



The prestressing bar system consists of high tensile alloy steel bars in diameters from 20mm to 75mm provided with cold rolled threads for part or full length. A wide range of fittings are available to suit individual requirements.

TECHNICAL SPECIFICATIONS

Nominal diameter	Nominal cross sectional area	Mass		Major diameter of threads	Minimum hole diameter in Steelwork
		Standard	Stainless		
mm	mm ²	kg/m	kg/m	mm	mm
20	315	-	2.47	21.0	24
25	491	4.07	3.85	28.0	31
26.5	552	4.56	-	29.5	33
32	804	6.66	6.31	36.1	40
36	1018	8.45	-	40.0	44
40	1257	10.41	9.86	45.2	49
50	1963	16.02	-	55.5	60
75	4185	33.2	-	77.0	82

MECHANICAL PROPERTIES

Grade	Characteristic ultimate tensile strength	Minimum 0.1% proof stress	Minimum elongation	Approximate modulus of elasticity
Standard 25-50mm	N/mm ² 1030	N/mm ² 835	% 6	kN/mm ² 170
75 mm	1030	835	6	205
Stainless	1000	800	15	210