

MILD STEEL PLATES & COILS

Specifications	Chemical						Mechanical				Mpa, min	
	C Max	Mn Max	Si Max	S Max	P Max	Micro Alloy	Tensile Min	Yield Min	% EL 50 GL	Min 200 GL	Bend	Impact
ASTM-A 36	0.26	1.2	$\frac{0.15}{0.40}$	0.05	0.04	—	400-550	250	21	18	2T	—
IS 2062												
E 250 A	0.23	1.5	0.4	0.045	0.045	—	410	250	23	—	2T	—
E 250 BR	0.22	1.5	0.4	0.045	0.045	—	410	250	23	—	2T	27J at 25°C
E 250 BO												27J at 0°C
E 250 C	0.20	1.5	0.4	0.040	0.040	—	410	250	23	—	2T	27J at -20°C

HIGH TENSILE PLATES & COILS

Specifications	Chemical						Mechanical					
	C Max	Mn Max	Si Max	S Max	P Max	Micro Alloy	Tensile Min	Yield Min	% EL 50 GL	% EL 200 GL	Bend	Impact
EN 10025												
S 355 JR	0.20	1.6	$\frac{0.35}{0.55}$	0.035	0.035	—	$\frac{490}{630}$	355	22	—	—	+20°C /27J
S 355 JO	0.20	1.6	$\frac{0.35}{0.55}$	0.030	0.030	—	$\frac{490}{630}$	355	22	—	—	0°C /27J
S 355 J2G3 /J2+N	0.20	1.6	0.55	0.025	0.025	—	$\frac{490}{630}$	355	20	—	—	-20°C /27J
S 355 K2G3 /K2+N	0.20	1.6	0.55	0.025	0.025	—	$\frac{490}{630}$	355	20	—	—	-20°C /40J
IS 2062												
E 350 A	—	—	—	—	—	—	—	—	—	—	—	—
E 350 BR	0.20	1.55	0.45	0.045	0.045	—	490 Min	350 Min	22	—	2T	+25°C /27J
E 350 BO	—	—	—	—	—	—	—	—	—	—	—	0°C /27J
E 350 C	0.20	1.55	0.45	0.40	0.40	—	490 Min	350 Min	22	—	2T	-20°C /27J
SAILMA												
350 HI	0.20	1.5	—	0.04	0.04	0.30	$\frac{490}{610}$	350	21	—	3T	-20°C /30J
410 HI	0.20	1.5	—	0.04	0.04	0.30	$\frac{540}{660}$	410	20	—	3T	-20°C /25J
450 HI	0.20	1.5	—	0.04	0.04	0.30	$\frac{570}{720}$	450	19	—	3T	-20°C /20J

HIGH TENSILE PLATES (QUENCHED & TEMPERED STEEL)

Specifications	Chemical										Mechanical Mpa, min			
	C Max	Mn Max	Si Max	S Max	P Max	Cr Max	Mo Max	Ni Max	Cu Max	B MAX	Tensile	Yield	% EL	
A 537 CL - 2	0.24	1.6	0.5	0.035	0.035	0.25	0.08	0.25	0.35	—	550-690	415	22%	
S 690 QL	0.20	1.7	0.8	0.01	0.02	1.5	0.7	2	0.5	0.005	770-940	690	14%	
WELDOX 700	0.20	1.6	0.6	0.01	0.020	0.7	0.7	2	0.3	0.005	780-930	700	14%	
DILLIMAX 690	0.2	1.6	0.5	0.005	0.018	1.5	0.6	1.8	0.5	0.004	770-930	690	14%	
QUEND 700	0.2	1.5	0.6	0.01	0.02	0.6	0.5	1	0.5	0.005	940-1100	900	14%	
WELTON 780	1.8	1.5	0.25	0.01	0.02	0.6	0.5	1	0.5	0.005	770-930	690	14%	

ALLOY STEEL PLATES

Specifications	Chemical									Mechanical				
	C Max	Mn Max	Si Max	S Max	P Max	Cr Max	Mo Max	Ni Max	Cu Max	Tensile	Yield	% EL		Bend
												50 GL	200 GL	
ASTM A 387														
Gr 11 - Cl 2	0.17	$\frac{0.40}{0.65}$	$\frac{0.50}{0.80}$	0.04	0.035	$\frac{1.0}{1.50}$	$\frac{0.45}{0.65}$	—	—	$\frac{515}{690}$	310	22	18	—
Gr 12 - Cl 2	0.17	$\frac{0.40}{0.65}$	$\frac{0.15}{0.40}$	0.04	0.035	$\frac{0.80}{1.15}$	$\frac{0.45}{0.60}$	—	—	$\frac{450}{585}$	275	22	19	—
Gr 5 - Cl 2	0.15	$\frac{0.30}{0.60}$	0.50	0.035	0.035	$\frac{4.0}{6.0}$	$\frac{0.45}{0.65}$	—	—	$\frac{515}{690}$	310	18	—	—
Gr 22 - Cl 2	0.15	$\frac{0.30}{0.60}$	0.50	0.035	0.035	$\frac{2.0}{2.5}$	$\frac{0.90}{1.10}$	—	—	$\frac{515}{690}$	310	18	—	—