UNIFAST BEAM CLAMPS

Product Description

Unifast beam clamps are manufactured from cast steel with a high corrosion resistance zinc flake coating and come in two sizes to suit M12 and M16 bolt sizes. The profile of the clamps is designed for the legs to locate on strut channel profiles or flat plates and the geometry of the bolt area ensures the bolt head remains flat to the clamp through the whole clamping range.

Applications

Unifast are universal beam clamps for clamping steel plates, strut profiles and secondary steelwork to steelwork flanges. They are extremely versatile and can accommodate a wide range of flange thicknesses up to 40mm making them highly usable for multiple clamping applications across a project. Additionally the clamping thickness can be increased by up to 10mm using a suitable steel spacer. Unifast are simple to install, give high safe load values and can be used in C4 corrosion classifications.

Installation

Unifast clamps are positioned with the legs resting on the component and the clamping lug located on the steelwork flange. An appropriate size of bolt is inserted through the clamp and component and tightened to the recommended torque setting. Unifast clamps should be used in pairs and the component clamped to both flanges of the steelwork.

USC4

USC2

Selection of Bolts

USC2 – M12 diameter set screw grade 8.8
USC4 – M16 diameter set screw grade 8.8

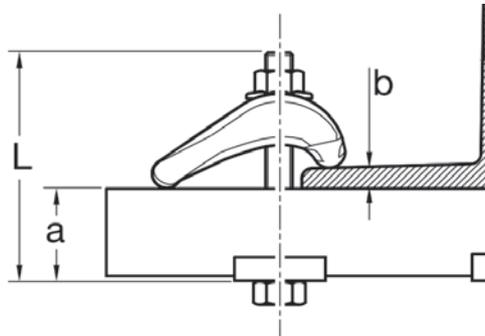### Calculating the bolt length
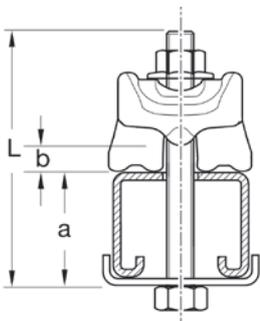
A. Bolted through example
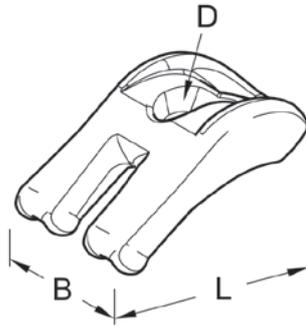M12: Lmin = a + b + 45mm
M16: Lmin = a + b + 55mm

B. Bolt to channel nut example
M12: Lmin = b + 45mm
M16: Lmin = b + 55mm

MIDFIX

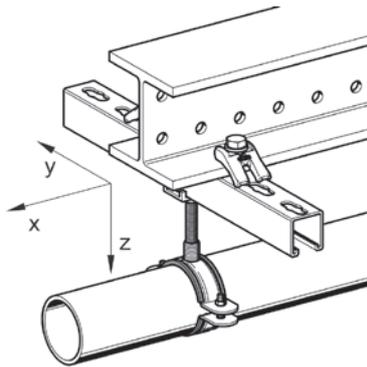**Midland Fixings Ltd**
The Parrs, Lilac Grove, Beeston
Nottingham NG9 1PJ

Call 0115 922 1585
Email sales@midfix.co.uk
Visit www.midfix.co.uk

Technical Data

Dimensions

CODE	CLAMPING RANGE (MM)	DIMENSIONS (MM)		
		B	L	D
USC2	1 - 30	44	60	13
USC4	4 - 40	48	72	17

Loads

CODE	TIGHTENING TORQUE (Nm)	FZ (KN) *1	FX (KN) *2
USC2	85	13.8	3.2
USC4	150	16.7	3.6

*1 = Permitted load per beam clamp in Z direction

*2 = Shear force load capacity in X direction per
 2 beam clamps with a coefficient of static friction μ = 0.20