Stainless Steel Braiding

(Order No: CC-BRSS-[diameter])

Description

Stainless steel wire interwoven to provide a thatched hose stocking. The braid can be supplied loose or fitted directly on to other products by processing through the braiding machine. The braid is generally supplied with a circular bore but will tend to mould over the shape of the item being braided.

Materials of Construction

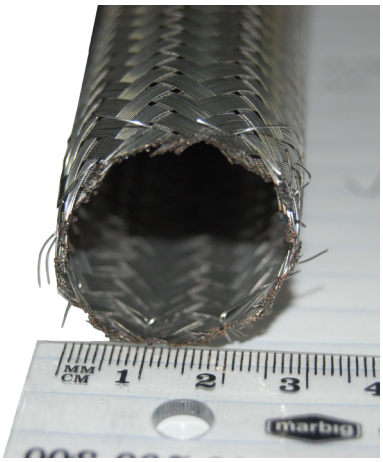
AISI 304

Nominal Bores

From 7mm to 300mm - the bore is measured when the braid is in its natural state at rest. The nominal bore of braid, by its construction, is able to be manipulated from its original bore by enlarging (pushing the braid together longitudinally) or reducing (by stretching it).

Weave of Braid

Each thatch of wire can consist of between 1 and 14 wires, providing from a very open weave through to a full coverage weave of braid. Production capability includes 16, 32, 48 and 96 Carrier braiders so between 16 and 1344 individual strands of wire can be utilised.



Wire Thickness

Standard - 0.24, 0.32, 0.40, 0.50, 0.60mm.

Other thicknesses available on special order and for sufficient quantities.

Supply Lengths

Up to 100 metres and over depending upon the braid diameter. Minimum length 10 metres.

Bend Radius

Steel braiding will provide protection and support for the item being braided but by nature of its construction, it will not significantly reduce the bend radius and handling characteristics of the core product.

Pressure Enhancement Applications

For applications where the braid is being used to enhance the pressure capability of another product (eg metal, rubber or plastic hose), it is recommended that for optimum results, a full coverage wire thatch should be braided directly on to the product for maximum tightness. The selection and use of the correct braiding angle (the angle of the wires in relation to the centre line of the hose) is of vital importance in achieving optimum performance.

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