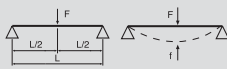
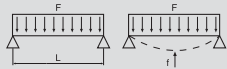


Technical data for channel profiles MQ (max. span width/ deflection at single load)

																		
	Max. span width L [cm] / deflection f [mm], max. L/200 at single 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	
load F [kN]	L	f	L	f	L	f	L	f	L	f	L	f	L	f	L	f	L	f
0,25	139	7.0	229	11.4	318	15.9	434	21.7	600	28.2	295	14.7	600	27.2	600	9.2	600	7.1
0,50	100	5.0	167	8.3	236	11.8	334	16.7	498	24.9	221	11.1	506	25.3	600	13.7	600	9.9
0,75	82	4.1	137	6.9	195	9.8	279	14.0	426	21.3	184	9.2	434	21.7	600	18.1	600	12.7
1,00	69	3.3	119	6.0	170	8.5	245	12.2	377	18.8	160	8.0	385	19.2	600	22.5	600	15.5
1,25	55	2.1	106	5.3	153	7.6	220	11.0	341	17.1	144	7.2	348	17.4	600	26.9	600	18.3
1,50	46	1.5	89	3.7	138	6.8	202	10.1	314	15.7	126	5.8	321	16.0	588	29.4	600	21.1
1,75	40	1.1	76	2.7	119	5.0	187	9.4	292	14.6	109	4.3	299	14.9	552	27.6	600	23.9
2,00	35	0.8	67	2.1	104	3.8	174	8.5	275	13.7	95	3.3	280	14.0	522	26.1	600	26.7
2,25	31	0.7	59	1.6	93	3.0	155	6.8	260	13.0	85	2.6	256	11.9	496	24.8	600	29.5
2,50	28	0.5	53	1.3	84	2.5	140	5.5	247	12.3	77	2.1	231	9.7	474	23.7	579	29.0
2,75	25	0.4	49	1.1	76	2.0	127	4.5	229	10.8	70	1.8	211	8.1	454	22.7	557	27.8
3,00	23	0.4	45	0.9	70	1.7	117	3.8	210	9.1	64	1.5	194	6.8	437	21.8	537	26.8
3,50	20	0.3	38	0.7	60	1.3	100	2.8	181	6.7	55	1.1	167	5.1	401	19.5	502	25.1
4,00	17	0.2	33	0.5	52	1.0	88	2.2	159	5.2	48	0.8	146	3.9	354	15.2	472	23.5
4,50	15	0.2	30	0.4	47	0.8	78	1.7	141	4.1	43	0.7	130	3.1	317	12.1	424	18.9
5,00	14	0.1	27	0.3	42	0.6	70	1.4	127	3.3	38	0.5	117	2.5	287	9.9	385	15.5
6,00	12	0.1	22	0.2	35	0.4	59	1.0	106	2.3	32	0.4	98	1.7	240	7.0	324	11.0
7,00	10	0.1	19	0.2	30	0.3	50	0.7	91	1.7	27	0.3	84	1.3	207	5.1	280	8.2
8,00	9	0.1	17	0.1	26	0.2	44	0.5	80	1.3	24	0.2	74	1.0	181	4.0	246	6.3

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

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

																			
Max. span width L [cm] / 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		
load F [kN]	L	f	L	f	L	f	L	f	L	f	L	f	L	f	L	f	L	f	
0,25	171	8.4	278	13.9	379	18.9	500	25.0	600	21.7	347	17.3	600	21.0	600	7.6	600	6.0	
0,50	124	6.1	207	10.4	291	14.5	402	20.1	580	29.0	270	13.5	589	29.4	600	10.4	600	7.8	
0,75	102	5.0	172	8.6	243	12.2	343	17.1	509	25.4	228	11.4	518	25.9	600	13.1	600	9.5	
1,00	89	4.4	150	7.5	213	10.6	303	15.1	458	22.9	200	10.0	466	23.3	600	15.9	600	11.3	
1,25	80	3.9	135	6.7	192	9.6	274	13.7	419	20.9	180	9.0	427	21.3	600	18.6	600	13.0	
1,50	73	3.6	123	6.1	176	8.8	252	12.6	388	19.4	165	8.3	395	19.8	600	21.4	600	14.8	
1,75	67	3.3	114	5.7	163	8.1	235	11.7	362	18.1	154	7.7	370	18.5	600	24.2	600	16.5	
2,00	63	3.1	107	5.3	153	7.6	220	11.0	341	17.1	144	7.2	348	17.4	600	26.9	600	18.3	
2,25	60	2.9	101	5.0	144	7.2	208	10.4	323	5.9	136	6.8	330	16.5	600	29.7	600	20.0	
2,50	55	2.6	96	4.8	137	6.8	198	9.9	308	15.4	129	6.5	315	15.7	578	28.9	600	21.8	
2,75	50	2.2	91	4.6	131	6.5	189	9.4	295	14.7	123	6.2	301	15.0	556	27.8	600	23.5	
3,00	46	1.8	87	4.4	125	6.2	181	9.0	283	14.1	118	5.9	289	14.4	537	26.8	600	25.3	
3,50	40	1.3	76	3.4	116	5.8	168	8.4	263	13.1	109	5.4	269	13.4	503	25.1	600	28.8	
4,00	35	1.0	67	2.6	104	4.8	157	7.9	247	12.3	95	4.1	252	12.6	474	23.7	579	29.0	
4,50	31	0.8	59	2.0	93	3.8	148	7.4	233	11.7	85	3.3	238	11.9	450	22.5	552	27.6	
5,00	28	0.7	53	1.7	84	3.1	140	6.8	222	11.1	77	2.7	226	11.3	429	21.4	527	26.4	
6,00	23	0.5	45	1.2	70	2.1	117	4.8	203	10.1	64	1.8	194	8.5	394	19.7	487	24.3	
7,00	20	0.3	38	0.8	60	1.6	100	3.5	181	8.4	55	1.4	167	6.3	367	18.3	454	22.7	
8,00	17	0.3	33	0.7	52	1.2	88	2.7	159	6.4	48	1.0	146	4.8	344	17.2	427	21.4	

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