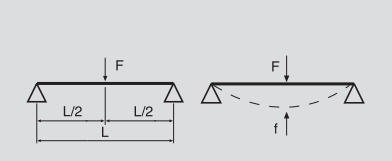


Technical data for channel profile MM (max. span width /deflection at single load)

	Max. span width L [cm] / deflection f [mm], max. L/200 at single load							
	MM-C-16		MM-C-30		MM-C-36		MM-C-45	
	L	f	L	f	L	f	L	f
load F [kN]								
0,25	70	3.5	150	7.5	238	11.9	307	15.3
0,50	40	1.3	106	5.1	172	8.6	226	11.3
0,75	27	0.6	71	2.3	141	7.1	186	9.3
1,00	20	0.3	53	1.3	116	5.2	162	8.1
1,25	16	0.2	42	0.8	93	3.4	133	5.6
1,50	13	0.1	35	0.6	78	2.3	111	3.9
1,75	11	0.1	30	0.4	67	1.7	95	2.9
2,00	10	0.1	27	0.3	59	1.3	84	2.2
2,25	9	0.1	24	0.3	52	1.0	74	1.7
2,50	8	0.1	21	0.2	47	0.8	67	1.4
2,75	7	0.0	19	0.2	43	0.7	61	1.2
3,00	7	0.0	18	0.1	39	0.6	56	1.0
3,50	6	0.0	15	0.1	33	0.4	48	0.7
4,00	5	0.0	13	0.1	29	0.3	42	0.6
4,50	4	0.0	12	0.1	26	0.3	37	0.4
5,00	4	0.0	11	0.1	23	0.2	34	0.4

Selection example:

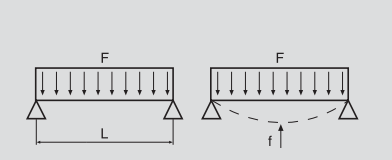
- 1,0 kN (≈ 100 kg) should be carried by a channel with a channel span width L = 100cm (single span simply supported).

Solution:

- Select the line with the load, F = 1,0 kN.
- The channels MM-C-36 to MM-C-45 can be used because the permissible span width (table value) is larger or equal to the required span width of L = 100cm.

Load tables are based on stress and deflection calculations, lateral torsional buckling is not considered.

Technical data for channel profile MM (max. span width /deflection at uniform distributed load)

	Max. span width L [cm] / deflection f [mm], max. L/200 at uniform distributed load							
	MM-C-16		MM-C-30		MM-C-36		MM-C-45	
	L	f	L	f	L	f	L	f
load F [kN]								
0,25	88	4.4	188	9.4	291	14.5	369	18.4
0,50	62	3.1	135	6.7	215	10.7	279	13.9
0,75	51	2.5	111	5.5	178	8.9	233	11.6
1,00	40	1.6	96	4.8	155	7.7	203	10.2
1,25	32	1.0	85	4.1	139	6.9	183	9.1
1,50	27	0.7	71	2.9	127	6.3	167	8.4
1,75	23	0.5	61	2.1	117	5.9	155	7.8
2,00	20	0.4	53	1.6	110	5.5	145	7.3
2,25	18	0.3	47	1.3	104	5.2	137	6.9
2,50	16	0.3	42	1.0	93	4.2	130	6.5
2,75	14	0.2	39	0.9	85	3.5	121	5.8
3,00	13	0.2	35	0.7	78	2.9	111	4.9
3,50	11	0.1	30	0.5	67	2.2	95	3.6
4,00	10	0.1	27	0.4	59	1.6	84	2.7
4,50	9	0.1	24	0.3	52	1.3	74	2.2
5,00	8	0.1	21	0.3	47	1.1	67	1.8

Load tables are based on stress and deflection calculations, lateral torsional buckling is not considered.