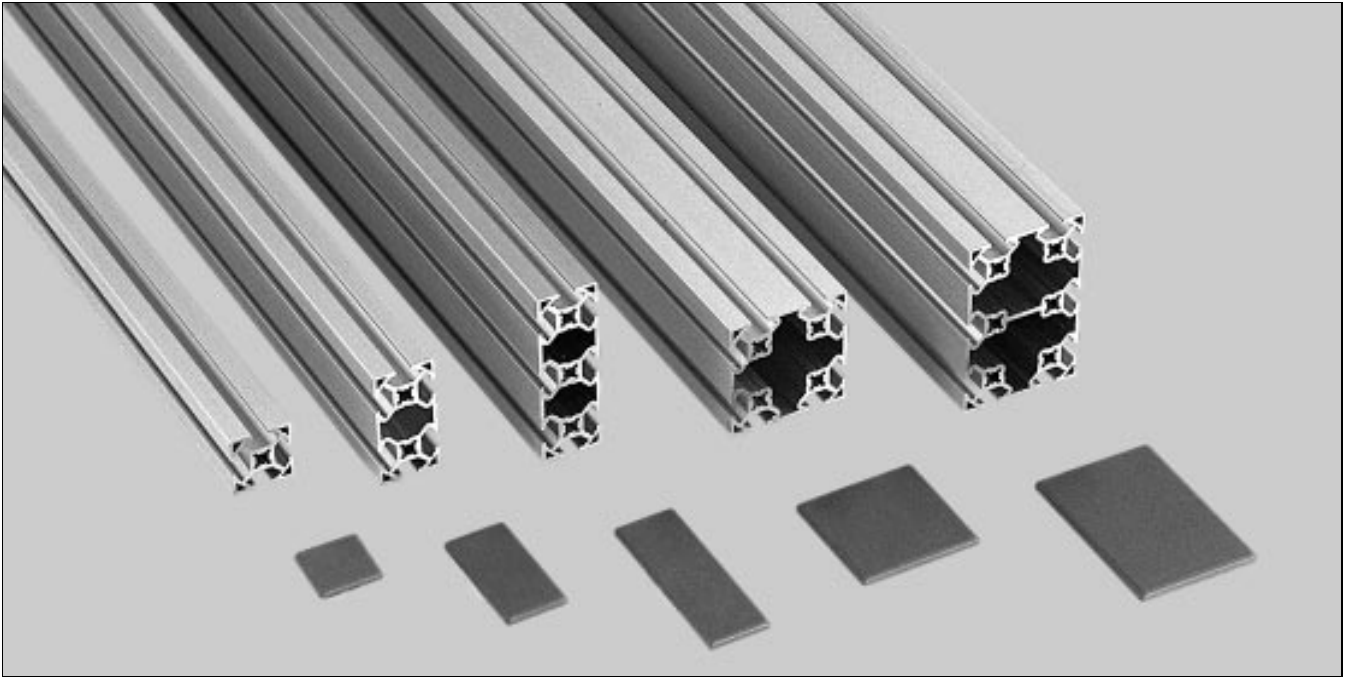


# Support beams



## Several beam sizes

The FlexLink XD system includes support beams in cross-sectional dimensions from 22 mm × 22 mm up to 44 mm × 66 mm. As a standard the beams are delivered in 3 m lengths. In addition, it is possible to order beams according to individual specifications of length, and including threading. See Appendix C in catalogue section APX.

In addition to the support beams, the XD system includes several beam types intended for enclosure frameworks. See [page 21](#).

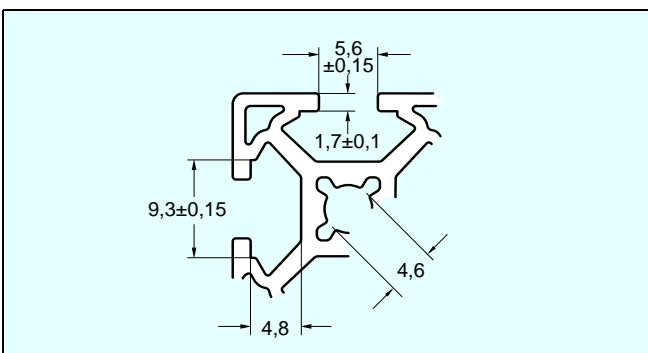
## Technical specifications

Beam type	Cross-section mm <sup>2</sup>	Weight kg/m	I <sub>x</sub> mm <sup>4</sup> ·10 <sup>4</sup>	I <sub>y</sub> mm <sup>4</sup> ·10 <sup>4</sup>	W <sub>x</sub> mm <sup>3</sup> ·10 <sup>3</sup>	W <sub>y</sub> mm <sup>3</sup> ·10 <sup>3</sup>
XDBM ..x44x66	770	2,08	35,0	26,9	10,6	7,67
XDBM ..x44	548	1,48	11,7	–	5,33	–
XDBM ..x22x66	496	1,34	20,8	2,54	6,30	2,31
XDBM ..x22x44	344	0,93	6,60	1,73	3,00	1,57
XDBM ..x22	200	0,54	0,93	–	0,85	–

## T-slots

T-slots on the sides in combination with T-slot nuts (XDAN 5 A, see [page 14](#)) permit easy connection of components anywhere along the beam. The T-slots can be covered by means of plastic cover strips. End caps are available for the beam ends.

The system includes a number of connectors and other components which take advantage of the T-slot feature. This includes special components for linear motion along the beam, with the T-slot used for guidance.



## Support beams

<p><b>XDBM 3×44×66</b> <b>XDBM L×44×66</b></p>	<p>Beam 44 mm × 66 mm Aluminium, anodized T-slot dimensions: <a href="#">page 8</a></p>	
<p><b>XDBE 44×66 L</b></p>	<p>End cap Polyamide, grey</p>	
<p><b>XDBM 3×44</b> <b>XDBM L×44</b></p>	<p>Beam 44 mm × 44 mm Aluminium, anodized T-slot dimensions: <a href="#">page 8</a></p>	
<p><b>XDBE 44 L</b></p>	<p>End cap Polyamide, grey</p>	
<p><b>XDBM 3×22×66</b> <b>XDBM L×22×66</b></p>	<p>Beam 22 mm × 66 mm Aluminium, anodized T-slot dimensions: <a href="#">page 8</a></p>	
<p><b>XDBE 22×66 L</b></p>	<p>End cap Polyamide, grey</p>	

PO  
TR  
XS  
XL  
XM  
XH  
XK  
XW  
CA  
PAL  
XP  
XC  
XD  
XR  
FST  
APX  
IDX

## Support beams

<p><b>XDBM 3×22×44</b> <b>XDBM L×22×44</b></p>	<p>Beam 22 mm × 44 mm Aluminium, anodized T-slot dimensions: <a href="#">page 8</a>  Length 3 m Length to order</p>	
<p><b>XDBE 22×44 L</b></p>	<p>End cap Polyamide, grey</p>	
<p><b>XDBM 3×22</b> <b>XDBM L×22</b></p>	<p>Beam 22 mm × 22 mm Aluminium, anodized T-slot dimensions: <a href="#">page 8</a>  Length 3 m Length to order</p>	
<p><b>XDBE 22 L</b></p>	<p>End cap Polyamide, grey</p>	

## Cover strip

<p><b>XDAC 3 P</b></p>	<p>Cover strip for T-slot Length 3 m Polyvinyl chloride, grey</p>	
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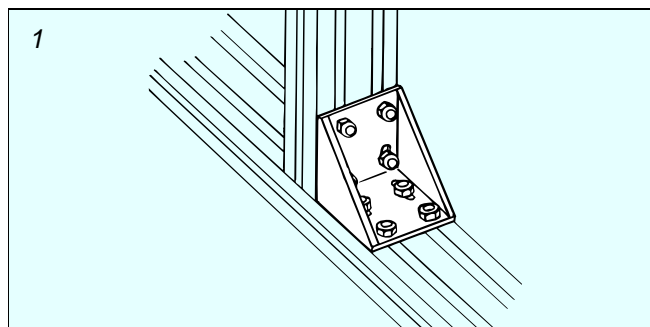
# Introduction to connectors

## Four connection methods

Beams can be interconnected in different ways, depending on stability or angular accuracy requirements, appearance, flexibility, etc. Structural system XD includes components for four ways of interconnecting beams. See [page 34](#) for technical data.

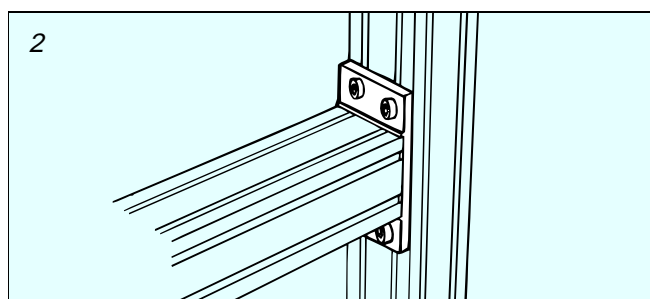
### Angle brackets (1)

Angle brackets are used in applications requiring maximum stability and angular accuracy.



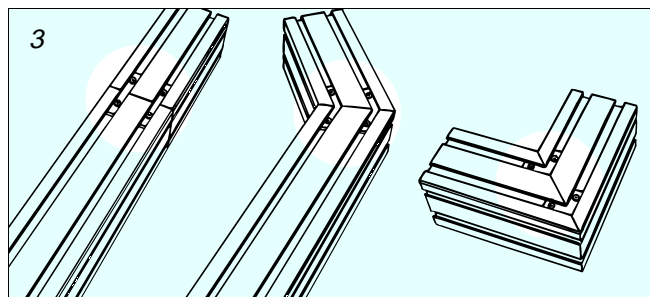
### Mounting plates (2)

Mounting plates provide flexible end to side connections.



### Connecting strips (3)

Connecting strips are used to make neat end to end connections.



### Screw connection (4, 5)

An M5 screw connection can be used with all XDBM beams. It is necessary to drill a larger diameter hole through the first part of the beam for all beams larger than 22 mm. This enables the screw to rest inside the beam, preventing deformation of the beam when the screws are tightened. See Fig. 5.

A thread-cutting screw (Taptite or similar) can be used as an alternative to the MC6S screw specified.

