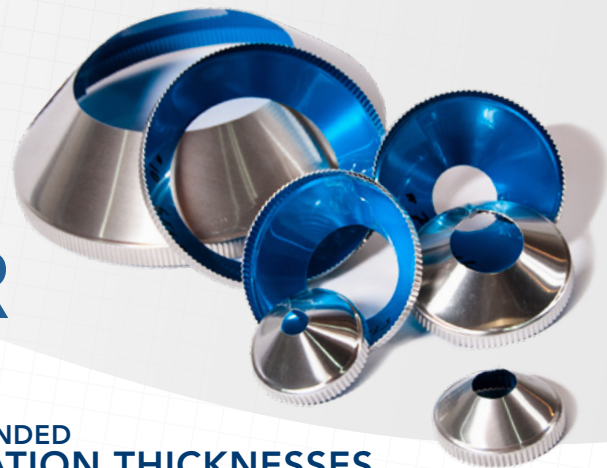


PRECISION FIT

FABRICATED BEVELED REDUCER ALUMINUM



PRODUCT DESCRIPTION

The standard material for the aluminum beveled reducers is 0.020" 3003 with a clear coat exterior and a painted moisture barrier or polyfilm moisture barrier. The standard beveled reducers are concentric, meaning they have the same center line from front to back. However, if needed, eccentric reducers with an offset centerline can be designed and manufactured.

Since beveled reducers are custom-made, they can be fabricated from any stocked material and thickness, whether smooth or embossed, to meet the specific requirements of your project. The beveled reducers feature a 1/2" to 3/4" crimped flange and a center hole that is precut to match the required outside diameter of the pipe or insulation. The fabrication materials used meet the standards outlined in ASTM B209.

In cases where the exact inside diameter of the hole is unknown, Ideal Products offers pressed beveled reducers that can be cut in the field to achieve the desired inside diameter. This flexibility ensures that the reducers can be tailored to meet the specific needs of your installation.

PRODUCT APPLICATION

Aluminum precision fabricated beveled reducers are mainly used to provide physical damage resistance, corrosion resistance, fire resistance, UV protection, and to help prevent liquid water from entering the insulation system. Typical, but not limited to, applications include pipe flanges, valves, and other custom mechanical insulation profiles where beveled reducers are utilized as a component of the insulation system.

PHYSICAL PROPERTIES

FINISHES

SMOOTH PLAIN MILL | STUCCO EMBOSSED

COLORS

A large variety of colored exterior finishes can be accommodated for desired aesthetic preferences or to reach specific emissivity levels. Please refer to Ideal Products standard color chart for reference. Other colors are available upon request.

PAINT COLORS



Color chips shown are standard colors and may not represent an exact match, painted metal samples and custom colors are available upon request.

RECOMMENDED APPLICATION THICKNESSES

ALUMINUM PIPE JACKETING *min. thickness**

OUTER INSULATION DAIMETER (in)	MINIMUM THICKNESS (in)	
	RIGID Insulation	NON-RIGID Insulation
≤ 8	0.016	0.016
over 8 – 11	0.016	0.020
over 11 – 24	0.016	0.024
over 24 – 36	0.020	0.032
over 36	0.024	0.040

*as per ASTM C1729

MATERIAL SPECIFICATIONS

ALLOY	3003/3105
TEMPERS	H14/H24
THICKNESSES	0.016", 0.020", 0.024", 0.032"
MOISTURE BARRIERS	Painted or Factory Applied Co-extruded 3 mil Polyethylene Film
MELTING POINTS	Aluminum: 660 °C (1220 °F) Polyfilm: 105 °C to 115 °C (221 °F to 239 °F)
ASTM E84 Flame Spread/Smoke Development	25/50 or Less
ASTM C1371 Surface Emittance	> 0.04 New; 0.1 Oxidized in Service; > 0.5 Clear Coat Exterior > 0.8 Pigmented Paint
ASTM C1729	Type I, II & III, Grade 1, Class A, D

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