



Glossary of Terms

A

ANSI	American National Standards Institute, Inc.
API	American Petroleum Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
Anodize	A process for aluminum, similar to zinc or chrome plating steel, in which an aluminum part is electrically charged then, dipped in various chemicals to produce various colors and/or surface hardness.

B

Burst Pressure	The pressure at which rupture occurs.
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C

Chamfer	To cut an angle on the hose tube aid in stem insertion and to prevent the hose end from flaring when a stem is inserted.
Clamp	A metal fitting, band or wire used around the outside of a hose end to secure a coupling, fitting or nipple.
Cold Flow	Continued deformation or movement of rubber under stress.
Compression Set	The deformation that remains in rubber after it has been subjected to and released from stress such as a clamp. The longer the stress is maintained the more definitive the deformation.
Coupling	A device at the end or ends of a length of hose that allows a connection to be made.
Crimping	The act of forming the metal sleeve or ferrule of a hose fitting with a surrounding series of die segments to compress the hose within the fitting. The crimping process changes the shape of the entire circumference and length simultaneously. Often interchanged with the term "swaged".

D

Durometer	An instrument for measuring the hardness of rubber.
Durometer Hardness	A numerical value which indicates the resistance to indentation of the blunt indenter of the durometer.

E

Elastomer	Any of various elastic substances resembling rubber.
Expansion Ring	Typically refers to a type of fire hose couplings that are attached by expanding a sleeve (usually brass) outward to compress the hose against the wall of the bowl of the coupling.
External Swage (Swaging)	A ferrule is passed through a reducing die, usually split, to bring the ferrule O.D. down to a predetermined size (for proper coupling retention) forcing the hose tube down into the stem serrations.

F

Ferrule	A collar placed over a hose end to attach the fitting to the hose. The ferrule may be crimped or swaged, forcing the hose against the shank of the coupling, or the shank may be expanded, forcing the hose out against the ferrule, or both.
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