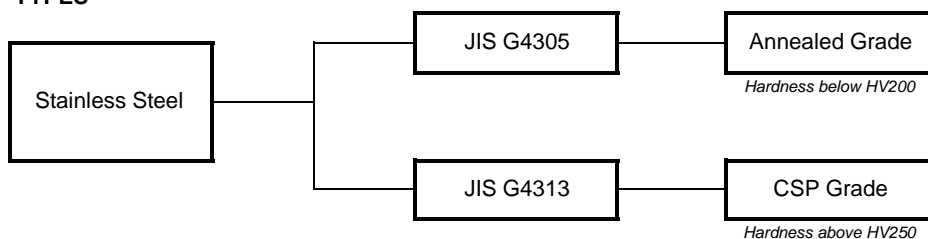


STAINLESS STEEL STRIP IN PLATE, SHEET AND STRIP

1 CLASSIFICATION

		<i>Common Types</i>
a.	Austenitic Series	SUS301 / SUS304 / SUS316L
b.	Ferritic Series	SUS410L / SUS430
c.	Martensitic Series	SUS420J2
d.	Precipitation Hardening Series	SUS631

2 TYPES



3 CHEMICAL COMPOSITION

Grade	Chemical Composition (%)										
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	Others
301	0.15 max.	1.00 max.	2.00 max.	0.045 max.	0.030 max.	6.00-8.00	16.00-18.00	-	-	-	-
304	0.08 max.	1.00 max.	2.00 max.	0.045 max.	0.030 max.	8.00-10.00	18.00-20.00	-	-	-	-
316L	0.03 max.	1.00 max.	2.00 max.	0.045 max.	0.030 max.	12.00-15.00	16.00-18.00	2.00-3.00	-	-	-
410L	0.03 max.	1.00 max.	1.00 max.	0.040 max.	0.030 max.	-	11.00-13.50	-	-	-	-
430	0.12 max.	0.75 max.	1.00 max.	0.040 max.	0.030 max.	-	16.00-18.00	-	-	-	-
420J2	0.26-0.40	1.00 max.	1.00 max.	0.040 max.	0.030 max.	-	12.00-14.00	-	-	-	S 0.030 max.
631	0.09 max.	1.00 max.	1.00 max.	0.040 max.	0.030 max.	6.50-7.75	16.00-18.00	-	-	-	Al 0.75-1.50

4 HARDNESS RANGE

Hardness (301)		Hardness (304)	
Types	Range	Types	Range
½H	HV310-370	½H	HV250-310
¾H	HV370-430	¾H	HV310-370
H	HV430-490	H	HV370-430
EH	HV490 above	EH	HV430 above

5 MECHANICAL PROPERTIES

Grade	YIELD	TENSILE	ELONGATION
	N/mm ²	N/mm ²	%
301	205 min.	520 min.	40 min.
304	205 min.	520 min.	40 min.
316L	175 min.	480 min.	40 min.
410L	195 min.	360 min.	22 min.
430	205 min.	450 min.	22 min.
420J2	225 min.	540 min.	18 min.
631	380 min.	1030 min.	20 min.

Grade	Hard	YIELD	TENSILE	ELONGATION
		N/mm ²	N/mm ²	%
301	½H	510 min.	930 min.	10 min.
	¾H	745 min.	1130 min.	5 min.
	H	1030 min.	1320 min.	-
304	½H	470 min.	780 min.	6 min.
	¾H	665 min.	930 min.	3 min.
	H	880 min.	1130 min.	-