

TYPE	STANDARD	GRADE	thickness : t mm.	CHEMICAL COMPOSITION (max)						Tension Test						Bend Test		Impact Test			
				C	Si	Mn	P	S	OTHER ELEMENTS	Yield Point min		Tensile Strength		Elongation min			Angle of bending (Degree)	Inside radius	Temp (°C)	Absorbion energy min (Joule)	
										thick : t mm.	Kgf / mm ² [MPa, N / mm ²]	thick : t mm.	Kgf / mm ² [MPa, N / mm ²]	thick : t mm.	Transverse						
		Test piece	%																		
Rolled Steel for General Structure	TIS 1479 (2541) & JIS G 3101 (2004)	SS330	All	-	-	-	0.050	0.050	-	-	t ≤ 16 16 < t ≤ 40 40 < t ≤ 100	21 [205] 20 [195] 18 [175]	All	34 - 44 [330-430]	t ≤ 5 5 < t ≤ 16 16 < t ≤ 50 t > 40	5 1A 1A 4	26 21 26 28	180	0.5 t	-	-
		SS400		-	-	-			t ≤ 16 16 < t ≤ 40 40 < t ≤ 100	25 [245] 24 [235] 22 [215]	t ≤ 5 5 < t ≤ 16 16 < t ≤ 50 t > 40	5 1A 1A 4			21 17 21 23						
		SS490		-	-	-			t ≤ 16 16 < t ≤ 40 40 < t ≤ 100	29 [285] 28 [275] 26 [255]	t ≤ 5 5 < t ≤ 16 16 < t ≤ 50 t > 40	5 1A 1A 4			19 15 19 21						
		SS540 ¹⁾		0.30	-	1.60			0.040	0.040	-	-			t ≤ 16 16 < t ≤ 40	41 [400] 40 [390]	t ≤ 5 5 < t ≤ 16 16 < t ≤ 50				