

ALLOY STEEL PLATES - MECHANICAL PROPERTIES ASTM A -367 GRADE 2, 5, 7, 9, 11, 12, 22, CLASS 1 &2								
Tensile Test								
Class 1*5			Class2*6					
Elongation %min		Reduction of area % min	Tensile Strength Ksi(MPa)	Yield Strength (0.02%Offset) Ksi(MPa)	Elongation % min		Reduction of area % min	Heat Treatment Tempering Temperature
GL =8 in. *2 or 200 mm	GL = 2in. or 50 m				GL =8 in. *2 or 200 mm	GL = 2in. or 50 m		
18	22	--	70-90 (485-620)	45 (310)	18	22	--	1,150°F(620°C)and over
18	22	--	65-85 (450-585)	40 (275)	19	22	--	
19	22	--	75-100 (515-690)	45 (310)	18	22	--	
--	18	45*3 40*4	75-100 (515-690)	45 (310)		18	45*3 40*4	1,250°F(675°C) and over
--	18	45*3 40*4	75-100 (515-690)	45 (310)		18	45*3 40*4	
--	18	45*3 40*4	75-100 (515-690)	45 (310)	--	18	45*3 40*4	1,300°F(705°C) and over
--	18	45*3 40*4	75-100 (515-690)	45 (310)	--	18	45*3 40*4	1,250°F(675°C) and over
--	18	45*3 40*4	75-100 (515-690)	45 (310)	--	18	45*3 40.4	1,250°F(675°C) and over

