

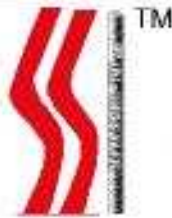


ROUNDS

Products	Rounds
Diameter	12.2, 15.5, 16.2 mm
Cut Length	6 Mtr & 12 Mtr (+) (-) 75 mm and 25 mm
Dimensional Tolerance	0.5 mm on Nominal Size Upto 16.2 mm
Ovality	0.65 mm

S P E C I F I C A T I O N S

Chemical Properties	Specification	IS 2062/1999			
	Grade	GrA (Sk)	GrB (k)	GrC (k)	
	C% Max	0.23	0.22	0.20	
	Mn% Max	1.50	1.50	1.50	
	P% Max	0.05	0.045	0.040	
	S% Max	0.05	0.045	0.041	
	CE/SP Max	0.42	0.41	0.39	
	CE% max				
Mechanical / Physical Properties		<20mm	250	250	250
	Yield Strength				
	MPa Min	20-40mm	240	240	240
		>40mm	230	230	230
	Ultimate Tensile Strength	410	410	410	
	Elongation % Min	23.0	23.0	23.0	
Bend Test	upto22mm	2d	2d	2d	
	Above 22mm	3d	3d	3d	



WIRE RODS

PRODUCT SPECIFICATION CONFORMING TO IS - 1852 - 1985

Products	Wire Rods
Diameter	5.5, 6, 8, 10, 12 mm
Dimensional Tolerance	0.5% on nominal size upto 12 mm
Ovality	0.65 mm upto 12 mm
Weight of Coil Max.	260 kgs to 500 kgs

S P E C I F I C A T I O N S

Specification	SSL TMT			
	1018		1010	
Grade	1018		1010	
C% Max	0.15	0.20	0.08	0.13
Mn% Max	0.60	0.90	0.30	0.60
P% Max	0.04		0.04	
S% Max	0.05		0.04	
CE/SP Max				
SP% max				

Mechanical / Physical Properties	Yield Strength MPa Min		
	Ultimate Tensile Strength	440	420
	Elongation % Min		
	Bend Test		

Super Smelters has the distinction of being one of the few companies in the East to manufacture 5.5 mm Wire Rods.



S P E C I F I C A T I O N S

Specification	IS 1786/1985			SSL TMT			Super Shakti
	Fe 415	Fe 500	Fe 550	Fe 415	Fe 500	Fe 550	
Chemical Properties							
Grade	Fe 415	Fe 500	Fe 550	Fe 415	Fe 500	Fe 550	450*
C% Max	0.30	0.30	0.30	0.20	0.20	0.20	0.20
Mn% Max							
P% Max	0.06	0.055	0.05	0.05	0.05	0.045	0.05
S% Max	0.06	0.055	0.05	0.05	0.05	0.05	0.05
CE/SP Max SP% max	0.110	0.105	0.100	0.100	0.100	0.100	0.100
Mechanical / Physical Properties							
Yield Strength MPa Min	415	500	550	415	500	550	450*
Ultimate Tensile Strength	485	545	585	490	550	600	0.20
Elongation % Min	14.5	12.0	8.0	15.0	14.0	10.0	0.05
Bend Test	3d	4d	5d	2d	3d	4d	0.05
	4d	5d	6d	3d	4d	5d	0.100

*Created exclusively by Super Shakti