



No.	Name	Material
1	Raptr Screw Anchors	High strength steel bright zinc plated to 5Mu

Building materials

Qualities



Screw size		7.5 / T30	
Concrete C20/25			
N_{Emp}	Recommended tension load ¹⁾	kN	1.2
V_{Emp}	Recommended shear load ¹⁾	kN	0.8
V_{Emp}	Recommended shear load ²⁾	kN	1.6
h_{ef}	Effective anchorage depth	mm	30
T_{inst}	Torque for anchoring	Nm	20
h_1	Drill hole depth	mm	40
d_0	Drill hole-Ø in the building material	mm	6

Brick			
N_{Emp}	Recommended tension load ¹⁾	kN	0.8
V_{Emp}	Recommended shear load ¹⁾	kN	0.5
V_{Emp}	Recommended shear load ²⁾	kN	1.2
h_{ef}	Effective anchorage depth	mm	40
T_{inst}	Torque for anchoring	Nm	15
h_1	Drill hole depth	mm	50
d_0	Drill hole-Ø in the building material	mm	6

Aerated concrete			
N_{Emp}	Recommended tension load ¹⁾	kN	0.2
V_{Emp}	Recommended shear load ¹⁾	kN	0.1
V_{Emp}	Recommended shear load ²⁾	kN	0.3
h_{ef}	Effective anchorage depth	mm	60
T_{inst}	Torque for anchoring	Nm	5
h_1	Drill hole depth	mm	assembling without pre-drill
d_0	Drill hole-Ø in the building material	mm	

M_{Emp}	Recommended bending moment	Nm	17
d_f	Hole-Ø in the attached part	mm	6
d_k	Ø-head	mm	11

Safety factor of 3 included

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