Hammer In Capsules

LOAD DATA - NON- CRACKED CONCRETE

Grade 8.8 Threaded Rod x 1 Capsule (C20/25 Non- Cracked Concrete)

Thread Diam (d_o)	Overall Embedment Depth (h_{nom})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance		Design Resistance		Approved Resistance		Design Spacing		Design Edge Distance	
			Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile	Shear
mm	mm	mm	kN	kN	kN	kN	kN	kN	mm	mm	mm	mm
10	100	130	31.6	23.0	12.5	18.4	8.9	13.1	230	50	120	195
12	120	150	44.3	33.0	17.5	26.4	12.5	18.8	275	60	140	260
16	**160**	**200**	**76.0**	**63.0**	**30.1**	**50.4**	**21.5**	**36.0**	**360**	**80**	**180**	**435**
20	200	250	131.9	98.0	52.3	78.4	37.3	56.0	510	100	215	585
25	**240**	**300**	**177.3**	**141.0**	**70.3**	**112.8**	**50.2**	**80.5**	**640**	**120**	**335**	**765**
30	300	370	262.4	224.0	104.1	179.2	74.3	128.0	900	210	450	1090

STEEL DESIGN RESISTANCE FOR SINGLE ANCHOR

Load Type	Steel Grade	Threaded Bar /Rebar Size							
		M10	M12	M16	M20	M24	M25	M30	M32
Tensile (kN)	Rebar Fe500	30.5	44.0	78.2	122.3	-	191.0	-	313.0
	Grade 5.8	19.3	28.0	52.7	82.0	118.0	-	187.3	-
	Grade 8.8	30.7	44.7	84.0	130.7	188.0	-	299.3	-
Shear (kN)	Rebar Fe500	14.2	20.5	36.5	57.0	-	89.1	-	146.0
	Grade 5.8	11.2	16.8	31.2	48.8	78.4	-	112.0	-
	Grade 8.8	18.4	26.4	50.4	78.4	112.8	-	179.2	-