

PRECISION FIT™

FABSTRAPS

STAINLESS STEEL & ALUMINUM



PRODUCT DESCRIPTION

The Stainless Steel and Aluminum Fabstraps offered by Ideal Products are meticulously fabricated with an attached wing seal to ensure a precise fit, adhering to the standards set by ASTM C585. The fabrication materials used meet the requirements of ASTM B209 for aluminum and ASTM A240 for stainless steel.

Fabstraps are available in two thickness options: 0.015" and 0.020" for T304 stainless steel, 0.020" for T316 stainless steel, and 0.020" for 3003, 3105, or 5052 aluminum. Both 1/2" and 3/4" widths are available in aluminum and stainless steel variants. Although wing seals are predominantly used, fabstraps can also be manufactured with closed seals when necessary. Wing seals are typically made from 0.024 stainless steel and aluminum, but heavier duty options in 0.032 thickness are available.

To accommodate various applications, Fabstraps are manufactured with a stretch-out length that is at least 3-4" longer than the corresponding cut and curl jacket. The available sizes range from 1 to 100 resulting in stretch-outs of 15" to 322". Fabstraps are conveniently bundled in groups of 10 or 25 for easy handling and distribution.

PRODUCT APPLICATION

Stainless Steel and Aluminum precision fabricated Fabstraps are used to secure insulation on piping systems, cut & curl aluminum or stainless steel jacketing, 45° and 90° insulation elbow covers, duct and tank jackets. Where Fabstraps are used on a stack, the wing seals can be installed by riveting the banding onto itself allowing for added tightening of the jacket.

PHYSICAL PROPERTIES

FINISHES

STAINLESS STEEL SMOOTH (2B MILL) | STAINLESS STEEL SMOOTH (BRIGHT ANNEALED) | STAINLESS STEEL BLUE (SEMI-GLOSS) | STAINLESS STEEL BLUE PRINTED (SEMI-GLOSS) | ALUMINUM SMOOTH (MILL FINISH)

MATERIAL SPECIFICATIONS

ASTM B-209	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM A 240	Standard Specification for Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for General Applications
ALLOY	Stainless Steel: T304/T304L ; T316/T316L Aluminum: 3003/3105/5052
TEMPERS	Stainless Steel: Annealed Aluminum: H14/H24
THICKNESSES	Stainless Steel: 0.015", 0.020" Aluminum: 0.020"
MELTING POINTS	Stainless Steel T-304: 1400 °C to 1450 °C (2552 °F to 2642 °F) Stainless Steel T-316: 1370 °C to 1400 °C (2498 °F to 2552 °F) Aluminum: 660 °C (1220 °F)
ASTM E84 Flame Spread/Smoke Development	25/50 or Less
ASTM C1371 Surface Emittance	Stainless Steel: > 0.15 New ; 0.3 Oxidized in Service Aluminum: > 0.04 New; 0.1 Oxidized in Service
ASTM C1767	Stainless Steel T-304: Type 1, Grade 1, Class E Stainless Steel T-316: Type 1, Grade 2, Class E
ASTM C1729	Aluminum: Type I & II, Grade 1 & 6, Class D & E

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