

CHEMICAL DATA

Properties	Fe 500	Rudra 500	Fe 500D	Rudra 500D	Fe 550	Rudra 550	Fe 550D	Rudra 550D	Fe 600	Rudra 600	CRS	Rudra CRS
Carbon	0.30	0.25	0.25	0.22	0.30	0.25	0.25	0.22	0.30	0.22	0.10-0.15	0.12
Sulphur	0.055	0.040	0.040	0.035	0.055	0.040	0.040	0.035	0.040	0.035	0.035	0.035
Phosphorus	0.055	0.040	0.040	0.035	0.050	0.040	0.040	0.035	0.040	0.035	0.08-0.10	0.12
S+P	0.105	0.075	0.075	0.070	0.100	0.075	0.075	0.070	0.075	0.070	1.50	1.50
% Mn		0.70		0.70		0.70		0.70		0.70		1.0
% Si		0.35		0.35		0.35		0.35		0.35		0.30
CE (Max)		0.42		0.42		0.42		0.42		0.42		
											0.35-0.50	0.40
%Cr												0.12

MECHANICAL DATA

Properties	Fe 500	Rudra 500	Fe 500D	Rudra 500D	Fe 550	Rudra 550	Fe 550D	Rudra 550D	Fe 600	Rudra 600	CRS	Rudra CRS
Y Stress Min	500	525	565	525	550	575	550	575	600	625	500	600
Tensile Strength	545	500	565	600	585	645	600	645	660	680	565	650
Elongation	12	20	16	20	10	20	14.5	20	10	20	16	20

STANDARD SIZE AND USEFUL DATA

Section in mm	ISI Standard Nominal Weight Kg./ Mtr.	RUDRA TMT Nominal Weight Kg./ Mtr.	Tolerance Limit as per ISI in Kg./ Mtr.	RUDRA TMX Tolerance Limit in Kg./ Mtr.	No. of Pieces Per bundle 40 Ft	Weight Per bundle in Kgs. 40 Ft
8	0.395	0.375	0.367 - 0.423	0.370 - 0.385	15	69
10	0.617	0.580	0.574 - 0.660	0.575 - 0.590	10	71
12	0.888	0.850	0.844 - 0.932	0.845 - 0.860	7	73
16	1.580	1.520	1.500 - 1.659	1.510 - 1.535	4	74
20	2.470	2.410	2.395 - 2.544	2.400 - 2.425	2	60
25	3.850	3.780	3.730 - 3.965	3.740 - 3.795	1	46
28	4.830	4.750	4.685 - 4.975	4.700 - 4.800	1	58
32	6.310	6.250	6.121 - 6.499	6.190 - 6.300	1	76
40	9.850	9.700	9.554 - 10.145	9.570 - 9.800	1	119