Channel MS 41









General Information

Element for easily and efficiently pre-assembling crossbars, wall brackets and supporting structures on construction sites or in workshops.

Installation

If required, channels can be joined on site using:

Slot pattern II: Hexagon socket bolt M8 x 16, with a max. spacing of 250 mm between connecting points one point at each end.

Slot pattern III and IV: Clamping Unit KL (for details see product.

All Channels MS 41 are serrated on the inner edges and thus can be combined with many other Sikla products, e.g. Channel Nut, End Support WBD, Beam Clamp TCS 1. Particularly effective combinations are possible using other Pressix components. All types can be used as guide and support channels by inserting Slide Block 41 inside the channel.

Mechanical Properties

Permissible yield strength f{y,perm.}	285.00 N/mm²
Permissible stress σ{perm.}	185.00 N/mm²

Material Properties

Halogen-free	0
UV-resistant	0

Material

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

Forces

Type	V{Z,perm.}
MS 41/21/2,0 6M	4.00 kN
MS 41/41/2,0 6M	4.00 kN

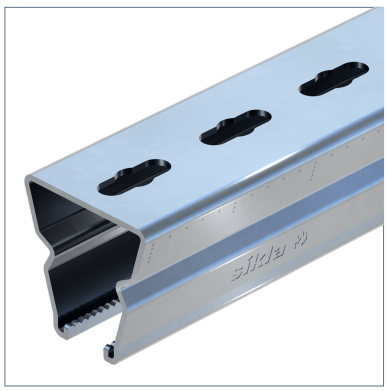
Moments

Type	M{X,perm.}
MS 41/21/2,0 6M	0.04 kNm
MS 41/41/2,0 6M	0.04 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 41/21/2,0 6M	0.82 cm³	2.11 cm³	0.92 cm^4	4.32 cm^4	0.75 cm	1.64 cm
MS 41/41/2,0 6M	2.50 cm³	3.65 cm³	5.21 cm^4	7.48 cm^4	1.44 cm	1.73 cm

Cross-section values 2

Type	Torsional constant It	Cross-sectional area A
MS 41/21/2,0 6M	0.01 cm^4	1.60 cm²
MS 41/41/2,0 6M	0.03 cm^4	2.48 cm²

Note on loadings

Note: All values refer to slotted channels.

Additional information

For further technical data, please refer to the pages in the download area.

Types

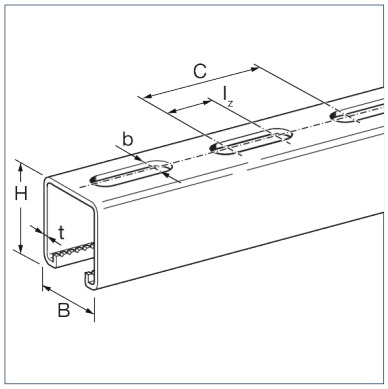
Type	L	Weight	Quantity	Part number
MS 41/21/2,0 6M	6000 mm	1.434 kg/m	6 m	193709
MS 41/41/2,0 6M	6000 mm	2.118 kg/m	6 m	193747

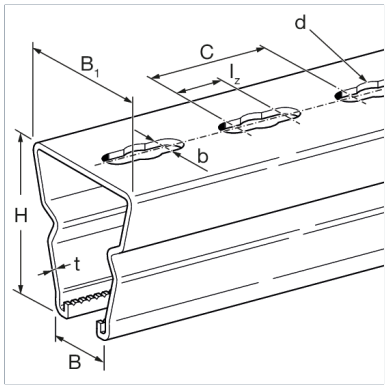
Dimensions

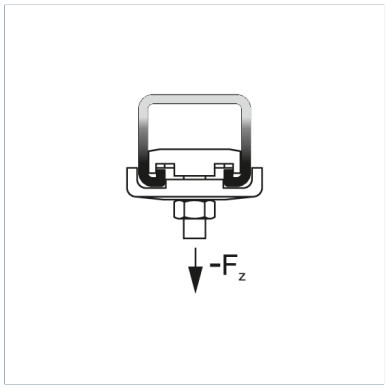
Type	b	B	C	H	Iz	t
MS 41/21/2,0 6M	13 mm	41 mm	62.5 mm	21 mm	27 mm	2 mm
MS 41/41/2,0 6M	13 mm	41 mm	62.5 mm	41 mm	27 mm	2 mm

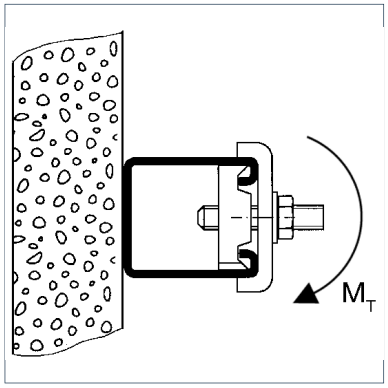
Certification

This product has been awarded the RAL quality mark "Pipe Supports" and is subject to continuous external monitoring according to RAL GZ-655.
The types 41/41/1.5 do not have the RAL quality label.









Documents

Channel MS 41 – RAL-GZ 655

Channel MS 41 Technical Data

Channel MS 41-75/65/3,0 - 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

Channel MS 41-75/75/3,0 - Centrical load

Channel MS 41/21/1,5 - Centrical load

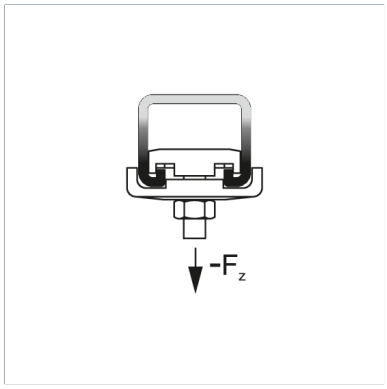
Channel MS 41/21/2,0 - Centrical load

Channel MS 41/31/2,0 - Centrical load

Channel MS 41/41/2,0 - Centrical load

Channel MS 41/41/2,5 - Centrical load

Channel MS 41/45/2,5 - Centrical load



Channel MS 41/52/2,5 - Centrical load

Channel MS 41/62/2,5 - Centrical load

