

Stainless Steel Springs

Product Description/ Specification

The stainless steel springs are used to secure insulation over small or large diameter insulated piping, tanks, vessels and equipment to ensure the securement bands (banding) are in tension throughout the thermal expansion and contraction or other mechanical stresses on the metal strapping / banding. These can be used with strapping width up to 3/4".

Stainless steel Flat (Expansion) Springs:

Design:

Standard length of the expansion spring is 100 mm or 120 mm and the wire diameter is 3mm

The maximum expansion of 4" spring should not exceed 2-1/2" beyond its original length, it is recommended that each spring be stretched 1/2" upon insulation. This allows additional 2" expansion capability per spring

Stainless Steel Mity (Compression) Springs:

Design:

Standard Mity springs can provide up to 78 lbs/inch (0.5378 N/mm²) of compression and can be used with strapping widths up to 3/4" (19mm). The standard size is 25mm wide X 150mm long. They can be attached to 1.5mm plates to suit wider banding such as 1" (25mm). When Excessively high winds are a factor, or compression exceeds 78 lbs/inch, super mity springs are used, these exhibit 300lbs/inch (2.068 N/mm²) compressive strength

Mity Springs to be used with 40 mm banding can also be manufactured on request.

Springs are mainly manufactured in 304 or 316 grade of stainless steel to following specifications: Austenitic Stainless Steel ASTM A240/ ASTM A167/ EN 10088-5

Quality:

We are committed to offering quality product with service which is second to none. We operate on ISO 9001 management system and all our materials are produced to meet relevant ASTM /BS EN /DIN standards.

Further information on Mechanical and chemical properties of stainless steel used can be supplied on request.

Safety:

There are no known health risks in handling stainless steel, although it is recommended that gloves should be worn in case of sharp edges. Good lifting practice techniques should always be followed when handling these products.



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