

ROUND BARS

According to TIS 20-2543 in diameter grades SR24
Equivalent to : JIS G3112 (1987), AS/NZS 4671:2001,
AS1302-1991, SS2 : Part2 : 1999 NZS 3402 : 1989



CHEMICAL COMPOSITION (%)

Grade	Carbon	Silicon	Manganese	Phosphorus	Sulphur
SR24	0.280	-	-	0.058	0.058

PHYSICAL PROPERTIES

Grade	Yield Strength not less than (kgf/mm ²)	Tensile Strength not less than (kgf/mm ²)	Elongation not less than (%)	Cold Bend Test	
				Bending Angle	Diameter of Mandrel
SR24	24	39	21	180 ⁰	1.5 times of diameter

NOMINAL SIZES AND UNIT WEIGHT

Designation	Designation Diameter (mm.)	Unit Weight (kg./m.)	Cross Sectional Area (cm ²)
RB6	6	0.222	0.283
RB9	9	0.499	0.636
RB12	12	0.888	1.131
RB15	15	1.387	1.767
RB19	19	2.226	2.835

DEFORMED BARS

According to TIS 24-2536 grades SD30,
SD40 with the standard length of 10 and 12 M.
Equivalent to : ASTM A615/A 615M-96b, BS4449 : 1997,
JIS G3112 (1987), AS 1303-1991, AS-NZS 4671:2001



CHEMICAL COMPOSITION (%)

Grade	Carbon	Manganese	Phosphorus	Sulphur	Carbon+Manganese 6
SD30	0.30	-	0.06	0.06	0.50
SD40	-	1.85	0.06	0.06	0.55

PHYSICAL PROPERTIES

Grade	Yield Strength not less than (kgf/mm ²)	Tensile Strength not less than (kgf/mm ²)	Elongation not less than (%)	Cold Bend Test	
				Bending Angle	Diameter of Mandrel
SD30	30	49	17	180 ⁰	3, 4 times of diameter
SD40	40	57	15	180 ⁰	5 times of diameter

NOMINAL SIZES AND UNIT WEIGHT

Designation	Designation Diameter (mm.)	Unit Weight (kg./m.)	Cross Sectional Area (cm ²)
DB12	12	0.888	1.13
DB16	16	1.578	2.01
DB20	20	2.466	3.14
DB25	25	3.853	4.91
DB28	28	4.834	6.16
DB32	32	6.313	8.04