ACCIFILO Precision Strips

The design of stainless steel strip is playing an increasingly important role. ACCIFILO is addressing this trend and, in collaboration with its customers, is developing a wide range of very varied designs, suitable both for decorative and functional applications.

ACCIFILO STRIP

Material	Finish	Hardness	Processing Capabilities	
SUS 304	BA 2B 2D No.3 No.4 N0.5 SB HL	ANN 1/2H 3/4H H EH SHE	Range	: 0.03mm - 1.50mm
SUS 301			Thickness	: 0.03mm - 0.20mm ± 5%
SUS 316L				0.20mm - 1.20mm ± 3%
SUS 305			HV	: ± 15
SUS 631			Width	: 3.0mm - 250mm ± 0.05mm
SUS 430				over 250mm ± 0.1mm
SPCC			Straightness	: 1-2IU
SK4/SK5			Slit Burr	: 0.04 - 0.30mm <10%
SK7			Edge Quality	: 0.30 - 1.20mm < 0.04mm

*Correspond to JIS, ASTM, GB, DIN standard

Mechanical Properties

Steel Grade	Statement	Hardness HV	Tensile Strength N/mm²	Elongation %	Yield Intensity Mpa
SUS301	1/2H	≧310	≧930	≧10	≧510
	3/4H	≧370	≧1130	≧5	≧745
	H	≧430	≧1320	-	≧1030
	EH	≧490	≧1570	-	≧1275
	SEH	≧530	≧1740	-	≧1450
SUS304	1/2H	≧250	≧780	≧6	≧470
	3/4H	≧310	≧930	≧3	≧665
	H	≧370	≧1130	-	≧880
SUS420J2	0	≦210	-	≧18	≦225
SUS631 (17-7PH)	1/2H	≧350	≧1080	≧5	-
	3/4H	≧400	≧1180	-	-
	H	≧450	≧1420	-	-
SPCC	SPCC-S	≦115	≧270	≧28	-
SK4	BA	160 ~ 200	490 ~ 645	24 ~ 35	-
SK5	BA	150 ~ 190	460 ~ 625	26 ~ 37	-
SK7	BA	140 ~ 180	410 ~ 610	28 ~ 39	-

STAINLESS STEEL STRIPS

Grade	Characteristics
301	It is a modification of Type 304 in which the chromium and nickel contents are lowered to increase the cold work-hardening range. this permits higher tensile strengths to be achieved by rolling with a lower loss of ductility than with Type 304. The grade is essentially non-magnetic when annealed. However, when the grade is cold worked, it becomes more magnetic than other standard austenitic stainless steels.
304	It is the most typical in 18-8 stainless steel strips. Also, it is the most popular in Austenite series.
304L	The Carbon content is lower than in SUS304, and it has anticorrosion because of the Chromium content. It excels at resistance to grain boundary corrosion. Under annealing conditions, its hardness is very low and work hardening is very small ,so it is suitable for deep drawing products.
305	Under solution treatment conditions, the Austenite Series is not magnetic. Throughout the cold rolling process it becomes magnetic.
316L	It is extreme-low Carbon steel of SUS316. Resistance to grain boundary corrosion is present in SUS 316, the same as in SUS304L.
631	This is a typical type of precipitation hardened steel. Hardness can be gained by heat-treatment, maintaining the excellent performance of stainless steel. From the softest to the hardest, suitable heat-treatment enables it to gain strength similar to that of hardened high-Carbon Martensitic steels. Its magnetism is weak after solution treatment, but it is strongly magnetized by precipitation hardening treatment.

Possible range to produce