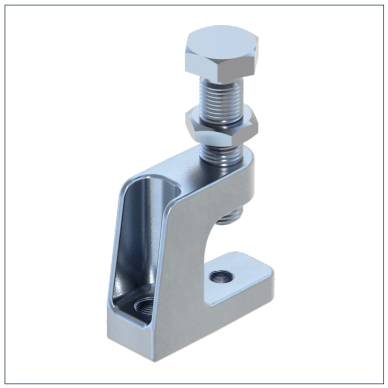
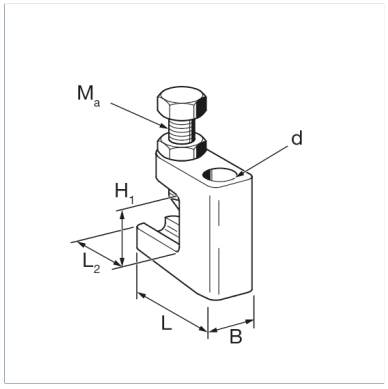
Beam Clamp TCS 0/2









General Information

Heavy-duty connection element which, in combination with grub screws (M8 up to M16), are suitable for mounting pipes, ducts and equipments to steel beams (I-, T-, U-and angle steel beams). The combination with a Universal Joint provides for vertically aligned attachment to inclined beams. Can serve as single mounting element for installing crossbars and for fixing cantilever structures.

Installation

Tighten the clamping bolt of the Beam Clamp first by hand, then tighten down with a spanner according to the mounting structures. The hardened point of the clamping bolt will penetrate the comparatively soft material of the beam, ensuring a solid and highly secure connection. Tighten the locking nut for securing the installation.

Note: Respect relevant mounting instructions! For FM-construction use thread ≥ M10 only!

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	cast steel
Connecting element material	steel
Surface finish	electro galvanized (Fe//Zn)
Corrosion protection class	C2

Forces

Type	-V{X,perm.}	V{X,perm.}	V{Y,perm.}	-V{Z,perm.}
TCS 0 M 8/M 8				3.50 kN
TCS 0 M 8/M10				3.50 kN
TCS 2 M12/M12	5.37 kN	5.37 kN	4.51 kN	8.50 kN
TCS 2 M12/M16	5.37 kN	5.37 kN	4.51 kN	8.50 kN

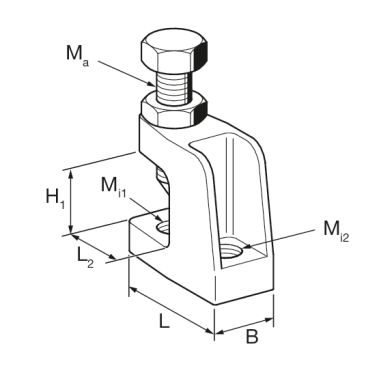
Note on loadings

The nominal loads indicated apply to new Beam Clamps fixed to undamaged beam flanges only.

Types

Type	Max. flange thickness	Thread connection	Weight	Quantity	Part number
TCS 0 M 8/M 8	22.00 mm	M8/M8	0.143 kg/pcs.	50 pcs.	178283
TCS 0 M 8/M10	22.00 mm	M8/M10	0.14 kg/pcs.	50 pcs.	174206
TCS 2 M12/M12	26.00 mm	M12/M12	0.292 kg/pcs.	25 pcs.	174224
TCS 2 M12/M16	26.00 mm	M12/M16	0.277 kg/pcs.	25 pcs.	174215

Beam Clamp TCS 0/2



Dimensions

Type	B	L	L2	H1	Ma	Mi1	Mi2
TCS 0 M 8/M 8	17 mm	45 mm	27 mm	24 mm	M10	M8	M8
TCS 0 M 8/M10	17 mm	45 mm	27 mm	24 mm	M10	M8	M10
TCS 2 M12/M12	25 mm	58 mm	29 mm	27.3 mm	M12	M12	M12
TCS 2 M12/M16	25 mm	58 mm	29 mm	27.3 mm	M12	M12	M16

Certification

TCS 0 M8/M8 and TCS 2 M12/M16: Approved and accepted by VdS for use with stationary fire extinguishing systems.

TCS 0 M8/M10 and TCS 2 M12/M12: Approved and accepted by VdS and FM for use with stationary fire extinguishing systems.

For different application fields see documents.

Documents

FM Approval - Sikla Beam Clamps TCS