



# AMITY INSULATION GROUP INC.

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## STAINLESS STEEL SPRINGS

### Characteristics

Amity Insulation supplies stainless steel springs that are manufactured in type 302, 304 or 316 grades of stainless steel to the following specifications: Austenitic Stainless Steel ASTM A240 / ASTM A167 / EN 10088 parts 4 and 5.

These springs are used to secure insulation over small or large diameter insulated piping, tanks, vessels and equipment to ensure the stainless steel banding is secured throughout the thermal expansion and contraction or other mechanical stresses on the metal strapping / banding.



### Physical Attributes



**Flat (Expansion) Springs:** These springs are commonly known as flat, expansion or chill springs and have a standard length of 4" (100mm) with a wire diameter of 0.12" (3mm). The maximum expansion should not exceed 2-1/2" beyond its original length. It is recommended that each spring be stretched 1/2" upon installation which subsequently allows 2" expansion capability per spring. Double breather springs are available when expansion requirements exceed the attributes of the standard flat 4" spring.

**Mity (Compression) Springs:** These springs can provide up to 78 lbs/inch of compression and can be used with banding widths up to 3/4". The standard size is 1" wide x 6" long. When excessively high winds are a factor, or compression exceeds 78 lbs/inch, super mity springs are available and these can exhibit 300lbs per inch.



The springs noted above can be used with banding width up to 3/4".

We are committed to offering superior service to accompany the high quality ISO 9001 supplied materials that we supply. Please contact your sales representative at Amity Insulation Group Inc. for further information if required.

DATA SHEET

