

Couplings

General Information

Safety Information

Choosing the correct coupling is important for maximum hose efficiency and safety. Couplings must be applied properly. Incorrect or improperly applied couplings can result in shorter hose life and hose failures. These failures can result in serious bodily harm or property damage.

Hose couplings have been carefully engineered over the years to meet specific safety requirements.

Some factors you should consider when choosing the proper coupling for a particular application are:

1. What is the material to be handled?
 - a) Is it dangerous?
 - b) Is it corrosive?
 - c) Is it abrasive?
2. What are the pressures involved?
 - a) High pressure
 - b) Medium pressure
 - c) Low pressure
 - d) Suction
3. What means of connection are required?
 - a) Threads
 - b) Special locking
 - c) Flanged ends

When selecting couplings, the end user should inform the distributor of the application and pressures involved when ordering hose assemblies, and it's up to the distributor to supply the right hose and coupling for that application.

All hose assemblies should be treated with respect as potential hazards. Fittings, clamps or clips should be checked on a regular basis, and removed from service if damaged.

Shank length of coupling should be 1-1/2 times the inside diameter of the hose.

Combination nipples should only be used for suction and low pressure discharge applications.

WARNING: Consult with the Coupling Manufacturer to make sure you choose the correct coupling and proper assembly for the application. Such matching of hose and couplings, and assembling of couplings, should be performed only by trained personnel using proper tools and procedures. Failure to follow manufacturer's instructions or failure to use trained personnel may result in serious bodily injury and/or property damage.

Short Shank



- Service:** Low pressure air and water service
- Size Range:** 3/16" to 1"
- Description:** Cast brass with serrated shank; GHT, NPSM or NPT male and NPSH female; washer seal
- Attachment:** Clamps or bands

Long Shank



- Service:** Medium pressure air, water, sanitary and liquids in suction or discharge service
- Size Range:** 3/8" to 4"
- Description:** Machined steel or brass with serrated shank; NPT or NPSM male and female; thread seal to NPT and washer seal to NPSM female Attachment Bands or clamps