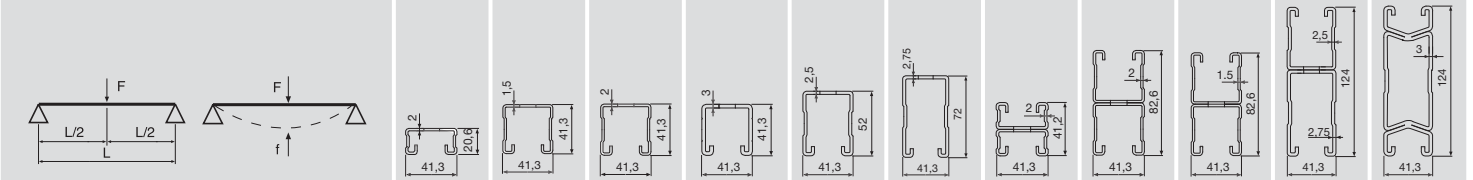


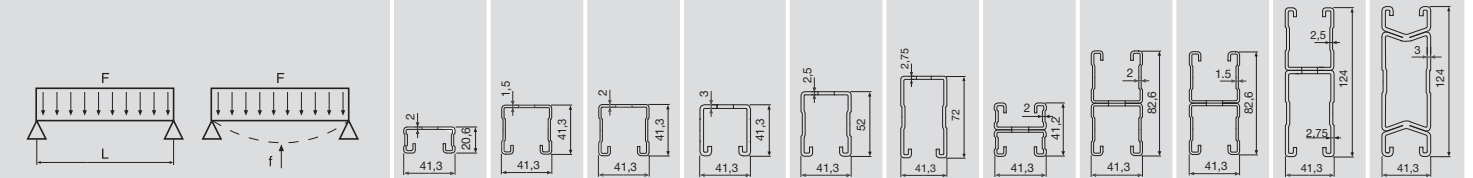
Technical data for channel profiles MQ (max. load/deflection at single load)



span width L [cm]	MQ-21		MQ-41-L		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	F	f
25	2.69	0.4	6.31	0.2	8.17	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	1.34	1.7	3.15	0.9	4.08	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	0.88	3.7	2.10	2.0	2.72	1.9	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	0.49	5.0	1.57	3.5	2.03	3.4	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	0.31	6.2	1.25	5.5	1.62	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	0.21	7.5	0.99	7.5	1.30	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	0.15	8.7	0.72	8.7	0.94	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	0.11	9.9	0.54	10.0	0.71	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	0.08	11.0	0.42	11.2	0.55	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	0.06	12.1	0.33	12.4	0.44	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	13.2	0.27	13.6	0.35	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	14.2	0.22	14.8	0.29	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	15.2	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			0.15	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	0.16	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	0.13	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	21.6	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	0.05	23.6	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]	MQ-21		MQ-41-L		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	F	f
25	5.38	0.5	12.61	0.3	16.33	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	2.68	2.1	6.30	1.1	8.16	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	1.41	3.8	4.19	2.5	5.43	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	0.79	5.0	3.14	4.4	4.06	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	0.49	6.3	2.29	6.3	3.01	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	0.33	7.5	1.58	7.5	2.08	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	0.24	8.8	1.15	8.8	1.51	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	0.17	10.0	0.87	10.0	1.14	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	0.13	11.3	0.68	11.3	0.89	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	0.71	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	0.57	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	0.46	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	0.38	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			0.20	18.8	0.26	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	0.09	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.