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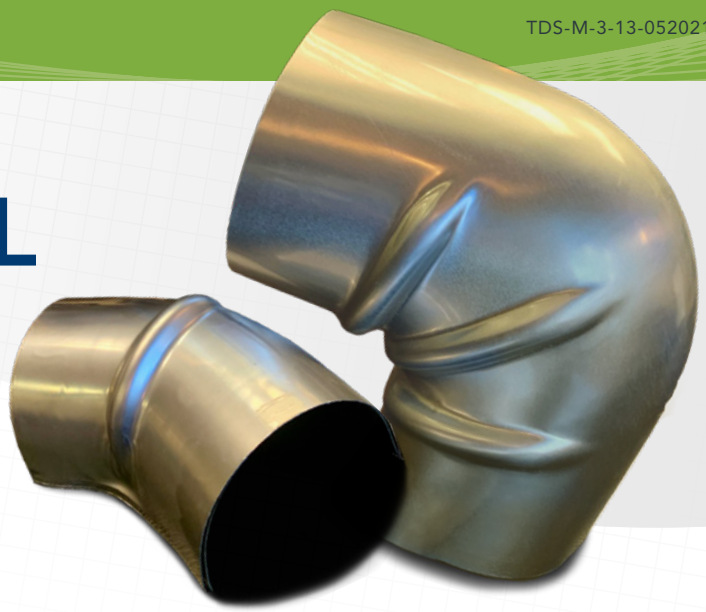
STAINLESS STEEL ELBOWS

WEATHERJACS®



WEATHERJACS®

PRODUCT DESCRIPTION

Ideal Products Stainless Steel WeatherJacs® elbow fitting covers are produced in two half shell sections from Type-304 or Type-316 Stainless Steel, conforming to ASTM A240/A240M standards. WeatherJacs® are precision-formed in a state of the art; computer controlled hydraulic press, which produces two equal half shell pieces in standard long radius 45° & 90° bends. All WeatherJacs® are dimensionally formed in conformance to ASTM C585 and C450 standards.

TYPE 304

Type-304 grade stainless steel is generally regarded as the most common austenitic stainless steel. The high nickel & chromium content give 304 stainless steel excellent corrosion resistance and strength.

TYPE 316

Type-316 grade stainless steel like 304, also contains high amounts of nickel and chromium, but with a significant amount of molybdenum; about 2–3 percent by weight versus only trace amounts in 304, drastically increasing its corrosion resistance properties.

RECOMMENDED USES

Stainless Steel Elbow covers should be considered for areas subject to high mechanical abuse, traffic, fire protection, where corrosion is a factor, and caustic environments.

PRODUCT APPLICATION

In accordance with ASTM C1767, Stainless Steel WeatherJacs® are 2-piece pressed fittings which are pre-formed for 45° & 90° insulated bends designed for thermal, acoustical, and fire protective insulation operating at either above or below ambient temperatures, in both indoor and outdoor locations.

Available sizes range from ½" up through 10" NPS in long radius bends. Ideal Products offers Gore Elbow Covers for larger pipes or custom work.

WeatherJacs® should be installed in accordance with ASTM C1767 and the North American Commercial and Industrial Insulation Standards, unless otherwise specified.

If no specifications are available, Ideal Products always recommends securing WeatherJacs® with seams in a water shed fashion. The use of strapping, screws, or rivets can be used for securement unless otherwise specified. Screws should be with neo-bond washers. When fastening with screws or rivets, the exterior and interior center points should be started first, then working outwards towards the two ends. Owner approved sealant should be used for all joints and overlaps.

PRODUCT COMPLIANCES SUMMARY

ASTM A240/A240M	Standard Specification for Chromium and Chromium-Nickel Stainless Steel	Conforms
GRADE 1	Alloy T-304/T304L, Annealed Temper	Conforms
GRADE 2	Alloy T-316/T316L, Annealed Temper	Conforms
ASTM C1767	Standard Specification for Stainless Steel Jacketing for Insulation	Conforms

ASTM C1767 10.5.2	Thickness of material shall be 0.016 inch (0.406mm)	Conforms
ASTM C450	Standard Practice for Fabrication of Thermal Insulating Fitting Covers for NPS Piping, and Vessel Lagging	Conforms
45 & 90° Bends	Standard Long Radius bends (R = 1.5 x diameter of NPS)	Conforms
ASTM E84	Flame Spread/Smoke Development	25/50 or less