

## SEALS AND SEALING WIRE

Over many years, lead seals and lashed sealing wire have become standard within the fuel handling industry. They are commonly used for sealing valves on fuel depots, fuel tanker discharge points and tank top fittings such as dip tubes and inspection lids, fuel retention sample containers, and many other areas where it is necessary to demonstrate that the fuel has not been tampered with. The lashed wire is passed through the item to be secured, formed into a loop and threaded through the holes in the seal. The seal is compressed using special pliers which can also carry a discrete identifying mark for additional security, and there is then no way of opening the loop without breaking the wire or seal. Aljac Fuelling Components now holds lead seals and sealing wire in stock ready for same day despatch. The seals are of two basic configurations as shown below.

However, due to the environmental impact of lead there has been an increasing trend towards the use of plastic seals. The range is slightly more limited but we stock two basic types, the Standard type which is exactly the same as the equivalent lead seal and is used in exactly the same manner. The other type is the Griptie seal. This works on a different principle to the traditional seal types. Each seal is sequentially numbered, and the serrated stem of the seal is passed through a small opening and cannot be removed once inserted.



The following seals are available from stock in bags of 1000 seals per bag.

Part Number	Material	Seal Type	Diameter (mm)	Thickness (mm)	Hole Size (mm x mm)	Weight (Kg/1000)
0902000210	Lead	Standard	10.0	4.5	2.5 x 2.2	2.5
0902000220	Lead	Standard	12.0	5.5	3.2 x 3.4	3.6
0902000230	Lead	Standard	14.0	6.5	4.0 x 3.5	7.2
0902000211	Lead	Cross Hole	11.0	6.8	2.5 diameter	3.7
0902000270	Yellow ABS	Standard	10.0	4.5	2.0 x 1.6	0.1
0902000260	Nylon	Griptie	N/A	N/A	N/A	7.5

### Sealing Wire.

We are able to supply Copper or Galvanised Steel lashed sealing wire from stock for use with our range of lead and plastic seals. The wire is supplied wound onto a plastic bobbin, or alternatively bundles of pre cut lengths are available for the fine lash Galvanised Steel wire



Part Number	Description	Packing	Approx. Length	Wire Diameter (mm)		
				Core	Lash	Outside
0902000300	Fine lash Galvanised Steel	0.5 Kg coil on plastic bobbin	170 metres	0.50	0.30	1.10
0902000320	Fine lash Galvanised Steel	1000 x 200mm cut lengths	200 metres	0.50	0.30	1.10
0902000322	Fine lash Galvanised Steel	1000 x 400mm cut lengths	400 metres	0.50	0.30	1.10
0902000310	Medium lash Galvanised Steel	0.5 Kg coil on plastic bobbin	70 metres	0.70	0.45	1.60
0902000315	Medium lash Copper	0.5 Kg coil on plastic bobbin	70 metres	0.70	0.45	1.60

If you require other types of seals or wire please contact our Sales Department.

### Sealing Pliers.

In order to compress Standard or Cross Hole lead or plastic seals it is necessary to use special sealing pliers. The pliers are of a heavy duty construction and are fitted with replaceable plain dies as standard. Two sizes of pliers are available as appropriate to the size of the seal being compressed.

**Sealing Pliers, for 10 to 12mm diameter Standard seals.**

Part No. 0902000360.

**Sealing Pliers, for 14mm Standard seals and 11mm Cross Hole seals.**

Part No. 0902000380.



Alpha numeric characters can be engraved onto the dies on request. The characters are then transferred to the seal when it is compressed and identify which set of pliers (and so which operator) carried out the sealing operation.



### Locking Wire.

It is common practice in the aviation refuelling industry to apply Locking Wire to the securing screws of critical components in order to ensure that they are not able to come loose under vibration. This practice is always employed when securing the hose end refuelling coupling Quick Disconnects. Our locking wire is 0.7mm diameter annealed (softened) Stainless Steel and dispenses neatly from a 1/2Kg (approx) tub.

Part Number 0902000330.

### Wire Twisting Pliers.

A neat, convenient and quick way to finish twist Locking Wire is to use purpose designed Wire Twisting Pliers.

We hold pliers in stock for this purpose.

Part Number 0902000350.

