

# LOADS

## Heavy-duty anchor TA M-S/TA M (screw with grade 8.8)

**Highest permissible loads for a single anchor**<sup>1)</sup> in concrete C20/25<sup>4)</sup>

For the design the complete approval ETA - 04/0003 has to be considered.

				Non-cracked concrete			
Type	Effective anchorage depth $h_{ef}$ [mm]	Min. member thickness $h_{min}$ [mm]	Installation torque $T_{inst}$ [Nm]	Permissible tensile load $N_{perm}^{3)}$ [kN]	Permissible shear load $V_{perm}^{3)}$ [kN]	Min. spacing $s_{min}^{2)}$ [mm]	Min. edge distance $c_{min}^{2)}$ [mm]
TA M6 S	40	100	10,0	3,6	3,3	80	50
TA M8 S	45	100	20,0	5,7	6,7	90	60
TA M10 S	55	110	40,0	9,5	11,0	110	70
TA M12 S	70	140	75,0	11,9	17,0	160	120

<sup>1)</sup> The partial safety factors for material resistance as regulated in the approval as well as a partial safety factor for load actions of  $\gamma_L = 1,4$  are considered. As an single anchor counts e.g. an anchor with a spacing  $s \geq 3 \times h_{ef}$  and an edge distance  $c \geq 1,5 \times h_{ef}$ . Accurate data see approval.

<sup>2)</sup> Minimum possible axial spacings resp. edge distance while reducing the permissible load.

<sup>3)</sup> For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

<sup>4)</sup> For higher concrete strength classes up to C50/60 higher permissible loads may be possible.