partitions, refer to pages XC 46–47.

Enclosure profiles
The XD framework profiles exist in four versions: The standard profile XDEB × 22 has standard XD T-slots on all sides (Fig. 1).

If enclosure structures without T-slots visible from the outside are desired, two 22 mm × 22 mm profiles with three and two T-slots are available: XDEB × 22 T3/T2. See illustration above at right.

To make structures with a 45 degree incline, use profile XDEB × 22/45 (Fig. 2).

End caps are available to cover the open beam ends. T-slot cover XDAC 3 P (page 10) can be used to cover the T-slots.

Enclosure connector kit
The XD enclosure connector kit XDEF 22 is mounted directly into the profile with an M5 selftapping screw (Fig. 3). Then a spring is put into the hole (Fig. 4). The T connector is inserted into the housing and pre-mounted with the set screw (Fig. 5). When the profile is inserted into the framework, the T connector will automatically turn into position in the T-slot when the set screw is tightened (Fig. 5, 6).

XDEF 22 A is a special version of the enclosure connector kit. This kit is used to connect an XDEB framework to an XDBM or XCBM profile. The kit contains a separate T connector for each beam type (Fig. 7, 8).
Enclosure components

Door profile
The XDED ..×20×22 profile is used to build doors in frames built from XDEB enclosure profiles. See illustration on page 18, top left.

Door profile connectors
Door profile connector kit XDEF 20×22 D contains the connecting components needed to integrate a door into an XDEB framework. The connectors are mounted to the ends of door profiles XDED ..×20×22 with selftapping screws (Fig. 1). The beam cutting lengths specified in the dimension drawing adjacent to Fig. 5 are based on a door to frame clearance of 3 mm.

Then, the hinge pieces are inserted into the door connectors at the desired positions (left-hinged or right-hinged). See Fig. 2, 3.

The hinge pieces fit into special connecting strips located in the T-slots of the framework (Fig. 4). The connecting strips must be placed in the T-slots of the framework before it is fully assembled.

When the door has been positioned correctly within the framework, the connecting strip can be secured in place by drilling a hole in the framework profile for a stop pin (Fig. 5). Oval holes for the hinge piece locking screws permit adjustment of the vertical position of the door by 3.5 mm.

Hinge kit XD-XD
XDHA 110 B is an aluminium hinge which can be placed on either side of the door.

Door handle
Door handle XDEH 100 A is an aluminium handle designed especially to fit the door profile. See Fig. 6, 7. To allow for the thickness of the handle, ensure that the clearance between door and framework is a minimum of 3 mm.

Enclosure strips
Four PVC strip profiles can be used with the XD enclosure components:

- Rim strip for mounting of 3 mm panels (Fig. 8).
- Sliding door profile for two 3–4 mm panels (Fig. 9).
- Special strip for nets (Fig. 10). The nets can be 3–4 mm thick.
- Cover strip for the gap between the framework and the door profile (Fig. 11). The strip is suitable for a gap of 2–4 mm. Note that the cover strip is intended to provide dust protection, sound reduction and personal safety. It will not protect against continuous splashing of water or other fluids.
Enclosure components

Ball latch lock kit
Ball latch lock kit XDEL 60 B can be placed at any desired position in an XDEB framework. Please note that a minimum clearance of 3 mm is needed between the framework and the door profile. See Fig. 1.

Security switch kit
Security switch kit XDEL 52 W is mounted on the inner side of the bottom XDEB framework profile. The connecting plate fits security switch Schmersal AZ 15/16-B1 (not included in kit). See Fig. 2.

XD-XC frame connector kit
Frame connector XDEF 70 permits the mounting of an XD enclosure framework to an XC 44 mm × 44 mm beam. See Fig. 3.

Adjusting mount
The standard XDFS 5x30 adjusting mount (page 17) can be mounted directly into any XDEB profile.

Multiblock
The XDAM 2 multiblock is intended for attachment of enclosure sheets to XD beams. The multiblock is inserted into the beam T-slot and fixed by turning through 90°. The block has a nut pocket for mounting with an M6 screw and a nut.

XD door in XC 44 mm framework
All XDEB..×22×22.. framework profiles can also be used to make doors which fit into XC 44 mm × 44 mm structures. See Fig. 4. The following components are designed for this application.

Hinge kit XD-XC
XDAH 110 A is an aluminium hinge which can be placed on either side of the door. See Fig. 5.

Handle kit
Plastic handle XDEH 160 (Fig. 6) fits all XD profiles. It is delivered with an accompanying mounting plate for fitting the handle to XC 44 mm beams. See page XC 45. The mounting plate is not used with XD profiles.

Ball latch lock kit
XDEL 60 BA is a ball latch lock kit adapted for the combination of an XD door profile and an XC 44 mm × 44 mm framework. See Fig. 7.

Security switch kit
XDEL 60 WA is designed to permit attachment of a security switch to the combination of an XD door profile and an XC 44 mm × 44 mm framework. The connecting plate fits security switch Schmersal AZ 15/16-B1 (not included in kit). See Fig. 8.
### Enclosure profiles

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XDEB 3×22</td>
<td>Enclosure profile 22 mm × 22 mm, Aluminium, anodized. With standard XD T-slots and hole for M5 threading. Four T-slots, length 3 m.</td>
</tr>
<tr>
<td>XDEB L×22</td>
<td>Enclosure profile 22 mm × 22 mm, Aluminium, anodized. With standard XD T-slots and hole for M5 threading. Four T-slots, length to order.</td>
</tr>
<tr>
<td>XDEB 3×22/45</td>
<td>Enclosure profile 22 mm × 22 mm, 45°. Aluminium, anodized. Length 3 m.</td>
</tr>
<tr>
<td>XDEB L×22/45</td>
<td>Enclosure profile 22 mm × 22 mm, 45°. Aluminium, anodized. Length to order.</td>
</tr>
<tr>
<td>XDEE 22</td>
<td>End cap 22 mm × 22 mm, Polyamide, grey.</td>
</tr>
</tbody>
</table>

### Sliding element for T-slot

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XDLB 20×42</td>
<td>Sliding element for T-slot. UHMW-PE. Including screws and nut.</td>
</tr>
</tbody>
</table>
### Enclosure connectors

<table>
<thead>
<tr>
<th>Enclosure connector kit</th>
<th>Description</th>
</tr>
</thead>
</table>
| **XDEF 22** | Enclosure connector kit  
Aluminium, die-cast  
Including the necessary mounting hardware |
| **XDEF 22 A** | Enclosure connector kit for XC–XD beams  
Aluminium, die-cast  
Including the necessary mounting hardware |
| **XDEF 20×22 D** | Door profile connector kit  
Aluminium, die-cast  
Including four door profile connectors, two hinge pieces and the necessary mounting hardware |
| **XDEF 70** | XD–XC frame connector kit  
Aluminium, anodized  
Including the necessary mounting hardware |

### Enclosure strips

<table>
<thead>
<tr>
<th>Enclosure strip</th>
<th>Description</th>
</tr>
</thead>
</table>
| **XDET 3 A** | Rim strip  
Length 3 m  
Polyvinyl chloride, grey |
| **XDET 3 B** | Cover strip for doors  
Length 3 m  
Polyvinyl chloride, grey |
| **XDET 3 C** | Net strip  
Length 3 m  
Polyvinyl chloride, grey |
| **XDET 3 D** | Sliding door profile  
Length 3 m  
Polyvinyl chloride, grey |

### Multiblock

<table>
<thead>
<tr>
<th>Multiblock</th>
<th>Description</th>
</tr>
</thead>
</table>
| **XDAM 2** | Multiblock  
Polyamide |
Door accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| XDAH 110 B | Hinge kit XD–XD  
Aluminium  
Including the necessary mounting hardware |
| XDEH 100 A | Handle  
Aluminium, anodized  
Including the necessary mounting hardware |
| XDEL 60 B | Ball latch lock kit  
Aluminium, anodized  
Including ball latch and the necessary mounting hardware |
| XDEL 52 W | Security switch kit  
Aluminium, anodized  
Including the necessary mounting hardware. For security switch Schmersal AZ 15/16-B1 (not included). |

Components for XD doors in XC frames

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| XDAH 110 A | Hinge kit XD–XC  
Aluminium, anodized  
Including the necessary mounting hardware |
| XDEH 160 | Handle XC/XD  
Polyamide  
Including adapter plate for XC  
Mounting:  
MC6S 5×12 (2)  
XDAN 5 A (2) |
| XDEL 60 BA | Ball latch lock kit  
Aluminium, anodized  
Including ball latch and the necessary mounting hardware |
| XDEL 60 WA | Security switch kit  
Aluminium, anodized  
Including the necessary mounting hardware. For security switch Schmersal AZ 15/16-B1 (not included). |