

end connections rubber hose

attachment methods

The end fittings/couplings for a rubber hose can be attached either by strapping, clamping or crimp swaging.

In each case, the tail of the fitting is inserted inside the hose. With strapping, generally two metal straps are put around the circumference of the hose and manually tensioned to clamp the hose down on to the hose tail. With clamping, a clamp with bolts is used and manually tightened with a spanner to clamp the hose down. Whilst with crimp swaging, a metal crimp collar (ferrule) is placed over the end of the hose and the collar is crimped down mechanically, trapping the hose between the crimp collar and the hose tail.

Strapping



Clamping



Crimping



attachment methods con't

The strapping and clamping methods are ideal for site assembled hoses and where a mechanical crimp swaging machine is not available, however the workshop assembled crimp swage method provides a more consistent attachment with the added advantages of being less bulky (no protruding bolts and buckles) and providing a better appearance. The clamping method should only be used on the lower pressure applications.

Radcoflex can provide all three attachment methods, or the means to perform all three.

pressure capabilities

Care must be taken that the end fitting to be attached to the hose has as high a pressure rating as that of the hose. Note - the applicable pressure rating of a complete assembly will be the lower of the hose or the end fitting. Aluminium camlocks for example have quite low ratings.

end fittings/couplings

Almost any fitting with a barbed hose tail can be attached to a rubber hose. In most cases, fittings with an appropriate tail are readily available. In the remaining few cases, a fitting can be fully fabricated or attached to a standpipe tail.

Radcoflex carries a range of regularly used fittings in stock. Please contact your Radcoflex Sales Office for these and if special fabricated fittings are required.