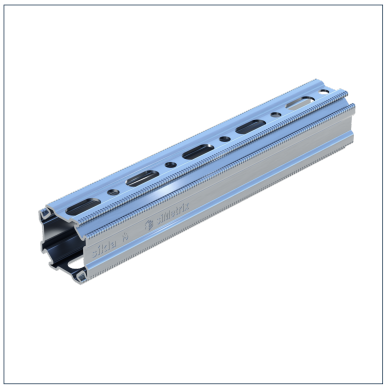
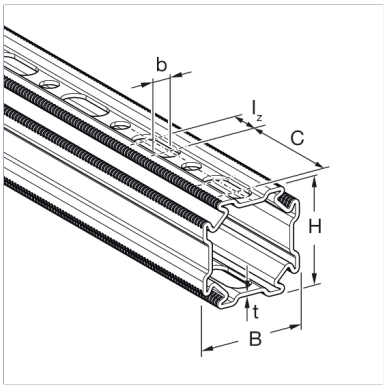
Profile PRO 46 P HCP





General Information

Multifunctional profile for creating simple and complex 3D substructures for a wide range of applications. The closed shape not only provides high torsional rigidity but also allows connectivity on all four sides without restrictions. Available in perforated and unperforated profiles.

Mechanical Properties

Permissible yield strength f{y,perm.}	280.00 N/mm²
Permissible stress σ{perm.}	180.00 N/mm²

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Surface finish	HCP
Corrosion protection class	C4

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
PRO 46-P 2M HCP	3.46 cm³	4.11 cm³	7.96 cm^4	9.45 cm^4	1.55 cm	1.68 cm
PRO 46-P 6M HCP	3.46 cm³	4.11 cm³	7.96 cm^4	9.45 cm^4	1.55 cm	1.68 cm

Cross-section values 2

Type	Torsional constant It	Cross-sectional area A
PRO 46-P 2M HCP	8.08 cm^4	3.33 cm²
PRO 46-P 6M HCP	8.08 cm^4	3.33 cm²

Note on loadings

Note: All values refer to slotted channels.

Types

Type	Weight	Quantity	Part number
PRO 46-P 2M HCP	2.800 kg/m	2 m	802153

Profile PRO 46 P HCP

Type	Weight	Quantity	Part number
PRO 46-P 6M HCP	2.800 kg/m	6 m	802152

Dimensions

Type	B	b	C	H	Iz	t
PRO 46-P 2M HCP	46 mm	11 mm	50.5 mm	46 mm	15 mm	1.8 mm
PRO 46-P 6M HCP	46 mm	11 mm	50.5 mm	46 mm	15 mm	1.8 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

Static Guideline - siMetrix

DoP (EN) - PRO 46