

# Aluminum Strip



**Prysmian Group is one of the world's largest supplier of aluminum strip products and a leading supplier of both electrical and mechanical rod alloys around the globe.**

Prysmian Group's aluminum strip is ideal as metal sheathing for mechanical protection on electrical and fiber optic cables, as well as aluminum flexible conduit. These armored solutions are well suited for a broad range of commercial, industrial and utility applications. With its combination of strength, flexibility and light weight, aluminum strip is recommended for use on all North America high speed armouring machines. Aluminum strip is produced with alloys AA5052-H24 and AA5154A-H24. Contact Prysmian Group for a consultation on how our best in class aluminum strip can provide the competitive edge for your company's product.

## Standard Sizes:

Other dimensions may be available upon request.

Strip width		Strip width		Strip width	
3/8 in. (9.53 mm)		1/2 in. (12.70 mm)		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		



<b>Thickness tolerance</b>	+0.0015 in./-0.0000 in.	+0.038 mm/-0.000 mm
<b>Width tolerance - under 3/4 in. (19.05 mm)</b>	± 0.004 in.	± 0.10 mm
<b>Width tolerance - 3/4 in. (19.05 mm) and over</b>	± 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:**

<b>Nominal coil I.D.</b>	16.125 in. ± 0.125 in.	410 mm ± 3 mm
<b>Nominal coil O.D.</b>	35 in. ± 1 in.	890 mm ± 25 mm
<b>Coil width tolerance</b>	+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.
AA1350-H18	24.9 - 31.2	172 - 215	17.5 - 21.9	1.0
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