

Technical Specification References

Classification	Specification	Designation of Grade	Mechanical Properties					Chemical Composition %					Bend Test (N2)	
			Tensile Strength N/mm ²	Yield Strength N/mm ²	Elongation			C Max	Si Max	Mn Max	P Max	S Max	Bending Angle	Bending Radius
					Test Piece	Thickness								
Hot Rolled Steel Plates and Sheets & Chequered Plates	JIS G 3131	SPHC	270 min	-	No 5	1.2mm & over, up to 1.6mm 1.6mm & over, up to 3.2mm 3.2mm & over	27 min 29 min 31 min	0.15	-	0.60	0.050	0.050	180°	Flat on itself 0.5t
	JIS G 3101	SS 330	330 to 430	205 min	No 5	5mm & under	26 min	-	-	-	0.050	0.050	180°	0.5t
		No 1A	Over 5mm to 16mm	21 min										
	JIS G 3101	SS 400	400 to 510	245 min	No 5	5mm & under	21 min	-	-	-	0.050	0.050	180°	1.5t
		No 1A	Over 5mm to 16mm	17 min										
BSN 10025	S275JR	410-560 ^(N3)	275 min	-	-	3.0mm & over, up to 4.0mm	22 min	0.24	-	1.60	0.055	0.055	As specified in BS EN 10025	
ASTM A 36	-	400 - 550	250 min	-	-	Gauge Length Lo=50mm	23 min	0.25	0.40	-	0.040	0.050	-	-
Galvanised Steel Sheets	JIS G 3302	SGCC	270 min	205 min	-	Up to 1.6mm 1.6mm & over, up to 3.0mm 3.0mm & over	-	-	-	-	-	-	180°	t ^(N1) t ^(N1) 2t ^(N1)
		SGHC	270 min	205 min	-	Up to 1.6mm 1.6mm & over, up to 3.0mm 3.0mm & over	-	-	-	-	-	-	180°	t ^(N1) t ^(N1) 2t ^(N1)
Cold Rolled Steel Sheets	JIS G 3141	SPCC	270 min	-	No 5	0.6mm & over, up to 1.0mm	36 min	0.12	-	0.50	0.040	0.045	180°	Flat on itself
						1.0mm & over, up to 1.6mm	37 min							
						1.6mm & over, up to 2.5mm	38 min							
						2.5mm & over	39 min							

- NOTES: (N1) - up to grade z27 maximum
(N2) - Bend Test test piece No. 3
(N3) - 3mm ≤ nominal thickness ≤ 100mm
t - thickness

Cold-Rolled Steel Sheets

JIS G 3141 SPCC

Thickness	Width x Length		
	4' x 8'		
	1829mm x 2438mm		
	Calculated Weight		
mm	kg/pc	lb/pc	pcs/mt
0.30	6.999	15.430	142.9
0.35	8.165	18.001	122.5
0.36	8.399	18.516	119.1
0.40	9.332	20.573	107.2
0.45	10.498	23.145	95.3
0.50	11.665	25.716	85.7
0.55	12.831	28.288	77.9
0.60	13.998	30.859	71.4
0.65	15.164	33.431	65.9
0.70	16.331	36.003	61.2
0.80	18.664	41.146	53.6
0.85	19.830	43.718	50.4
0.90	20.997	46.289	47.6
1.00	23.330	51.432	42.9
1.10	25.663	56.576	39.0
1.20	27.996	61.719	35.7
1.40	32.661	72.005	30.6
1.45	33.828	74.577	29.6
1.50	34.994	77.149	28.6
1.55	36.161	79.720	27.7
1.60	37.327	82.292	26.8
1.80	41.993	92.578	23.8
1.90	44.326	97.722	22.6
2.00	46.659	102.865	21.4
2.20	51.325	113.151	19.5
2.30	53.658	118.295	18.6
2.50	58.324	128.581	17.1
2.60	60.657	133.724	16.5
2.80	65.323	144.011	15.3
2.90	67.656	149.154	14.8
3.00	69.989	154.297	14.3

(Other sizes & lengths not stipulated in the table above may be made available upon request)