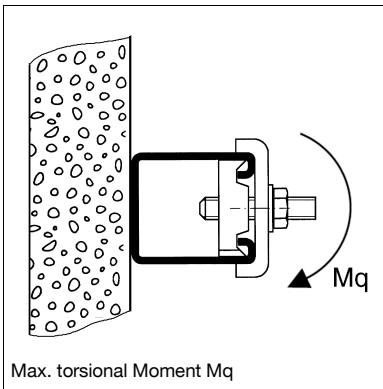
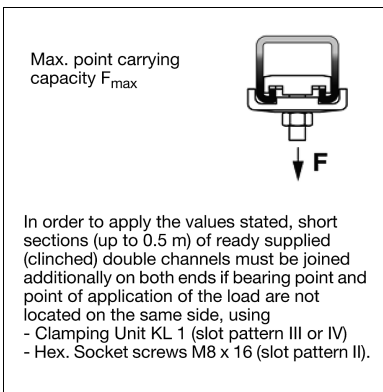


Channel MS 41 - Technical Data

Group: 1111

Type W/H/Th [mm]	Section modulus [cm ³]	Moment of inertia [cm ⁴]	Radius of gyration [cm]
41/21/1,5	W _y : 0.70 W _z : 1.71	I _y : 0.78 I _z : 3.50	i _y : 0.78 i _z : 1.65
41/21/2,0	W _y : 0.82 W _z : 2.11	I _y : 0.92 I _z : 4.32	i _y : 0.75 i _z : 1.64
41/31/2.0	W _y : 1.61 W _z : 2.90	I _y : 2.55 I _z : 5.96	i _y : 1.10 i _z : 1.69
41/41/2.0	W _y : 2.50 W _z : 3.65	I _y : 5.21 I _z : 7.48	i _y : 1.44 i _z : 1.73
41/41/2.5	W _y : 2.94 W _z : 4.39	I _y : 6.17 I _z : 9.01	i _y : 1.44 i _z : 1.73
41/45/2.5	W _y : 3.42 W _z : 4.76	I _y : 7.85 I _z : 9.75	i _y : 1.55 i _z : 1.73
41/52/2.5	W _y : 4.32 W _z : 5.39	I _y : 11.43 I _z : 11.05	i _y : 1.78 i _z : 1.75
41/62/2.5	W _y : 5.75 W _z : 6.29	I _y : 18.08 I _z : 12.91	i _y : 2.10 i _z : 1.77
41-75/65/3.0	W _y : 8.13 W _z : 10.27	I _y : 30.67 I _z : 38.51	i _y : 2.25 i _z : 2.52
41-75/75/3.0	W _y : 10.29 W _z : 11.41	I _y : 44.30 I _z : 42.80	i _y : 2.53 i _z : 2.48
41/21/2.0 D	W _y : 2.35 W _z : 4.22	I _y : 4.94 I _z : 8.65	i _y : 1.24 i _z : 1.64
41/41/2.0 D	W _y : 7.49 W _z : 7.30	I _y : 30.73 I _z : 14.97	i _y : 2.48 i _z : 1.73
41/41/2.5 D	W _y : 8.96 W _z : 8.79	I _y : 36.73 I _z : 18.03	i _y : 2.46 i _z : 1.72
41/45/2.5 D	W _y : 10.48 W _z : 9.52	I _y : 47.18 I _z : 19.51	i _y : 2.70 i _z : 1.73
41/52/2.5 D	W _y : 13.41 W _z : 10.78	I _y : 69.75 I _z : 22.11	i _y : 3.11 i _z : 1.75
41/62/2.5 D	W _y : 18.16 W _z : 12.59	I _y : 112.63 I _z : 25.82	i _y : 3.71 i _z : 1.77
41-75/65/3.0 D	W _y : 23.24 W _z : 20.54	I _y : 151.10 I _z : 77.02	i _y : 3.53 i _z : 2.52
41-75/75/3.0 D	W _y : 30.66 W _z : 22.83	I _y : 230.02 I _z : 85.60	i _y : 4.07 i _z : 2.48



Type	Cross section	Distance	Max. point carrying moment F_{\max} (tension) [kN]	Max. torsional moment M_q [Nm]
W/H/Th [mm]	A [cm ²]	e [cm]		
41/21/1.5	1.27	1.11	2.0	44.5
41/21/2.0	1.60	1.11	4.0	44.5
41/31/2.0	2.08	1.58	4.0	44.5
41/41/2.0	2.48	2.07	4.0	44.5
41/41/2.5	3.03	2.09	6.0	44.5
41/45/2.5	3.23	2.29	6.0	44.5
41/52/2.5	3.58	2.64	6.0	44.5
41/62/2.5	4.08	3.14	6.0	44.5
41-75/65/3.0	6.03	3.77	10.0	44.5
41-75/75/3.0	6.92	4.30	10.0	44.5
41/21/2.0 D	3.20	2.10	4.0*	44.5
41/41/2.0 D	4.96	4.10	4.0*	44.5
41/41/2.5 D	6.06	4.10	6.0*	44.5
41/45/2.5 D	6.46	4.50	6.0*	44.5
41/52/2.5 D	7.16	5.20	6.0*	44.5
41/62/2.5 D	8.16	6.20	6.0*	44.5
41-75/65/3.0 D	12.06	6.50	10.0*	44,5
41-75/75/3.0 D	13.84	7.50	10.0*	44,5

D = Double channel

- * Double channels with max. length up to 0,5 m should be connected at both ends, if bearing and point of load incidence are not on the same side:
 Slot pattern 2: with Hexagon socket screw M8 x 16
 Slot pattern 3 or 4: by means of Clamping Unit KL 1.

All values in both tables refer to slotted channels.