Loads

Type

EA II M6 x 30

EA II M8 x 25

EA II M8 x 30

FAII M8 x 40

FA II M10 x 25

EA II M10 x 30

FA II M10 x 40

FA II M12 x 25

EA II M12 x 50

Hammerset anchor EA II

Permissible loads for a single anchor¹⁾ for multiple use of redundant non-structural applications* in normal concrete C20/25 up to C50/60. For the design the complete current assessment ETA-07/0142 has to be considered.

gvz

gvz

gvz

gvz

gvz

gvz

avz

gvz

gvz

actions of $\gamma_1 = 1.4$ are considered.

For further details see EN 1992-4 section 7.3 and CEN/TR 17079.

member thickness is not possible. Exact data see ETA.

²⁾ For details of steel grade, variants and further concrete classes, see ETA.

with the provisions of the complete ETA and the provisions of the EN 1992-4:2018.

4.6

4.6

4.6

4.6

4.6

4.6

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4.6

4.6

A multiple fixing (redundant system) according to EN 1992-4 and CEN/TR 17079 is defined by

Cracked and non-cracked concrete

Material/ surface ²⁾	Screw material	Effective anchorage depth	Minimum member thick- ness	Maximum installation torque	(s _{min}) and edge distar	nces (c _{min})
				_		

80

80

80

80

80

80

80

80

100

- Additionally, it has to be proven that the stiffness of the attached element shall be large enough to ensure that in case of excessive slip or failure of a fastener the load on this fastener or fixing point can be transferred to neighbouring fixing points without significantly violating the requirements on the attached element in the serviceability and ultimate limit state.

Design according to EN 1992-4:2018 (for static resp. quasi-static loads). The partial safety factors for material resistance as regulated in the ETA as well as a partial safety factor for load

3) Minimum possible member thickness while increasing the spacing and edge distances at the same time. The combination of minimum spacing and edge distances with the minimum

4) Valid for tensile load, shear load and oblique load under any angle. In the case of combinations of tensile, shear loads and bending moments, the design must be carried out in accordance

4

8

8

8

15

15

15

35

35

1.2

14

2.0

2.0

19

2.0

3.0

19

4.3

 \mathbf{C}_{\min}

60

150

100

150

150

120

150

150

130

200

[mm]

[mm]

30

70

70

110

200

80

200

200

100

200

h_{ef} h_{min} 3) T_{inst,max} [Nm1 [mm] [mm] [kN] **EA II M6 x 25** 1.0 gvz 4.6 25 80 4 30

25

30

40

25

30

40

25

50

- at least 3 fixing points (per attached element) with at least one anchor at each fixing point and a permissible load per fixing point of 1.4 kN

* In addition to the load table above, the following must be considered for multiple fastening of non-structural redundant systems:

- or by at least 4 fixing points with at least one anchor each fixing point and a permissible load per fixing point of 2.1 kN