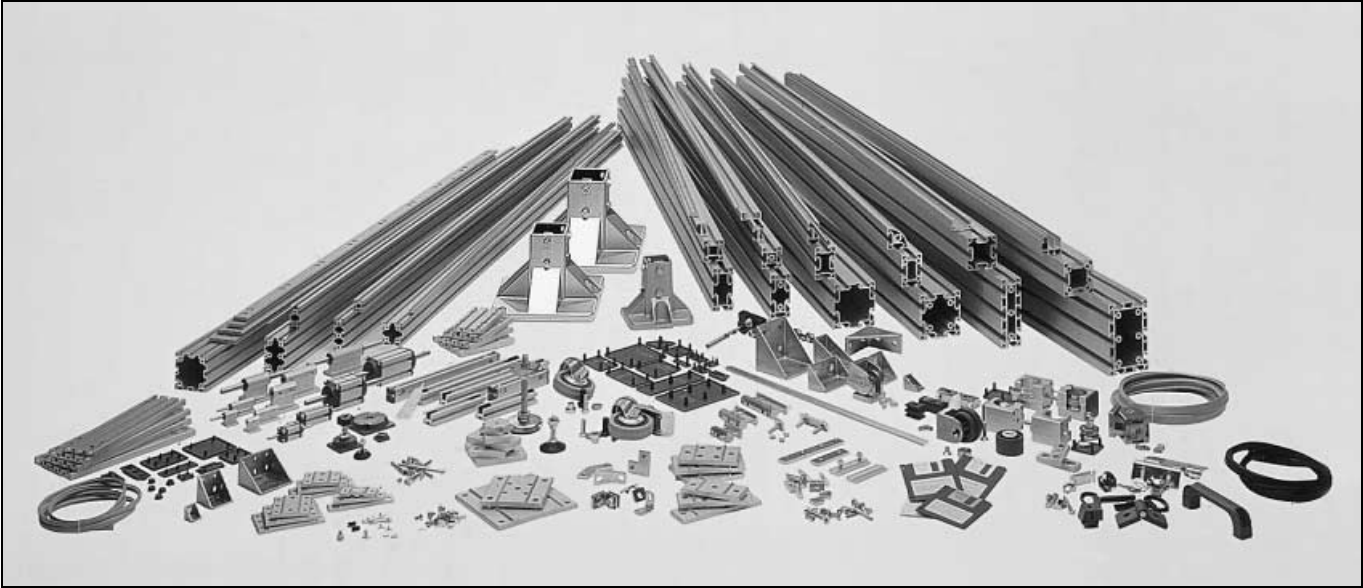


Product overview

Structural systems XC and XF



Introduction

FlexLink structural systems XC and XF are well balanced ranges of standard components which can be combined to form almost any structure. The structural systems are used within a wide range of applications.

Structural system XC offers sturdy components with high load capacity for both static and linear motion systems. It also offers pneumatic components and easy interfacing to the FlexLink conveyor and linear drive unit product lines.

Structural system XF consists of light, yet sturdy components, with emphasis on enclosure applications.

Characteristics

- A wide range of modular extruded aluminium beams with uniform T-slots.
- Standard component assortment for every application area.

- Easy to assemble, adjust, and dismantle using simple hand tools.
- Short time from concept to finished design.
- No welding or painting necessary.
- Pneumatic connectors extend usefulness of beams.

Typical applications

- Frameworks
- Workbenches
- Enclosures
- Special machinery
- Pick-and-place units
- Gantry robots

Other FlexLink products

Materials handling and automation

FlexLink is the trade name for a complete range of standard systems for materials handling and automation. The total package offered to the market consists of eleven different product lines with approximately 2000 standard components (see separate catalogue).

Conveyor systems

- Standard conveyor systems XS, XL, XM, XH, XK, XB
- Wash-down conveyor systems Series C
- Stainless steel conveyor systems Series X
- Wide chain conveyor system XW
- Modular pallet conveyor system XT

Linear drive units

Linear drive units (see separate catalogue) consist of a range of screw- or belt-driven linear drive units which provide accurate and repeatable positioning. All units are assembled according to individual requirements of stroke, load, saddle configuration and drive method.

A structure for every specific application

Features

Introduction

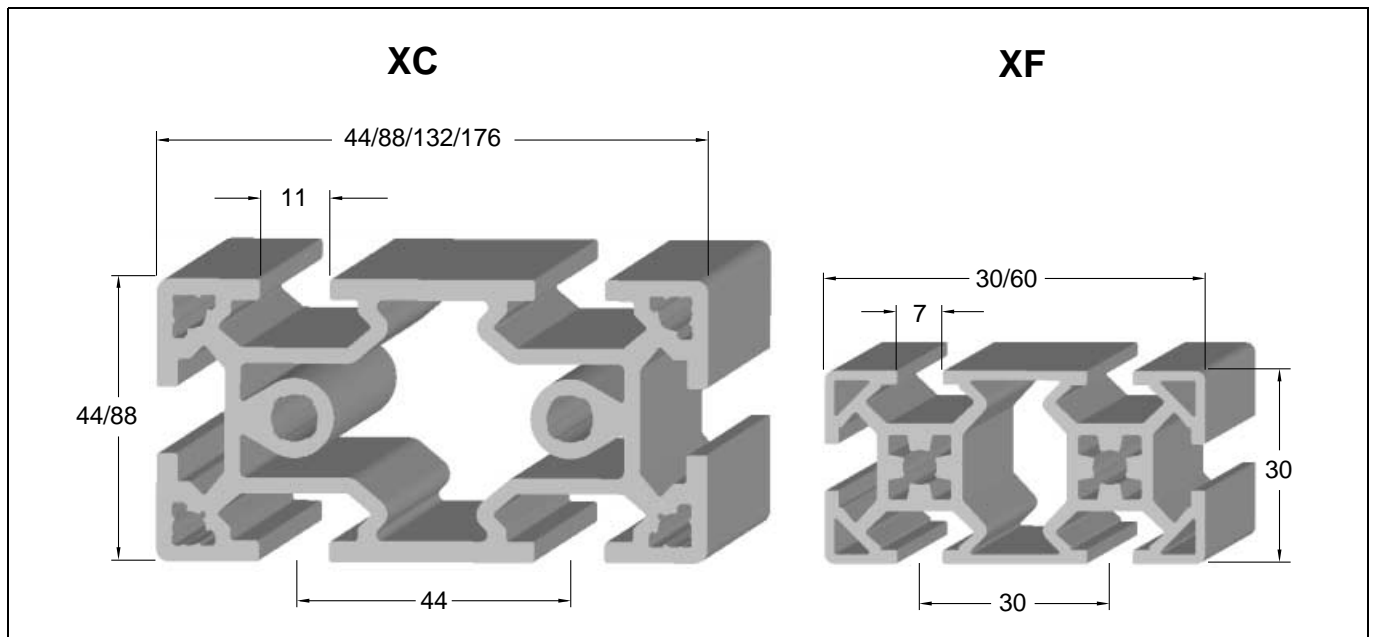
The structural systems XC and XF are of two well balanced ranges of standard components which can be combined to form a structure for every specific application.

The systems are both very flexible and permits quick and easy changes and adjustments at any time. Attractive styling and reusability make them equally suitable for prototype and temporary designs as well as production quantities.

Designing and building a structure is simple and straightforward, and the resulting design retains the flexibility typical of all products from FlexLink Systems.

Characteristics

- Easy to assemble, adjust and dismantle using simple hand tools. No welding necessary.
- Short time from concept to finished design.
- The components can be used over and over again.
- Provides easy mounting of pneumatic or electrical components in the T-slots of the beams.
- The use of anodized aluminium in the beams provides a smooth, hard wearing finish without the need for an added protective finish.
- The system stimulates creativity.



Modules and T-slot sizes

Structural system XC – heavier frameworks and machine stands


FlexLink structural system XC is based on the module 44 mm and offers sturdy components which provide high load capacity for both static and linear motion systems. It is used within a wide range of applications, from frameworks, work benches and enclosures to special machinery, pick and place units and gantry robots.

The structural system XC also serves as the key to all other FlexLink standard systems.


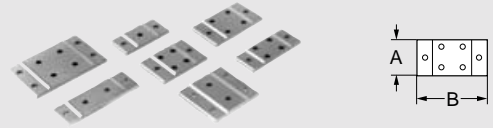


Structural system XF – compact and light enclosure applications

The FlexLink XF system is based on the module 30 mm. It consists of a range of standard components, with emphasis on enclosure applications.






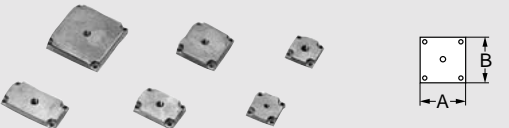
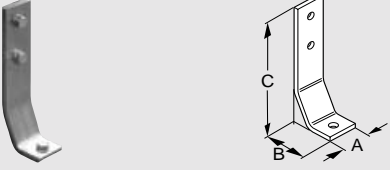
Beams

Product	XC	XF
Support beams Enclosure beams Small beams 	XCBM ... XCBL ... XCBA ... XCBB ... XCBR ...	XFBM ... XFEB ...
L m	3/6/L	3/L
A×B mm	24×24/.../88×176	30×30/30×60

Connectors

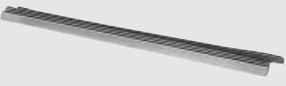
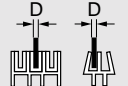

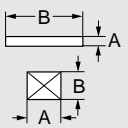






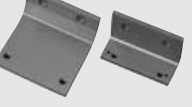
Product	XC	XF
Angle brackets 	XLFA ... XMFA ...	XFFA ...
A×B mm	24×33/.../80×124	28×28/27×27
Mounting plates 	XCFB ...	XFFB ...
A×B mm	44/64/88×100 44/64×120 44/88×145	30×70
Slot fasteners 	XCAN ... XLAQ ... XLCJ ... XCEC 12 XCFP 75 XCAF ... XCAD 10/18	XFAN ... XFAF ...
Small fittings 	XMRX 20 A XMRY ... XMRW ...	

Feet



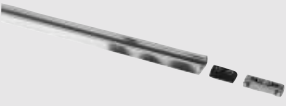
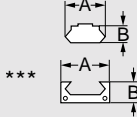

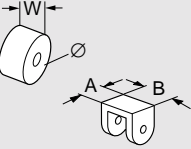

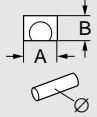

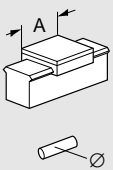
Product	XC	XF
Feet, aluminium 	XCFF 44×130/ 64×210*/88×260** H mm 120/*150/**170 A×B mm 130×130/*210×210 /**260×260	
Feet, polyamide 	XEFG 64 D/64 T/70 T A mm 200 H mm 140	
Foot plates 	XCFB 44/88 F* A×B mm 100×100/*145×145	
Adjustable feet 	XCFS 8×40×43 XCFS 12×60×71* XCFS 12×68** XLFS 8*** XLFS 20 P**** H mm 74/*106/**125/**56/****103 F _{max} N 12000/*15000/**2500/**400/ ****500	XFFS 6×30 50 400
Castors 	XCAG 80 A XCAG 80 BA H mm 108 F _{max} N 600	
End plates 	XCFE... A×B mm 44×44/.../88×88	XFFE 30×60 M6 30×60
Floor attachment brackets 	XCFA 170 S A×B×C mm 40×57×170	XFFA 100 S 20×46×95

Product overview

Enclosure components


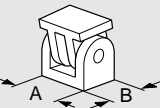
Product	XC	XF
Profiles for sliding door* Slide strip**/**/**  	XLFL* XLFR 3** XCET 3 D***	XFET 3 D**
L m	*(3/L)/**3/**3	3
D mm	**6/**4-5	4-5
Profiles for enclosures  	XCBL *x44 T2 /..T2A/..T3 XCEP **x***	XFEB *x30/..T3/..T2 XFEB *x30/30 /../45/..60**
L m	*(3/6/L)/** (3/L)	*3/L
A-B mm	44x44 **5x44/10x44	30x30
α°	-	**30/45/60
Enclosure strips 	XCET 25 * XCET 3 A XCET 3 C XCET 3 D	XFET 3 A XFET 3 C XFET 3 D XFAC 3 T
L m	*25/3	3
Hinges Multiblock* 	XCAH 50 XCAH 110 A XCAM 14*	XFAH 110 A XFAH 110 B XFAM 6*
Handle 	XDEH 160	XDEH 160
Enclosure connectors 		XFEF 30
Corner bracket kit 		5053010
Ball latch lock kit 	XCEL 60 B XCEL 60 BA	XFEL 60 B XFEL 60 BA
Safety switch kits 	XFEL 60 WA XCEL 60 WA	XFEL 60 W XFEL 60 WA

Components for linear motion

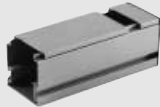
Product	XC	XF	
Sliding element for T-slot  	XCLB 20×30	XFLB 25×50	
	L mm	30	50
	A×B mm	20×22	25×12
Sliding elements for guide profile Guide profile***  	XCLE 34×52 XCLE 34×80 A* XCLP **×44***		
	L mm	52/*80/**(3/6/L m)	
	A×B mm	35×18/*35×18/**44×21	
Wheels Wheel yoke*  	XCAW 48/48 G XCAY 44*		
	∅ mm	48	
	W mm	28	
	A×B mm	*44×44	
Runners for steel shaft (bearing housings) Steel shaft* Shaft support profile**  	XCLU 10×44 R/RE/L/LE XCLJ 10×3* XCLS 10×**		
	∅ mm	*10	
	L m	*3/**(3/L)	
	A×B mm	55×44	
Roller units (saddles) for linear beams Linear beams* Steel shaft**/**  	XCLZ 250×132/300×220 XCLY *×88×15* XCLY *×88×68* XCLY *×88* XD LJ 6×3** XCLJ 10×3***		
	A mm	250/300	
	L m	*(3/6/L)/**3/**3	
	∅ mm	**6/**10	

Product overview


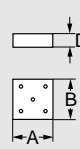

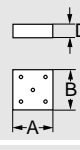

Components for rotating motion

Product	XC	XF	
Joint Extruded joint*  	XCFJ 44 XCFJ 75 E*		
	A×B mm	44×44	

Conduit element

Product	XC	XF	
Conduit element (cable ducts) 	XCCD * _x ** XCCC * _x **		
	L m	*3/L	
	A×B mm	**22(×22)/44(×44) /44×88/88(×88) ***44(×44)/88(×88)	

Pneumatic components

Product	XC	XF	
End plates  	XCPE 44 G1/4 XCPE 44×88 G3/8* XCPE 88 G1/2**		
	D mm	12/*15/*15	
	A×B mm	44×44/*44×88/**88×88	
Connection plates  	XCPE 44×88 C/CM6 XCPE 88 C*/CM6*		
	D mm	15	
	A×B mm	44×88/*88×88	
Pneumatic connector 	3905090		