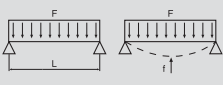
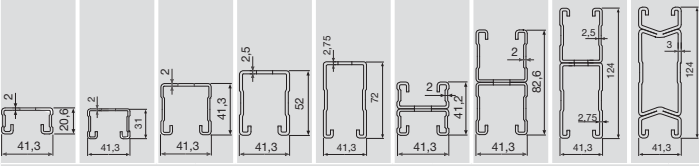


Technical data for channel profile MQ (max. load/deflection at uniform distributed load)

																		
	Max. load F [kN] / deflection f [mm], max. L/200 at uniform distributed load																	
	MQ-21-F MQ-21- HDG plus	MQ-31- HDG plus	MQ-41-F MQ-41- HDG plus	MQ-52-F MQ-52- HDG plus	MQ-72-F	MQ-21D-F MQ-21D- HDG plus	MQ-41D-F MQ-41D- HDG plus	MQ-52-72D-F	MQ-124XD-F									
Span width L [cm]	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f
25	5.56	0.5	10.71	0.4	16.76	0.3	28.15	0.2	51.18	0.2	15.36	0.3	42.96	0.1	95.63	0.1	82.38	0.0
50	2.78	2.1	5.35	1.5	8.37	1.1	14.06	0.9	25.58	0.6	7.67	1.1	23.58	0.6	58.49	0.4	79.93	0.3
75	1.44	3.8	3.56	3.3	5.57	2.5	9.36	2.0	17.03	1.4	5.10	2.5	15.70	1.3	38.96	0.8	53.24	0.7
100	0.80	5.0	2.29	5.0	4.17	4.4	7.01	3.5	12.76	2.6	3.81	4.5	11.76	2.3	29.19	1.5	39.89	1.3
125	0.50	6.3	1.46	6.3	3.01	6.3	5.59	5.5	10.19	4.0	2.68	6.3	9.39	3.5	23.32	2.3	31.87	2.0
150	0.34	7.5	1.00	7.5	2.08	7.5	4.41	7.5	8.47	5.8	1.84	7.5	7.80	5.1	19.40	3.4	26.51	2.9
175	0.24	8.8	0.72	8.8	1.51	8.8	3.22	8.8	7.24	7.8	1.33	8.8	6.67	6.9	16.59	4.6	22.67	4.0
200	0.17	10.0	0.54	10.0	1.14	10.0	2.44	10.0	6.16	10.0	1.00	10.0	5.81	9.0	14.49	6.0	19.79	5.2
225	0.13	11.3	0.42	11.3	0.89	11.3	1.91	11.3	4.84	11.3	0.77	11.3	5.06	11.3	12.84	7.6	17.55	6.6
250	0.09	12.5	0.33	12.5	0.71	12.5	1.53	12.5	3.89	12.5	0.60	12.5	4.07	12.5	11.52	9.4	15.74	8.1
275	0.07	13.8	0.26	13.8	0.57	13.8	1.24	13.8	3.19	13.8	0.48	13.8	3.33	13.8	10.44	11.3	14.26	9.8
300	0.05	15.0	0.20	15.0	0.46	15.0	1.02	15.0	2.65	15.0	0.38	15.0	2.77	15.0	9.54	13.5	13.03	11.7
325	0.03	16.3	0.16	16.3	0.38	16.3	0.85	16.3	2.23	16.3	0.30	16.3	2.33	16.3	8.77	15.8	11.98	13.7
350	0.01	17.5	0.13	17.5	0.31	17.5	0.71	17.5	1.89	17.5	0.24	17.5	1.98	17.5	7.72	17.5	11.07	15.9
375	-	-	0.10	18.8	0.26	18.8	0.60	18.8	1.62	18.8	0.19	18.8	1.69	18.8	6.67	18.8	10.29	18.3
400	-	-	0.07	20.0	0.21	20.0	0.51	20.0	1.39	20.0	0.15	20.0	1.46	20.0	5.81	20.0	9.22	20.0
425	-	-	0.05	21.3	0.17	21.3	0.43	21.3	1.21	21.3	0.11	21.3	1.26	21.3	5.10	21.3	8.09	21.3
450	-	-	0.03	22.5	0.14	22.5	0.36	22.5	1.05	22.5	0.08	22.5	1.10	22.5	4.49	22.5	7.15	22.5
475	-	-	0.02	23.8	0.11	23.8	0.30	23.8	0.91	23.8	0.05	23.8	0.95	23.8	3.98	23.8	6.34	23.8
500	-	-	-	-	0.08	25.0	0.25	25.0	0.79	25.0	0.02	25.0	0.83	25.0	3.54	25.0	5.65	25.0

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