

Comparison		Chemical Specification				
Grade	Fe 500		Fe 550		Fe 600	
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold
Carbon (Max.)	0.30	0.23	0.30	0.22	0.30	0.23
Sulphur (Max.)	0.055	0.045	0.055	0.040	0.040	0.036
Phosphorus (Max.)	0.055	0.050	0.050	0.045	0.040	0.036
S + P (Max.)	0.105	0.095	0.100	0.085	0.075	0.072
CE (%)	0.42	0.33	0.42	0.32	0.42	0.32

Comparison		Mechanical Specification				
Grade	Fe 500		Fe 550		Fe 600	
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold
Yield Stress - N/mm ² (Min.)	500	540	550	580	600	640
Tensile Strength - N/mm ² (Min.)	545	610	585	640	660	720
Elongation % (Min.)	12	18	10	16	10	16
TS / YS Ratio	≥ 1.08	1.12	≥ 1.06	1.10	≥ 1.06	1.12

Mandrel Size		Bend / Rebend (Ø = Dia fo Bar) Specification				
Grade	Fe 500		Fe 550		Fe 600	
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold
Bend (Up to & incl. 20mm)	4 Ø	4 Ø	5 Ø	5 Ø	5 Ø	5 Ø
Bend (Over 20mm)	5 Ø	5 Ø	6 Ø	6 Ø	6 Ø	6 Ø
Rebend (Up to & incl. 10mm)	5 Ø	5 Ø	7 Ø	7 Ø	7 Ø	7 Ø
Rebend (Over 10mm)	7 Ø	7 Ø	8 Ø	8 Ø	8 Ø	8 Ø

Comparison		Sectional Weight / (Meter)				
Size (Dia in mm)	Tolerance Limit in Kg / mtr (Min. - Max.)		Tolerance Range		Weight Variation Gram / mtr	
	IS : 1786	Saluja Gold	IS : 1786	Saluja Gold	IS : 1786	Saluja Gold
08	0.367-0.423	0.367-0.410	± 7	-7 / +4	56	43
10	0.574-0.660	0.574-0.635	± 7	-7 / +3	86	61
12	0.844-0.932	0.844-0.905	± 5	-5 / +2	88	61
16	1.501-1.659	1.501-1.610	± 5	-5 / +2	158	109
20	2.396-2.544	2.396-2.507	± 3	-3 / +1.5	148	111
25	3.735-3.965	3.735-3.907	± 3	-3 / +1.5	230	172
28	4.685-4.974	4.685-4.902	± 3	-3 / +1.5	289	217
32	6.121-6.499	6.121-6.404	± 3	-3 / +1.5	378	275

Comparison		Sectional Weight / (Pieces/Bundle)			
Size (Dia in mm)	Pieces in Bundle (Saluja Gold)	Weight / Pieces 12.2 mtr. Length (Min. - Max.)		Weight / Bundle (Min. - Max.)	
		IS : 1786	Saluja Gold	IS : 1786	Saluja Gold
08	12	4.477 - 5.161	4.477 - 5.012	44.774 - 51.606	53.724 - 60.144
10	8	7.003 - 8.052	7.002 - 7.747	49.020 - 56.364	56.016 - 61.976
12	5	10.297 - 11.370	10.296 - 11.041	51.484 - 56.852	51.480 - 55.205
16	3	18.300 - 20.240	18.312 - 19.642	54.900 - 60.719	54.936 - 58.926
20	2	29.231 - 31.037	29.231 - 30.585	58.462 - 62.074	58.462 - 61.170
25	1	45.567 - 48.373	45.567 - 47.665	45.567 - 48.373	45.567 - 47.665
28	1	57.157 - 60.695	57.157 - 59.804	57.157 - 60.695	57.157 - 59.804
32	1	74.676 - 79.288	74.676 - 78.128	74.676 - 79.288	74.676 - 78.128



बेहतर लचीलापन



किफायती एवं उपयोग में सुरक्षित



बेहतर वेलडिंग की क्षमता



उच्च तापरोधी



अत्यंत मजबूत



भूकम्परोधी



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