

JIS STANDARDS	DESIGNATION	Chemical composition%				
		C	Mn	P	S	Si
JIS G3131	SPHC	≤ 0.12	≤ 0.60	≤ 0.045	≤ 0.035	-
	SPHD	≤ 0.10	≤ 0.45	≤ 0.035	≤ 0.035	-
	SPHE	≤ 0.08	≤ 0.40	≤ 0.03	≤ 0.030	-
	SPHF	≤ 0.08	≤ 0.35	≤ 0.025	≤ 0.025	-
JIS G3132	SPHT 1	≤ 0.10	≤ 0.50	≤ 0.040	≤ 0.040	≤ 0.35
	SPHT 2	≤ 0.18	≤ 0.60	≤ 0.040	≤ 0.040	≤ 0.35
	SPHT 3	≤ 0.25	0.30- 0.90	≤ 0.040	≤ 0.040	≤ 0.35
	SPHT 4	≤ 0.30	0.30- 1.00	≤ 0.040	≤ 0.040	≤ 0.35
JIS G3101	SS330	-	-	≤ 0.05	≤ 0.05	-
	SS400	-	-	≤ 0.05	≤ 0.05	-
	SS490	-	-	≤ 0.05	≤ 0.05	-
	SS540	≤ 0.30	≤ 1.60	≤ 0.04	≤ 0.04	-
JIS G 3106	SM400A	≤ 0.23	2.5 X C ≤	≤ 0.035	≤ 0.035	-
	SM400B	≤ 0.20	0.60 - 1.50	≤ 0.035	≤ 0.035	≤ 0.35
	SM400C	≤ 0.18	0.60 - 1.50	≤ 0.035	≤ 0.035	≤ 0.35
	SM490A	≤ 0.20	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM490B	≤ 0.18	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM490C	≤ 0.18	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM490YA	≤ 0.20	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM490YB	≤ 0.20	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM520B	≤ 0.20	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
	SM520C	≤ 0.20	≤ 1.65	≤ 0.035	≤ 0.035	≤ 0.55
JIS G 3113	SAPH 310	-	-	≤ 0.040	≤ 0.040	-
	SAPH 370	-	-	≤ 0.040	≤ 0.040	-
	SAPH 400	-	-	≤ 0.040	≤ 0.040	-
	SAPH 440	-	-	≤ 0.040	≤ 0.040	-





Thickness Tolerance

Nominal Thickness	Nominal Width			
	W < 1200	1,200 - 1500	1500 - 1800	Above 1600
Under 1.60	±0.14	±0.15	±0.16	-
1.60 ≤ t < 2.00	±0.16	±0.17	±0.18	±0.21
2.00 ≤ t < 2.50	±0.17	±0.19	±0.21	±0.25
2.50 ≤ t < 3.15	±0.19	±0.21	±0.24	±0.26
3.15 ≤ t < 4.00	±0.21	±0.23	±0.26	±0.27
4.00 ≤ t < 5.00	±0.24	±0.26	±0.28	±0.29
5.00 ≤ t < 6.00	±0.26	±0.28	±0.29	±0.31
6.00 ≤ t < 8.00	±0.29	±0.30	±0.31	±0.35
8.00 ≤ t < 10.00	±0.32	±0.33	±0.34	±0.40
10.00 ≤ t < 12.50	±0.35	±0.36	±0.37	±0.45
12.50 ≤ t < 14.00	±0.38	±0.39	±0.40	±0.50