

# Flexible Hose & Coupling

## 6. Installation of Flexible Hose

### Avoid torque.

Do not twist the hose assembly during installation when aligning the bolt holes in a flange or in mating up pipe threads. The utilization of lap joint flanges or pipe unions will minimize this condition. It is recommended that two wrenches be used in making the union connection: one to prevent the hose from twisting and the other to tighten the coupling.

### Prevent out-of-plane flexing in an installation.

Always install the hose so that the flexing takes place in only one plane - this being the plane in which the bending occurs.

### Avoid over bending.

The repetitive bending of a hose to a radius smaller than the radius listed in the specification tables for corrugated hose will result in early hose failure. Always provide sufficient length to prevent over-bending and to eliminate strain on the hose.

### Avoid careless handling of the hose assembly.

Always lift or carry metal hose to prevent abrasion damage particularly to braided corrugated hose. Store metal hose assemblies away from areas where it can be subjected to spillage, corrosive fumes or sprays, weld splatter, etc.

### Always support the piping.

A piping system which utilizes metal be properly anchored and / or guided. Always support the piping to prevent excessive weight from compressing the hose and relaxing the braid tension.

INCORRECT



