

Hot Rolled Coil Technical Specifications

Producer Grade	Standard Grade														
		% C	% Mn	% Si	% P	% S	% Cu	% N	% Al	Others	Yield Strenght (min-max) N/mm2		Tensile Strenght (min-max) N/mm2		Elongation % (min.)
				Max	Max	Max	Max	Max	Max						
TOS-2711	DD 11	Maks. 0.10	0.10-0.30	0.030	0.025	0.025	0.45	0.012	0.100		170	360	440		23
TOS-3350	S195T	Maks. 0.10	0.10-0.40	0.300	0.030	0.035	0.45	0.012	0.080		195		310	450	
TOS-3380	S195T(G1)	Maks. 0.10	0.20-0.40	0.030	0.020	0.035	0.45	0.012	0.100						
TOS-3750	S235JR	0.04-0.16	0.15-0.60	0.300	0.030	0.035	0.45	0.012	0.080		235		360	550	27
TOS-3780	S235JR(G1)	0.04-0.16	0.20-0.60	0.030	0.020	0.035	0.45	0.012	0.100						
TOS-4450	S275JR	0.04-0.16	0.20-1.10	0.300	0.030	0.035	0.45	0.012	0.080		275		430	600	25
TOS-4480	S275JR (G1)	0.04-0.16	0.25-1.10	0.030	0.020	0.035	0.45	0.012	0.100						
TOS-4460	S315MC	Maks. 0.10	0.40-1.00	0.100	0.025	0.010	0.30	0.012	0.080	Nb: 0.030-0.050	315		390	510	22
TOS-5250	S355JR	0.04-0.18	0.60-1.50	0.300	0.030	0.035	0.45	0.012	0.080		355		510	700	24
TOS-5260	S355MC	Maks. 0.12	0.60-1.50	0.100	0.025	0.010	0.30	0.012	0.100	Nb: 0.030-0.050	355		430	550	19-23
TOS-5280	S355JR(G1)	0.12-0.18	0.70-1.50	0.030	0.020	0.035	0.45	0.012	0.080		355		510	700	24
TOS-6260	S420MC	0.05-0.18	0.60-1.50	0.030	0.025	0.010	0.30	0.012	0.080	Nb: 0.030-0.050	420		480	620	16-19
TOS-8030	1030	0.28-0.34	0.60-0.90	0.15-0.35	0.025	0.035	0.35	0.012	0.080						
TOS-8045	1045	0.43-0.47	0.60-0.90	0.15-0.35	0.025	0.035	0.35	0.012	0.080						
TOS-9030	API Gr A	0.04-0.018	0.20-0.70	0.300	0.025	0.030	0.30	0.010	0.080		210		330		
TOS-9035	API Gr B	0.04-0.018	0.20-0.90	0.300	0.025	0.030	0.30	0.010	0.080		240	450	415	700	*
TOS-9042	API X-42	0.04-0.018	0.25-1.30	0.300	0.025	0.015	0.25	0.012	0.080		290	495	415	700	*
TOS-9046	API X-46	0.05-0.018	0.70-1.30	0.300	0.025	0.015	0.25	0.012	0.080		315	525	435	700	*
TOS-9052	API X-52	0.05-0.018	0.60-1.40	0.300	0.025	0.020	0.30	0.012	0.080	Nb: 0.030-0.050	360	530	455	760	*
TOS-9056	API X - 56	0.05-0.018	0.60-1.50	0.300	0.025	0.020	0.30	0.012	0.080	Nb: 0.030-0.050	385	545	490	760	*
TOS-9255	API 5CT J55	0.05-0.018	0.60-1.50	0.300	0.025	0.020	0.45	0.012	0.080	Nb: 0.030-0.050	380	550	517	760	*

Thickness Tolerance		
Thickness mm	Tolerance (mm) for S235 & S275	Tolerance (mm) for S355
1.20 - 1.50	± 0.13	± 0.15
1.51 - 2.00	± 0.14	± 0.16
2.01 - 2.50	± 0.15	± 0.17
2.51 - 3.00	± 0.16	± 0.18
3.01 - 4.00	± 0.17	± 0.20
4.01 - 5.00	± 0.18	± 0.22
5.01 - 6.00	± 0.20	± 0.24
6.01 - 8.00	± 0.22	± 0.26
8.01 - 10.00	± 0.25	± 0.30

Maximum Coil Widths For Grades				
Thickness Ranges mm	Maxiumu Coil Width (mm)			
	I	II	III	IV
1.15 - 1.29	750	700	650	600
1.30 - 1.49	800	750	700	650
1.50 - 1.74	850	800	750	700
1.75 - 1.99	925	800	825	775
2.00 - 2.24	1000	325	875	825
2.25 - 2.49	1000	1000	950	900
2.50 - 2.74	1000	1000	1000	950
2.75 - 10.00	1000	1000	1000	1000
For all thickness and grades minimum width is 550mm				
Group - I	2711, 3350, 3380, 3750, 3780, 9030			
Group - II	4450, 4480, 9035, 9042			
Group - III	4460, 5250, 5260, 5280, 9046,9052			
Group - IV	6260, 8030, 8045, 9056, 9255			