

Walsin Precision Technology Sdn Bhd

PRODUCT

With a definite know-how, we supply wide and extreme thin high quality and precision product.

Stainless Steel	SUS 301, SUS 302, SUS304, SUS304L, SUS316, SUS316L, SUS321, SUS410, SUS 420J2, SUS 430, JFE20-
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PRODUCTS SPECIFICATION

Thickness	Max : 1.50mm	Min : 0.02mm
Width	Max : 450mm	min : 5mm

SERVICING SPECIFICATION

A. SLITTING

Thickness	Max : 2.00mm	Min : 0.02mm
Width	Max : 1220mm	Min : 5.00mm

THICKNESS TOLERANCE

Nominal Thickness	Standard (+/- mm)	Precision (+/- mm)
<0.025	0.003	0.002
0.025-<0.04	0.003	0.002
0.04-<0.06	0.004	0.002
0.06-<0.10	0.005	0.003
0.10-<0.15	0.006	0.004
0.15-<0.20	0.007	0.005
0.20-<0.25	0.008	0.006
0.25-<0.30	0.012	0.007
0.30-<0.40	0.014	0.008
0.40-<0.50	0.017	0.009
0.50-<0.60	0.02	0.01
0.60-<0.80	0.025	0.012
0.80-<1.00	0.03	0.014

MAXIMUM CAMBER (Walsin Standard)	
Width (mm)	Max. Camber Per Meter Of Length (mm)
Under 10	5
10-20 excl.	4
20-40 excl.	3
40-80 excl.	2
80 and over	1

FLATNESS TOLERANCE	
Tolerance Class	Max. Waviness % (Height/Length Of Wave)
Standard	3.00
Precision	1.00

WIDTH TOLERANCE

Width (mm)	Thickness (mm)			
	Under 0.25	0.25-0.6	0.6-1.0 excl.	1.0-1.6 excl.
Under 80 (Standard)	+/-0.05	+/-0.07	+/-0.11	+/-0.15
80-160 excl.(Standard)	+/-0.07	+/-0.11	+/-0.15	+/-0.2
160-250 excl.(Standard)	+/-0.1	+/-0.15	+/-0.2	+/-0.25

MECHANICAL PROPERTIES OF STAINLESS STRIP FOR SPRINGS

TPPE SYMBOL	TEMPER SYMBOL	AS COLD ROLLED OR SOLUTION HEAT			ELONGATION %
		HARDNESS HV	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	
SUS 301	1/2 H	310 min	510 min	930 min	10 min
	3/4 H	370 min	745 min	1130 min	5 min
	FH	430 min	1030 min	1320 min	-
	EH	490 min	1275 min	1570 min	-
SUS 302	1/4 H	263 ~ 295	689.5 ~ 896	862 ~ 1034	20 nom
	1/2 H	295 ~ 335	896 ~ 1034	1034 ~ 1207	9 ~ 15
	FH	335 ~ 382	1034 ~ 1172	1207 ~ 1344	4 ~ 9
	EH	382 ~ 439	1172 ~ 1448	1276 ~ 1551	1 ~ 4
SUS304	1/2 H	250 min	470 min	780 min	-
	3/4 H	310 min	665 min	930 min	3 min
	FH	370 min	885 min	1130 min	-
SUS305	1/4 H	-	689.5 ~ 827	827 ~ 931	10 nom
	1/2 H	-	793 ~ 896	931 ~ 1034	8 nom
	FH	-	896 ~ 1034	1069 ~ 1172	2 ~ 6
SUS316	1/4 H	-	758 ~ 827	827 ~ 1034	15 nom
	1/2 H	250 ~ 300	965 ~ 1103	1034 ~ 1207	4 ~ 7
	FH	300 min	1103 ~ 1172	1207 ~ 1310	1 ~ 5