Specification of Reinforcing Bars

Specification of Concrete Reinforcing Deformed Bars

1. Deformed Bar			
2. Yield Strength	over	295 N/mm^2	42775 Psi
	to	390 N/mm^2	56550 Psi
3. Tensile Strength		440 N/mm^2	63800 Psi
		600 N/mm^2	87000 Psi
4. Elongation	over	18%	
Maximum Size of Bar		32 mm	
5. Bendability			
Bending angle		180·	
Inner diameter		D 16 or less; 1.5 times the nominal diameter	
		More than D 16:Twice the nominal diameter	

Unit mass and standard dimensions of Deformed Steel bars are as follow:

Designation		Unit mass Kg/m	Nominal dia (d) mm
D	12	0.806	11.44
D	16	1.560	15.90
D	20	2.438	19.88
D	25	3.980	25.40