

Technical data for bracket MQK with angle brace (zincd)

		Type of load 1 Uniform	Type of load 2 Single	Type of load 3	Type of load 4	Type of load 5
Bracket	L (mm)	F1 [N]	F1 [N]	F1 [N]	F2 [N]	F3 [N]
galvanized with angle brace		HST3 M12 HUS3-H 10	HST3 M12 HUS3-H 10	HST3 M12 HUS3-H 10	HST3 M12 HUS3-H 10	HST3 M12 HUS3-H 10
MQK-21/450 k	450	4266	2544	526	1881	1603
MQK-41/450 k	450	5463	5467	2383	2733	1822
MQK-41/600 I	600	5386	3440	2424	2516	1797
MQK-41/1000 I	1000	2052	3222	398	1611	1074
MQK-41/3/450 k	450	5459	5463	2725	2732	1821
MQK-41/3/600 I	600	5382	4445	2684	2693	1795
MQK-41/600/4 I	600	5386	3440	2424	2516	1797
MQK-41/1000/4 I	1000	2052	3222	398	1611	1074
MQK-72/450 k	450	5454	5458	2720	2729	1819
MQK-72/600 I	600	5375	5379	2678	2689	1793
MQK-21 D/450 k	450	5460	5463	2334	2732	1821
MQK-21 D/600 I	600	5382	3329	2395	2452	1795
MQK-41 D/1000 I	1000	3202	3202	1581	1601	1067

k = MQK-SK I = MQK-SL

* Sustainability of the bracket with the attachment **HST3 M12** or alternatively with the **HUS3-H 10x70** with h_{ef} min 46 mm.

- Load values are for grade \geq C20/25 concrete.
- The bracket's own weight has been considered.
- The load's apply only if the bracket is fastened away from abuilding component edge (fastenings made at component edges must be designed separately).
- Separate verification must be provided that forces are transferred to the respective base material, i.e. steel and concrete.
- The application guidelines in anchor approvals must be observed. Loading values according to approval status May 2016.
- The deflection (deformation) of L/150 was observed in all cases, this being measured at the point of load application.

Technical data for bracket MQK-L without bracing (zincd)

		Type of load 1 Uniform	Type of load 2 Single	Type of load 3	Type of load 4	Type of load 5
Bracket	L (mm)	F1 [N]	F1 [N]	F1 [N]	F2 [N]	F3 [N]
carbon steel without bracing		HST3 M10 HUS3-H 8	HST3 M10 HUS3-H 8	HST3 M10 HUS3-H 8	HST3 M10 HUS3-H 8	HST3 M10 HUS3-H 8
MQK-L-21/200	200	768	768	412	384	256
MQK-L-21/300	300	534	534	281	267	178
MQK-L-21/450	450	365	365	188	182	122

* Sustainability of the bracket with the attachment **HST3 M10** with h_{ef} min 60 mm or alternatively with the **HUS3-H 8** with h_{ef} min 60 mm.

- Load values are for grade \geq C20/25 concrete.
- The bracket's own weight has been considered.
- The load's apply only if the bracket is fastened away from abuilding component edge (fastenings made at component edges must be designed separately).
- Separate verification must be provided that forces are transferred to the respective base material, i.e. steel and concrete.
- The application guidelines in anchor approvals must be observed. Loading values according to approval status June 2016.
- The deflection (deformation) of L/150 was observed in all cases, this being measured at the point of load application.