

# Aluminum Strip

ALASTA provides a single source for best-in-class Aluminum Strip products, technologies and solutions to support countless applications including construction, utility, oil & gas, electrical, and data centers.

ALASTA aluminum strip is ideal as metal sheathing for mechanical protection on electrical and fiber optic cables, for aluminum flexible conduit as well as heat exchanger tubes. These options are well suited for a broad range of commercial, industrial and utility applications. With its combination of strength, flexibility and lightweight, the aluminum strip is recommended for use on all high-speed armoring machines. Our aluminum strip is commonly produced with alloys AA1100, AA1145, AA1350, AA5005, AA5052 and AA5154A in a range of sizes and quality second to no one.

## Standard Sizes:

Other dimensions may be available upon request.

Strip width 3/8 in. (9.53 mm)		Strip width 1/2 in. (12.70 mm)		Strip width 3/4 in. (19.05 mm)	
Strip thickness		Strip thickness		Strip thickness	
in.	mm	in.	mm	in.	mm
0.025	0.635	0.040	1.02	0.060	1.52
0.024	0.610	0.034	0.864	0.055	1.40
0.022	0.559	0.030	0.762	0.040	1.02
0.0215	0.546	0.025	0.635	0.034	0.864
0.020	0.508	0.024	0.610	0.030	0.762
0.019	0.483	0.023	0.584	0.025	0.635
0.017	0.432	0.022	0.559		
0.016	0.406	0.019	0.483		



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Thickness tolerance	+0.0015 in./-0.0000 in.	+0.038 mm/-0.000 mm
Width tolerance - under 3/4 in. (19.05 mm)	± 0.004 in.	± 0.10 mm
Width tolerance - 3/4 in. (19.05 mm) and over	± 0.006 in.	± 0.15 mm

## Straightness:

In any length of 12 in. (300 mm), the maximum allowable deviation from a straight line (depth of arc) shall be 0.2 in. (5 mm) maximum.

## Packaging:

Coils are available in widths of 6 - 12 in. (152 mm – 305 mm).

## Allowable Coil Tolerances:

Nominal coil I.D.	16.125 in. ± 0.125 in.	410 mm ± 3 mm
Nominal coil O.D.	35 in. ± 1 in.	890 mm ± 25 mm
Coil width	+0 in./-0.5 in.	+0 mm/-13 mm

## Mechanical Properties:

Other alloys and tempers may be available upon request.

Alloy and temper	Ultimate tensile strength			Elongation in 10 in./250 mm
	ksi	MPa	kgf/mm <sup>2</sup>	% min.
AA1100-O	11.0 – 15.5	76 – 107	7.7 – 10.9	25.0
AA1145-O	9.4 – 11.6	65 – 80	6.6 – 8.2	28.0
AA1350-H18	24.9 – 31.2	172 – 215	17.5 – 21.9	1.0
AA5005-O	14.0 – 20.0	97 – 138	9.8 – 14.1	15.0
AA5052-H24	34.8 – 39.2	240 – 270	24.5 – 27.6	5.0
AA5154A-H24	40.0 – 44.0	276 – 303	28.1 – 30.9	5.0