

**MT-640, Banding, Stainless Steel, 1/2", 100ft**

- Supplier & p/n; Ideal Tridon, p/n ST404

	Item #	Item Name	Width	Material	Thickness	Weight	Qty/Coil
	ST404	1/2", 100 Ft. Stainless Steel Self Dispensing Coils	1/2-in-12.70-mm	Type-316-Stainless-Steel	.030-in-.76-mm	5.10	100

Stainless Steel Strapping

Strapbinder stainless steel strapping, available in 201, 304 or 316 stainless, is ideal for sign securement applications. It is produced with a deburred edge for safer handling.

Average Minimum Breaking Strength of Strapbinder Band (Lbs.)									
Width Inches	Stainless Steel			Stainless Steel Econo Coils					
	Gauge	201 B/S	316 B/S	Gauge	304 B/S	Gauge	304 B/S	Gauge	304 B/S
1/4	.020	500	-	-	-	-	-	-	-
3/8	.025	900	-	-	-	-	-	-	-
1/2	.030	1500	1200	.015	600	.020	850	.025	1060
5/8	.030	1875	1500	.015	750	.020	1000	-	-
3/4	.030	2250	1800	-	-	.020	1275	.025	1590
3/4	.044	3300	-	-	-	-	-	-	-
1	.044	4400	-	-	-	-	-	-	-
1 1/4	.044	5500	-	-	-	-	-	-	-

Note to user concerning band strength:

The table shows the average minimum break strength based on the nominal material size and minimum strength. The actual break strength required to break the band will likely be greater than these values.

Any performance data published herein is based on laboratory tests which cannot duplicate conditions that may be encountered in field installations. Such conditions may vary results substantially from those shown, such as abuse in handling and installation practices; abnormal environmental conditions; neglect of operating condition of Strapbinder tools; or non-recommended combinations of Strapbinder products. Strapbinder is not responsible for performance characteristics of its products resulting from such variables. Representatives either orally or in writing by any person or entity of performance data other than as set forth herein are strictly unauthorized.

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PROVEN DESIGNS | BILLIONS OF TIMES



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**Strapbinder®** Metals Data

Material	201 Stainless Steel Annealed	201 Stainless Steel 1/4 Hard	304 Stainless Steel Annealed	316 Stainless Steel Annealed	Galvanized Carbon Steel	Painted Carbon Steel	Aluminum
Specification							
UNS Designation	S20100	S20100	S30400	S31600	-	-	A93003
ASTM	A666	A666	A666	A666	A653	-	B209
Principal Alloying Elements, %							
C	.015 Max	.015 Max	.08 Max	.08 Max	.16 Max	.29 Max	-
Mn	5.50-7.50	5.50-7.50	2.0 Max	2.0 Max	1.65 Max	.9 Max	1.0-1.5
P	.06 Max	.06 Max	.045 Max	.045 Max	.020 Max	.045 Max	-
S	.03 Max	.03 Max	.030 Max	.030 Max	.020 Max	.045 Max	-
Si	.75 Max	.75 Max	.75 Max	.75 Max	-	-	.60 Max
Cr	16.0-18.0	16.0-18.0	18.0-20.0	16.0-18.0	.15 Max	-	-
Ni	3.50-5.50	3.50-5.50	8.0-10.5	10.0-14.0	.20 Max	-	-
N	.25 Max	.25 Max	.10 Max	-	-	-	-
Mo	-	-	-	2.0-3.0	.06 Max	-	-
Cu	-	-	-	-	-	-	.20 Max
Fe	-	-	-	-	-	-	.70 Max
Ti	-	-	-	-	.025 Max	-	-
Zn	-	-	-	-	-	-	.10 Max
Al	-	-	-	-	-	-	Balance
Physical Properties							
Density lb./cu. inch	0.287	0.287	0.290	0.290	0.283	-	0.099
Structure	Austenitic	Austenitic	Austenitic	Austenitic	Martensitic	-	-
Melting Range	2550-2650° F	2550-2650° F	2550-2650° F	2540-2630° F	2720° F	-	1190° F
Electrical Properties	Non-Magnetic	Non-Magnetic	Non-Magnetic	Non-Magnetic	Magnetic	Magnetic	-
Mechanical Properties							
Rockwell Hardness	100 Rb Max	-	92 Rb Max	95 Rb Max	-	77 Rb Max	40 Brinell
Ultimate Tensile Strength (PSI)	95,000	125,000	75,000	75,000	98,000	53,000	20,000
Yield Strength (PSI)	45,000	75,000	30,000	40,000	80,000	43,000	17,000
% Elongation in 2 inches (Min)	40	25	40	35	13	13	4
Corrosion Resistance							
Mild Atmospheric and Fresh Water	Good	Good	Very Good	Excellent	Good/Fair	Fair/Poor	-
Industrial Atmosphere	Good	Good	Very Good	Very Good	Fair	Fair	Good
Marine Atmosphere	Fair	Fair	Good	Very Good	Poor	Poor	Good
Salt Water	Do not use	Do not use	Do not use	Good	Do not use	Do not use	-
Mild Chemical	Fair	Fair	Good	Good	Do not use	Do not use	-
Oxidizing Chemical	Fair	Fair	Good	Good	Do not use	Do not use	-
Reducing Chemical	Do not use	Do not use	Do not use	Good	Do not use	Do not use	-



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