

**Technical data** for channel profiles MQ (max. load/deflection at single load)

span width L [cm]	Max. load F [kN] / deflection f [mm], max. L/200 at single load																					
	New MQ-21.5		MQ-41-L		New MQ-41		MQ-41/3 MQ-41/3LL		MQ-52		MQ-72		MQ-21D		MQ-41D		MQ-41D-L		MQ-52-72D		MQ-124XD	
	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f
25	2.62	0.4	6.31	0.2	8.05	0.2	10.50	0.2	13.72	0.2	24.95	0.1	7.68	0.2	23.60	0.1	18.65	0.1	58.52	0.1	79.97	0.1
50	1.31	1.8	3.15	0.9	4.02	0.9	5.25	0.8	6.85	0.7	12.47	0.5	3.84	0.9	11.79	0.5	9.32	0.5	29.25	0.3	39.97	0.3
75	0.82	3.7	2.10	2.0	2.68	2.0	3.49	1.9	4.56	1.5	8.30	1.1	2.55	2.0	7.85	1.0	6.20	1.0	19.48	0.7	26.62	0.6
100	0.45	5.0	1.57	3.5	2.00	3.5	2.61	3.4	3.42	2.7	6.22	2.0	1.91	3.6	5.88	1.8	4.65	1.8	14.60	1.2	19.95	1.0
125	0.29	6.2	1.25	5.5	1.60	5.4	2.08	5.3	2.73	4.3	4.96	3.1	1.52	5.7	4.69	2.8	3.71	2.8	11.66	1.9	15.93	1.6
150	0.19	7.5	0.99	7.5	1.27	7.5	1.69	7.5	2.27	6.2	4.13	4.5	1.15	7.5	3.90	4.1	3.08	4.1	9.70	2.7	13.26	2.3
175	0.14	8.7	0.72	8.7	0.92	8.7	1.23	8.7	1.93	8.4	3.53	6.1	0.83	8.7	3.34	5.6	2.64	5.6	8.30	3.7	11.34	3.2
200	0.10	9.9	0.54	10.0	0.70	10.0	0.93	10.0	1.52	10.0	3.08	8.0	0.62	9.9	2.91	7.3	2.30	7.3	7.24	4.8	9.90	4.2
225	0.07	11.0	0.42	11.2	0.54	11.2	0.72	11.2	1.19	11.2	2.73	10.2	0.48	11.2	2.58	9.2	2.04	9.2	6.42	6.1	8.78	5.3
250	0.05	12.2	0.33	12.4	0.43	12.4	0.57	12.4	0.95	12.4	2.43	12.5	0.37	12.4	2.31	11.4	1.82	11.4	5.76	7.5	7.88	6.5
275	0.04	13.3	0.27	13.6	0.34	13.6	0.46	13.6	0.77	13.7	1.99	13.7	0.30	13.5	2.08	13.7	1.64	13.7	5.22	9.1	7.14	7.9
300	0.03	14.4	0.22	14.8	0.28	14.8	0.37	14.8	0.63	14.9	1.65	14.9	0.23	14.7	1.73	14.9	1.37	14.9	4.77	10.8	6.52	9.4
325	0.02	15.4	0.18	16.0	0.23	16.0	0.30	16.0	0.53	16.1	1.39	16.2	0.19	15.9	1.45	16.2	1.15	16.2	4.39	12.7	5.99	11.0
350	0.01	16.3	0.15	17.2	0.19	17.2	0.25	17.1	0.44	17.3	1.18	17.4	0.15	17.0	1.23	17.4	0.97	17.4	4.06	14.8	5.54	12.8
375			0.12	18.3	0.15	18.3	0.20	18.3	0.37	18.4	1.00	18.6	0.11	18.0	1.05	18.6	0.83	18.6	3.77	17.0	5.15	14.7
400			0.10	19.4	0.12	19.4	0.16	19.4	0.31	19.6	0.86	19.8	0.09	19.1	0.90	19.8	0.72	19.8	3.52	19.4	4.80	16.8
425			0.08	20.5	0.10	20.5	0.13	20.5	0.26	20.8	0.74	21.0	0.06	20.1	0.78	21.0	0.62	21.0	3.17	21.1	4.50	19.0
450			0.06	21.6	0.08	21.5	0.10	21.5	0.22	21.9	0.64	22.2	0.04	21.0	0.68	22.2	0.54	22.2	2.79	22.3	4.22	21.3
475			0.05	22.6	0.06	22.6	0.08	22.5	0.18	23.0	0.56	23.3	0.02	21.9	0.59	23.3	0.47	23.3	2.47	23.6	3.94	23.6
500			0.04	23.6	0.04	23.5	0.05	23.5	0.15	24.1	0.48	24.5	0.01	22.8	0.51	24.5	0.41	24.5	2.20	24.8	3.51	24.8

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

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

span width L [cm]	Max. load F [kN] / deflection f [mm], max. L/200 at uniform distributed load																					
	New MQ-21.5		MQ-41-L		New MQ-41		MQ-41/3 MQ-41/3LL		MQ-52		MQ-72		MQ-21D		MQ-41D		MQ-41D-L		MQ-52-72D		MQ-124XD	
	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f	F	f
25	5.24	0.6	12.61	0.3	16.10	0.3	21.01	0.3	27.44	0.2	49.89	0.2	15.36	0.3	42.96	0.1	32.25	0.1	95.63	0.1	82.38	0.0
50	2.62	2.2	6.30	1.1	8.04	1.1	10.49	1.1	13.71	0.9	24.93	0.6	7.67	1.1	23.58	0.6	18.63	0.6	58.49	0.4	79.93	0.3
75	1.31	3.8	4.19	2.5	5.35	2.4	6.98	2.4	9.13	1.9	16.60	1.4	5.10	2.5	15.70	1.3	12.41	1.3	38.96	0.8	53.25	0.7
100	0.73	5.0	3.14	4.4	4.00	4.3	5.22	4.2	6.83	3.4	12.44	2.5	3.81	4.5	11.76	2.3	9.29	2.3	29.19	1.5	39.89	1.3
125	0.46	6.3	2.29	6.3	2.94	6.3	3.94	6.3	5.45	5.4	9.93	3.9	2.68	6.3	9.39	3.5	7.42	3.5	23.32	2.3	31.87	2.0
150	0.31	7.5	1.58	7.5	2.03	7.5	2.71	7.5	4.41	7.5	8.26	5.6	1.84	7.5	7.80	5.1	6.17	5.1	19.40	3.4	26.51	2.9
175	0.22	8.8	1.15	8.8	1.48	8.8	1.98	8.8	3.22	8.8	7.06	7.6	1.33	8.8	6.67	6.9	5.27	6.9	16.60	4.6	22.68	4.0
200	0.16	10.0	0.87	10.0	1.12	10.0	1.49	10.0	2.44	10.0	6.16	10.0	1.00	10.0	5.82	9.0	4.60	9.0	14.49	6.0	19.80	5.2
225	0.12	11.3	0.68	11.3	0.87	11.3	1.16	11.3	1.91	11.3	4.84	11.3	0.77	11.3	5.06	11.3	4.00	11.3	12.85	7.6	17.55	6.6
250	0.09	12.5	0.54	12.5	0.69	12.5	0.92	12.5	1.53	12.5	3.90	12.5	0.61	12.5	4.07	12.5	3.22	12.5	11.53	9.4	15.75	8.1
275	0.07	13.8	0.43	13.8	0.56	13.8	0.74	13.8	1.24	13.8	3.19	13.8	0.48	13.8	3.34	13.8	2.64	13.8	10.45	11.3	14.27	9.8
300	0.05	15.0	0.35	15.0	0.45	15.0	0.60	15.0	1.02	15.0	2.65	15.0	0.38	15.0	2.77	15.0	2.19	15.0	9.54	13.5	13.03	11.7
325	0.03	16.3	0.29	16.3	0.37	16.3	0.49	16.3	0.85	16.3	2.23	16.3	0.31	16.3	2.33	16.3	1.85	16.3	8.77	15.8	11.98	13.7
350	0.02	17.5	0.24	17.5	0.31	17.5	0.40	17.5	0.71	17.5	1.90	17.5	0.24	17.5	1.98	17.5	1.57	17.5	7.72	17.5	11.08	15.9
375	0.01	18.8	0.20	18.8	0.25	18.8	0.33	18.8	0.60	18.8	1.62	18.8	0.19	18.8	1.70	18.8	1.35	18.8	6.68	18.8	10.30	18.3
400			0.16	20.0	0.21	20.0	0.27	20.0	0.51	20.0	1.40	20.0	0.15	20.0	1.46	20.0	1.16	20.0	5.82	20.0	9.23	20.0
425			0.13	21.3	0.17	21.3	0.22	21.3	0.43	21.3	1.21	21.3	0.11	21.3	1.27	21.3	1.01	21.3	5.10	21.3	8.10	21.3
450			0.11	22.5	0.14	22.5	0.18	22.5	0.36	22.5	1.05	22.5	0.08	22.5	1.10	22.5	0.87	22.5	4.50	22.5	7.16	22.5
475			0.08	23.8	0.11	23.8	0.14	23.8	0.30	23.8	0.91	23.8	0.05	23.8	0.96	23.8	0.76	23.8	3.99	23.8	6.35	23.8
500			0.06	25.0	0.08	25.0	0.10	25.0	0.25	25.0	0.79	25.0	0.02	25.0	0.83	25.0	0.66	25.0	3.55	25.0	5.67	25.0

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