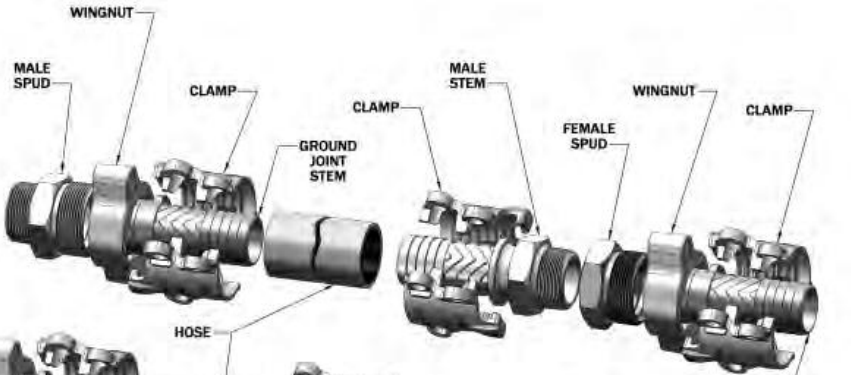
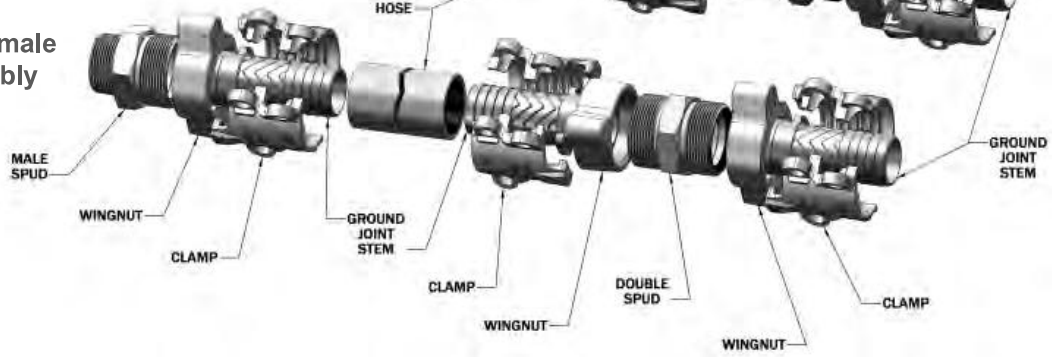
"Boss" Coupling System

PURPOSE: Boss couplings supply a convenient threaded fitting needed to connect two lengths of hose, or a single length to a male or female threaded (NPT/ BSP) outlet.
FEATURES: The spud part of the coupling serves as one half of the connection and is usually fixed to the equipment. The stem part that is clamped to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut on the spud. When connected, they achieve a mechanical as well as a pressure seal.
SERVICES: Boss couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum chemicals and liquid petroleum gas up to 1" ID. Boss couplings can be applied to many types of rubber, synthetic, plastic, metallic or semi-metallic hose. Consult your local Dixon branch for specific media capabilities.

Female X Male Hose Assembly



Female X Female Hose Assembly



HOSE FITTINGS
Page 11 - 30

"Boss" Technical Information

Boss Couplings Working Pressure Ratings						
Size	Air		Water		Steam	
	psi	MPa	psi	MPa	psi	MPa
¼" to 2"	600	4.1	600	4.1	250	1.7
2½" and 3"	450	3.1	450	3.1	250	1.7
4" and 6"	250	1.7	250	1.7	250	1.7

	¼" to 1" include	1½" to 6" include
stems	plated steel	plated malleable iron through 100 mm tubular steel - 150 mm
spuds	plated steel	plated malleable iron
wing nuts	plated malleable iron	plated malleable iron

GROUND JOINT
Positive Metal-to-Polymer Seal

- A leakproof seal is formed when the metal head of the stem makes contact with the patented polymer seat in the spud.
- The non-metallic polymer seat resists most chemicals found in manufacturing facilities.
- Recommended for steam service up to 230° C.
- Easy to seal.
- Plated steel and/or malleable iron.
- Use with Dixon Boss Clamps in this catalogue.

Washer Type

- A Klinger washer is inserted between the stem and spud.
- A leak proof seal is formed by rotating the wing nut and hammering it tight.
- Plated steel and/or malleable iron.

SAFETY ALERT

Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated.