

STAINLESS STEEL SEALS



PRODUCT DESCRIPTION

Ideal Products' Stainless Steel wing seal and closed seal products conform to ASTM A240. Standard alloys for stainless steel banding seals are T304/T304L and T316/T316L. Wing Seals are manufactured to accommodate banding in 1/2" and 3/4" widths and are manufactured in thicknesses of 0.024" standard or 0.032" heavy duty. Closed seals are only available in T304 stainless steel in 0.032" thickness. All wing seals are silver 2B stainless steel.

PRODUCT APPLICATION

Stainless steel seals are the fastening component of banding used to secure stainless steel or aluminum jacketing over insulation where screws are not allowed per the specification. When combined with our in-house manufactured 0.024" thick wing seals or with 0.032" heavy duty seals, banding provides an extra layer of protection for the insulation when securing the metal jacket. Banding is also utilized when jacketing tanks, vessels and round ducts. Quality wing and closed seals allow for proper use of banding tensioners during installation.

PHYSICAL PROPERTIES

FINISHES

SMOOTH (2B MILL & BRIGHT ANNEALED)

SEALS QUANTITY PER THICKNESS AND BANDING TYPE

BANDING TYPE	THICKNESS (in.)	BOX QUANTITY (EA)
1/2" Stainless Steel T304 Wing	.024"	1000 pcs.
1/2" Stainless Steel T304 Wing	.032"	1000 pcs.
3/4" Stainless Steel T304 Wing	.024"	500 pcs.
3/4" Stainless Steel T304 Wing	.032"	1000 pcs.
1/2" Stainless Steel T316 Wing	.024"	1000 pcs.
1/2" Stainless Steel T316 Wing	.032"	1000 pcs.
3/4" Stainless Steel T316 Wing	.024"	500 pcs.
3/4" Stainless Steel T316 Wing	.032"	1000 pcs.
1/2" Stainless Steel T304 Closed	.032"	1000 pcs.
3/4" Stainless Steel T304 Closed	.032"	1000 pcs.

MATERIAL SPECIFICATIONS

ASTM A240	Standard Specification for Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for General Applications
ASTM C1767	Standard Specification for Stainless Steel Jacketing for Insulation
ALLOY	T304/T304L; T316/T316L
TEMPERS	Annealed
THICKNESSES	0.015", 0.020"
MELTING POINTS	T-304: 1400–1450 °C (2552–2642 °F) T-316: 1370–1400 °C (2498–2552 °F)
TENSILE STRENGTH ksi (min.) per ASTM A240	T-304: 75 T-316: 70
YIELD ksi (min.) per ASTM A240	T-304: 30 T-316: 25
ELONGATION % per ASTM A240	T-304: 92 T-316: 95
HARDNESS Rb (max.) per ASTM A240	T-304: 75 T-316: 70
ASTM E84 Flame Spread/Smoke Development	25/50 or Less
ASTM C1371 Surface Emittance	Smooth Bare: >0.15 New ; 0.3 Oxidized in Service

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