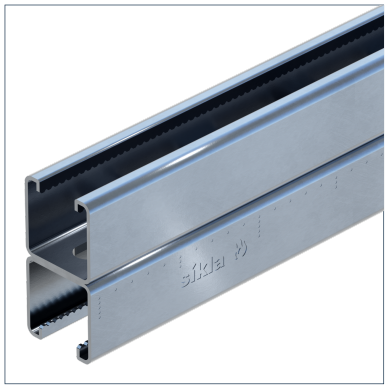
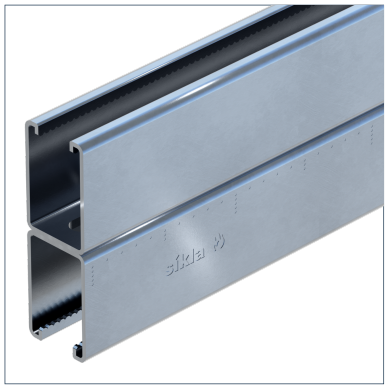
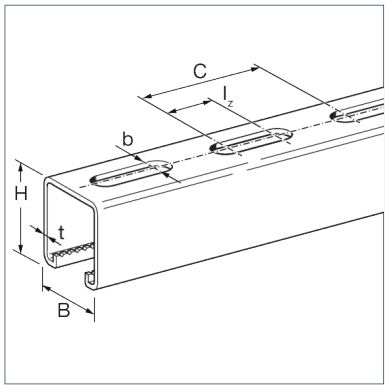
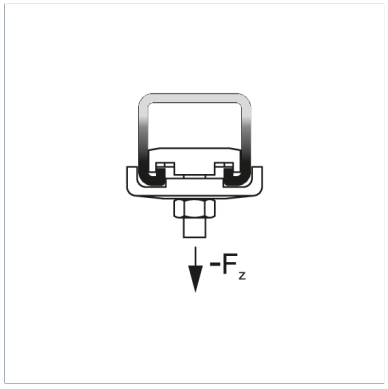
Channel MS 41 D A4









General Information

The Channel MS 41 D A4 is ideal for creating crossbars when medium loads are involved. Its double rail design allows components to be attached on both sides. The stainless steel Channel 41 rails are suitable as guide and support rails for the 41 VA sliding block. In addition, all CC components in stainless steel can be used with this Channel.

Installation

All channels of the 41 series are serrated inside and provide numerous combination options with other stainless steel system components.

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	Stainless Steel A4
Corrosion protection class	CRC II – III (C4 – C5 acc. to DIN EN ISO 12944-2)

Forces

Type	V{Z,perm.}
MS 41/41/2,0 D 6M A4	4,00 kN
MS 41/62/2,5 D 6M A4	6,00 kN

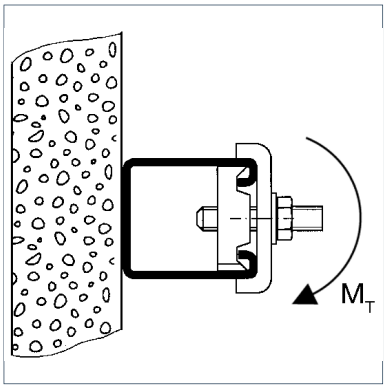
Moments

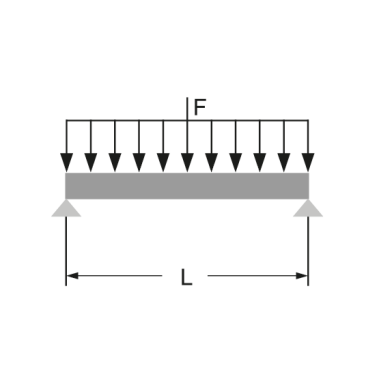
Type	M{X,perm.}
MS 41/41/2,0 D 6M A4	0,04 kNm
MS 41/62/2,5 D 6M A4	0,04 kNm

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 41/41/2,0 D 6M A4	7,49 cm³	7,30 cm³	30,73 cm^4	14,97 cm^4	2,48 cm	1,73 cm

Channel MS 41 D A4





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 41/62/2,5 D 6M A4	18,16 cm³	12,59 cm³	112,63 cm^4	25,82 cm^4	3,71 cm	1,77 cm

Cross-section values 2

Type	Torsional constant It	Cross-sectional area A
MS 41/41/2,0 D 6M A4	0,05 cm^4	4,96 cm²
MS 41/62/2,5 D 6M A4	0,14 cm^4	8,16 cm²

Note on loadings

Note: All values refer to slotted channels.

Types

Type	L	Weight	Quantity	Part number
MS 41/41/2,0 D 6M A4	6.000 mm	3,940 kg/m	6 m	195819
MS 41/62/2,5 D 6M A4	6.000 mm	6,580 kg/m	6 m	174143

Dimensions

Type	B	b	C	H	Iz	t
MS 41/41/2,0 D 6M A4	41 mm	13 mm	62,5 mm	82 mm	27 mm	2 mm
MS 41/62/2,5 D 6M A4	41 mm	13 mm	62,5 mm	124 mm	27 mm	2,5 mm

Certification