

Hammer In Capsules

LOAD DATA - NON- CRACKED CONCRETE



Grade 50 Rebar x 1 Capsule (C20/25 Non- Cracked Concrete)

Bar Diam (d _b)	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	34.3	21.4	13.6	14.2	9.7	10.1	245	50	125	135
12	120	150	47.5	30.8	18.8	20.5	22.0	14.6	285	60	145	195
16	160	200	84.4	54.7	33.5	36.5	39.0	26.0	380	80	190	295
20	200	250	131.9	85.6	52.3	57.0	61.1	40.7	510	100	275	405
25	250	310	197.9	133.7	78.5	89.1	56.0	63.6	740	125	375	560
32	320	400	289.0	219.1	114.7	146.0	81.9	104.2	960	160	480	800



Grade 50 Rebar x 2 Capsule (C20/25 Non- Cracked Concrete)

Bar Diam (d _b)	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	200	230	68.6	21.4	27.2	14.2	19.4	10.1	245	50	125	110
12	240	270	95.0	30.8	37.7	20.5	26.9	14.6	285	60	145	140
16	320	360	168.8	54.7	67.0	36.5	47.8	26.0	380	80	200	195
20	400	450	263.8	85.6	104.7	57.0	74.7	40.7	475	100	315	260
25	500	560	395.8	133.7	157.0	89.1	112.1	63.6	610	125	450	340
32	640	720	591.2	219.1	234.6	146.0	104.2	104.2	860	160	610	465



Grade 5.8 Threaded Rod x 1 Capsule (C20/25 Non- Cracked Concrete)

Thread Diam (d _b)	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	14.0	12.5	11.2	8.9	8.0	230	50	120	110
12	120	150	44.3	21.0	17.5	16.8	12.5	12.0	275	60	140	155
16	160	200	76.0	39.0	30.1	31.2	21.5	22.2	360	80	180	245
20	200	250	131.9	61.0	52.3	48.8	37.3	34.8	510	100	215	335
24	240	300	177.3	88.0	70.3	70.4	50.2	50.2	640	120	335	435
30	300	370	262.4	140.0	104.1	112.0	74.3	80.0	900	150	450	620