



ROUND BAR

Dimensions and Properties



TIS 20-2543

Grade : SR24



NOMINAL SIZES AND UNIT WEIGHT

Designation	Designation Diameter (mm.)	Cross Sectional Area (cm ²)	Unit Weight (kg./m.)	Tolerance Unit Weight/m.
RB6	6	0.283	0.222	± 0.10
RB8	8	0.503	0.395	± 0.06
RB9	9	0.636	0.499	
RB10	10	0.785	0.616	
RB12	12	1.131	0.888	
RB15	15	1.767	1.387	
RB19	19	2.835	2.226	
RB22	22	3.801	2.984	
RB25	25	4.909	3.853	
RB28	28	6.158	4.834	
RB34	34	9.079	7.127	

PHYSICAL PROPERTIES

Grade	Yield Strength not less than (Mpa)	Tensile Strength not less than (Mpa)	Elongation not less than (%)	Cold Bend Test	
				Bending Angle	Diameter of Mandrel
SR24	235	385	21	180	1.5 times of diameter

CHEMICAL COMPOSITION (%)

Grade	Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	Sulphur (S)
SR24	0.28	-	-	0.058	0.058