

CHOOSING THE RIGHT CLAMP

Matching the clamp to the hose

HCL's comprehensive range of clamping products provides the solution to a wide variety of applications. The following section can be used to match these clamps to particular hose types.

It is important to match the clamping strength of the hose clamp with the sealing capabilities of the hose and pipefitting. A hose clamp with inadequate strength may allow leakages, whilst a hose clamp with excessive strength may distort and damage the hose or fitting.

- Find the hose below, which is most suitable to the application.
- Refer to the Bar Chart for each product, to compare the relative performance of the suitable clamps.
- Thick rubber hoses may require a compensating clamp to adjust to shrinkage over time and maintain adequate compression.
- For more advice on choosing the correct clamp, please contact HCL.



Polypropylene rigid hose

Suitable Clamps:

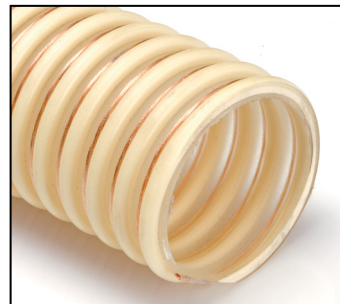
- Herbie Clip*
- Ezyklik™-M
- Double Wire Spring
- Worm Drive
- Mini Screw
- Double Wire Screw



Silicone hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Worm Drive
- Mini Screw
- Double Wire Screw



PVC Semi Rigid Spiral hose

Suitable Clamps:

- Worm Drive
- Double Wire Screw
- Bolt & Barrel
- T-Bolt
- Worm Drive Super Torque



PVC helix reinforced hose

Suitable Clamps:

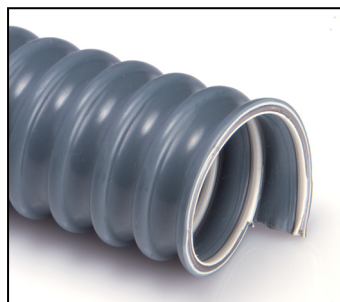
- Worm Drive
- Double Wire Screw
- Bolt & Barrel
- Worm Drive Super Torque



PVC helix wire reinforced hose

Suitable Clamps:

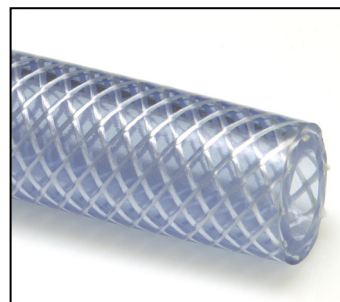
- Worm Drive
- Double Wire Screw
- Bolt & Barrel
- Worm Drive Super Torque



PVC spiral low pressure hose

Suitable Clamps:

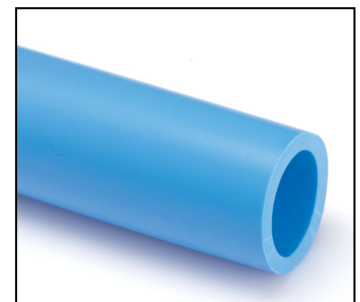
- Double Wire Spring
- Worm Drive
- Double Wire Screw



PVC soft braided reinforced hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Worm Drive
- Mini Screw
- Double Wire Screw



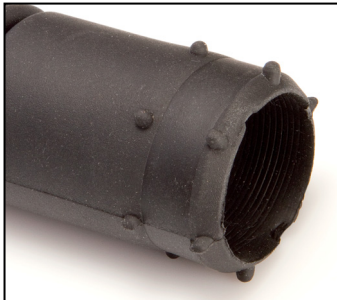
PVC hard hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-M
- Zero Leak Ear
- Worm Drive
- Mini Screw
- Worm Drive Super Torque

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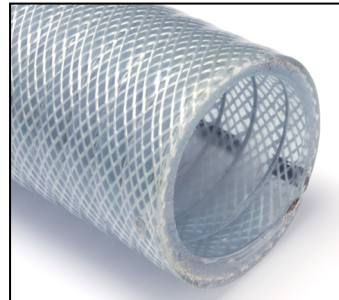
Matching the clamp to the hose



Rubber low pressure hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Worm Drive
- Mini Screw
- Double Wire Screw
- Metal Tie - various



PVC braided and steel reinforced hose

Suitable Clamps:

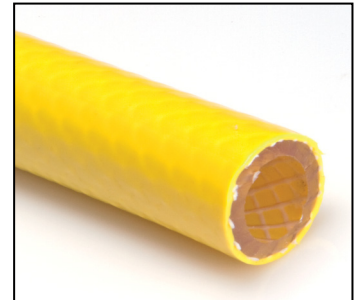
- Worm Drive DIN 3017 - 12mm
- Bolt & Barrel
- T-Bolt
- Worm Drive Super Torque



Rubber gas hose

Suitable Clamps:

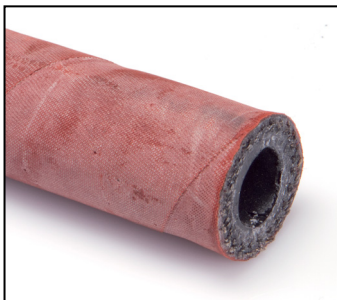
- Herbie Clip*
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Mini Screw
- Worm Drive
- Double Wire Screw



PVC braided reinforced hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Worm Drive
- Mini Screw
- Double Wire Screw



Rubber reinforced high pressure hose

Suitable Clamps:

- Ezyklik™-M
- Worm Drive DIN 3017 - 12mm
- Bolt & Barrel
- Worm Drive Super Torque
- Preformed



Rubber coolant hose

Suitable Clamps:

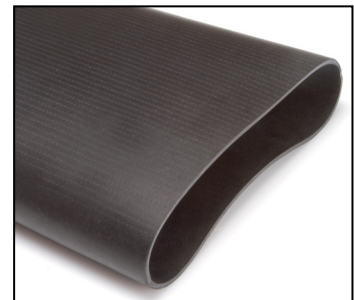
- Ezyklik™-M+
- Double Wire Spring
- Worm Drive
- Double Wire Screw
- Worm Drive Super Torque
- Preformed



Rubber air induction hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Zero Leak Ear
- Double Wire Spring
- Worm Drive
- Worm Drive Super Torque



Rubber flat hose

Suitable Clamps:

- Herbie Clip*
- Ezyklik™-P
- Ezyklik™-M
- Worm Drive
- Metal Tie - Various
- Bolt & Barrel
- Worm Drive Super Torque

Choosing the right diameter:



Hose clamps come in a range of diameters, so it is important to choose the correct size. The following points will help you in selecting the right diameter hose clamp:

- Only measure the outside diameter of the hose when it has been pushed onto the end of the pipe fitting, as often there will be expansion at this point.

- Once the outside diameter has been measured, check the dynamic range of the hose clamp to ensure that it can be tightened to the correct size. An allowance should be made for the compression of the hose.
- Ideally, the required diameter will be close to the mid-range of the selected hose clamp. However, if this is not possible, or the hose clamp has a narrow dynamic range; it is advised to obtain sample sizes above and below the selected size, due to the difficulty in determining the required hose compression.