

Spiral Wrap Hose Clamps

Spiral wrapped hose has been a difficult product to connect and seal in the past ... until now ...

Invented and perfected by our Managing Director the Spiral Wrap Hose Clamp is the perfect clamp for spiral hose.

A wire clamp which is squeezed together by tightening the nut and bolt available in W1 and W4 materials.

Left and right hand spiral hose is accommodated with various nut configurations available such as Aerotight and Staytite.

- Made to measure clamps matching diameter with its helix pitch.
- Manufactured from round wire to give smooth direct contact with its mating surface.
- Almost 2 coils of contact which provides an improved uniformity of clamping force all about the periphery of the spiral hose.
- Uniform spiral along its length, at any given point the cross section is circular.
- Almost any sizes available!
- Manufactured on current CNC wire forming machines which enables small production batch sizes.
- Sizes 32mm to 160mm available.

Clamp specification is by:

- Hose I/D & pitch
- Right or left hand spiral
- If for other than PVC Hose the wall thickness would be required.

Side view:

- The inclination of the arms (16 & 18) in opposing directions is important. It enables the centres of the apertures (20) to lie directly above the radially inward point of the inbound coil (C).

On application:

- The clamp is wound onto the spiral hose and located in the valleys between the ribs of the spiral hose.
- When clamping force is applied the clamp provides an improved uniformity of clamping force all about the periphery of the spiral hose.

Wire/Band Clamp:

Bridge Worm Drive Hose Clamps and Heavy Duty Clamps can be used on a spiral hose.

Why would you want to change?

Band clamps.....

- The Bridge on these modified clamps cannot be varied to accommodate the wide range of pitches and valley heights used in this Industry. The Spiral Wrap Hose Clamp can accommodate more various hoses.
- The modified worm drive clamps flat metal construction does not always fit snugly into the mostly tapered valley design of spiral wrap hose.
- It can be seen from above that our clamp design overcomes these short comings with direct fully circumferential contact.

