

TYPE	STANDARD	GRADE	thickness : t mm.	CHEMICAL COMPOSITION (max)										TENSION TEST						BEND TEST		IMPACT TEST												
				C	Si	Mn	P	S	N	Cu	OTHER ELEMENTS		Yield Point min		Tensile Strength		Elongation min			Angle (Degree)	Inside radius	Temp (°C)	Absorbion energy min (Joule)											
											Nb	V	thick : t mm.	Kgf / mm ² [MPa, N/mm ²]	thick : t mm.	Kgf / mm ² [MPa, N / mm ²]	thick : t mm.	%																
Plate , Strip & Wide Flats	BS4360 (1990)	43A	NO SPECIFIC D	0.25	0.50	1.60	0.050	0.050	-	-	-		t ≤ 63	44 - 59 [430 - 580]	Non proportional	GL80	GL200	-	-	-	-													
		43B		0.21		1.50					0.040	0.040										28 [275]	27 [265]	t ≤ 9	17	16								
		43C		0.18		1.60	0.050	0.050			16 < t ≤ 40	27 [265]										40 < t ≤ 63	26 [255]	9 < t ≤ 150	23	20	+20 (B)	27 (B)						
		50A	t < 12.5	0.23		1.50	0.040	0.040			0.003 - 0.10	* For each reduction of 0.01%C, an increase of 0.06%Mn is permitted up to 1.60%Mn max. / For plate t > 12 mm. , C = 0.22% max. for ladle is permitted.			t ≤ 63	44 - 59 [430 - 580]	Non proportional					GL80	GL200	-	-	-	-							
		50B	As Rolled	0.20*		1.60																						0.050	0.050	t ≤ 16	36 [355]	t ≤ 9	16	15
		50C	t ≥ 12.5	0.20*		1.50	0.040	0.040																				16 < t ≤ 40	35 [345]	40 < t ≤ 63	35 [340]	9 < t ≤ 150	20	18