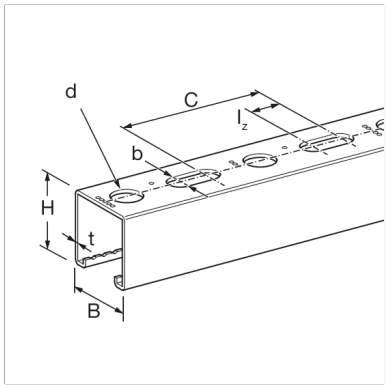
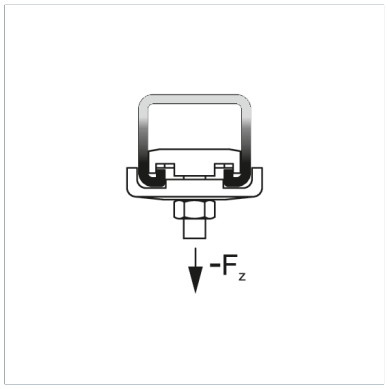
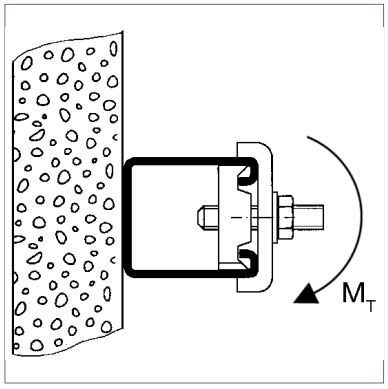
Channel MS 27









General Information

Element for easily and efficiently pre-assembling crossbars, wall brackets and support structures on site or in workshops. All products within the Pressix CC 27 range are compatible with Channel MS 27.

Installation

Fixation of the channel easily could be achieved using Nail Anchor PN and Screwbolt TSM-LPS.

Mechanical Properties

Permissible yield strength f{y,perm.}	290.00 N/mm²
Permissible stress σ{perm.}	188.00 N/mm²

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Surface finish	pre-galavanised
Corrosion protection class	C2

Moments

Type	M{X,perm.}
MS 27/15/1,25 2M	0.01 kNm
MS 27/15/1,25 3M	0.01 kNm
MS 27/15/1,25 6M	0.01 kNm
MS 27/25/1,25 2M	0.01 kNm
MS 27/25/1,25 3M	0.01 kNm
MS 27/25/1,25 6M	0.01 kNm
MS 27/37/1,25 2M	0.01 kNm
MS 27/37/1,25 6M	0.01 kNm

Cross-section values 1

Type	Elastic modulus Wy	Elastic modulus Wz	Second moment of area Iy	Second moment of area Iz	Radius of gyration iy	Radius of gyration iz
MS 27/15/1,25 2M	0.25 cm³	0.64 cm³	0.20 cm^4	0.86 cm^4	0.54 cm	1.13 cm

Type	Elastic modulus Wy	Elastic modulus Wz	Second moment of area Iy	Second moment of area Iz	Radius of gyration iy	Radius of gyration iz
MS 27/15/1,25 3M	0.25 cm³	0.64 cm³	0.20 cm^4	0.86 cm^4	0.54 cm	1.13 cm
MS 27/15/1,25 6M	0.25 cm³	0.64 cm³	0.20 cm^4	0.86 cm^4	0.54 cm	1.13 cm
MS 27/25/1,25 2M	0.55 cm³	0.95 cm³	0.72 cm^4	1.28 cm^4	0.89 cm	1.18 cm
MS 27/25/1,25 3M	0.55 cm³	0.95 cm³	0.72 cm^4	1.28 cm^4	0.89 cm	1.18 cm
MS 27/25/1,25 6M	0.55 cm³	0.95 cm³	0.72 cm^4	1.28 cm^4	0.89 cm	1.18 cm
MS 27/37/1,25 2M	1.03 cm³	1.31 cm³	1.97 cm^4	1.78 cm^4	1.27 cm	1.21 cm
MS 27/37/1,25 6M	1.03 cm³	1.31 cm³	1.97 cm^4	1.78 cm^4	1.27 cm	1.21 cm

Cross-section values 2

Type	Cross-sectional area A
MS 27/15/1,25 2M	0.67 cm²
MS 27/15/1,25 3M	0.67 cm²
MS 27/15/1,25 6M	0.67 cm²
MS 27/25/1,25 2M	0.92 cm²
MS 27/25/1,25 3M	0.92 cm²
MS 27/25/1,25 6M	0.92 cm²
MS 27/37/1,25 2M	1.22 cm²
MS 27/37/1,25 6M	1.22 cm²

Note on loadings

Note: All values refer to slotted channels.

Types

Type	L	Weight	Quantity	Part number
MS 27/15/1,25 2M	2000 mm	0.600 kg/m	2 m	110856
MS 27/15/1,25 3M	3000 mm	0.590 kg/m	3 m	112885
MS 27/15/1,25 6M	6000 mm	0.590 kg/m	6 m	111725

Type	L	Weight	Quantity	Part number
MS 27/25/1,25 2M	2000 mm	0.786 kg/m	2 m	110857
MS 27/25/1,25 3M	3000 mm	0.590 kg/m	3 m	112886
MS 27/25/1,25 6M	6000 mm	0.786 kg/m	6 m	110858
MS 27/37/1,25 2M	2000 mm	0.886 kg/m	2 m	110569
MS 27/37/1,25 6M	6000 mm	0.886 kg/m	6 m	110570

Dimensions

Type	B	b	C	d	H	lz	t
MS 27/15/1,25 2M	27 mm	8.5 mm	50 mm	10.5 mm	15 mm	10 mm	1.25 mm
MS 27/15/1,25 3M	27 mm	8.5 mm	50 mm	10.5 mm	15 mm	10 mm	1.25 mm
MS 27/15/1,25 6M	27 mm	8.5 mm	50 mm	10.5 mm	15 mm	10 mm	1.25 mm
MS 27/25/1,25 2M	27 mm	8.5 mm	50 mm	10.5 mm	25 mm	10 mm	1.25 mm
MS 27/25/1,25 3M	27 mm	8.5 mm	50 mm	10.5 mm	25 mm	10 mm	1.25 mm
MS 27/25/1,25 6M	27 mm	8.5 mm	50 mm	10.5 mm	25 mm	10 mm	1.25 mm
MS 27/37/1,25 2M	27 mm	8.5 mm	50 mm	10.5 mm	37 mm	10 mm	1.25 mm
MS 27/37/1,25 6M	27 mm	8.5 mm	50 mm	10.5 mm	37 mm	10 mm	1.25 mm

Certification

This product has been awarded the RAL quality mark "Pipe Supports" and is subject to continuous external monitoring according to RAL GZ-655.

Documents

Channel MS 27/15, 27/25 and 27/37 - Centrical load

Channel MS - Centrical load overview

Channel MS - Two point load overview

Channel MS - Three point load overview

Channel MS - Distributed load overview

Channel MS - Slot pattern and measurements