

CampbellCrimpnology™ offers hose assembly systems for your high-pressure steam and air applications



Smooth End Detail

Interlock Groove

VITON SEAL GROUND JOINT COUPLINGS, AIR HAMMER COUPLINGS, AND MALE STEMS

Features & Benefits

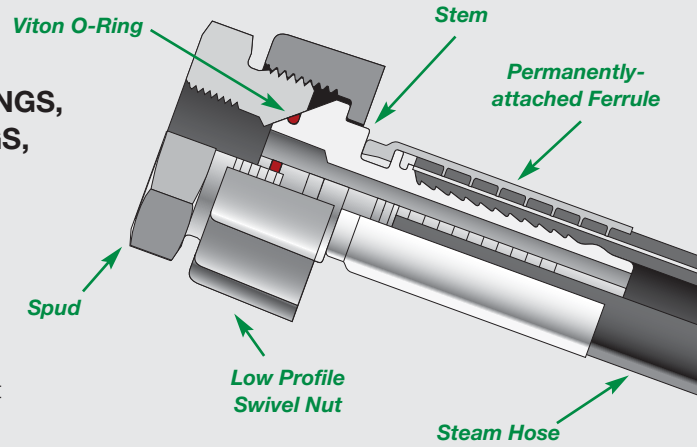
- Viton Seal Couplings pass 1000 hour MIL-H-29210 steam test.
- Eliminates leaks with nut hand tightened.
- Viton seal (formulated by DuPont for high pressure steam and air applications) is protected inside machined stem groove and by swivel nut, extending working life.
- Spud does not contain plastic seat, extending working life.
- Interchangeable with old-style domestic ground joint couplings.



- Machined hose ends with smooth end detail to reduce potential failure due to abrasion - grips, seals, and protects hose.
- Interlock groove locks ferrule into place for superior holding power.
- Crimped assemblies are low profile and eliminate sharp edges from bolts.
- Machined from carbon steel, cast ductile iron (meets ASTM A395 specification), and 316 stainless steel.

Recommended hose attachment

- Interlocking ferrules
- Interlocking U-bolt clamps (Page 21)



Swivel Interlocking Male Stem

- Designed for use with steam.
- Available with staked ferrule for crimped steam applications.
- Allows end-user easy connection into plant facilities.

Staked-On Ferrule for steam hose

Designed specifically for certain hose brands. Check with factory for information.

- Crimped steam assemblies eliminate the need for retightening bolts.
- Eliminates leaks, cuts costs caused by leaky clamps.
- Ferrule serrations bite to the wire achieving electrical continuity.
- Meets 250 PSI pressure rating for steam applications.

INTERLOCKING U-BOLT CLAMPS

Features & Benefits

- 360° design wraps completely around hose for superior retention.
- Clamps fit hoses tightly without cracking, eliminating costly rework.
- Bolts on “up side” allow easier tightening/re-tightening and improve “dragability”.
- Field repairable.

MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1

| Hose System Components | | | Hose Size | | | | | | | | | | |
|---------------------------------------------------------|----------------|------------------------|-----------|------|------|-------|-------|------|-------|-----|-----|---|---|
| Fitting/Coupling | Attachment | Hose Type ² | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 |
| Viton Ground Joint/Air Hammer Cplg Male Stem and Mender | U-Bolt Clamp | Rubber/Steam | 1500 | 1250 | 1250 | 1250 | 1250 | 1250 | 800 | 500 | 500 | - | - |
| | U-Bolt Clamp | Rubber/Steam | 1500 | 1250 | 1250 | 1250 | 1250 | 1250 | 800 | 500 | 500 | - | - |
| Viton Ground Joint Coupling | Staked Ferrule | Steam | 1250 | 1250 | 1250 | - | - | - | - | - | - | - | - |
| Viton Ground Joint/Air Hammer Cplg Male Stem | Long Ferrule | Rubber | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 650 | 400 | 400 | - | - |
| | Long Ferrule | Rubber | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 650 | 400 | 400 | - | - |
| | Staked Ferrule | Steam | 1250 | 1250 | 1250 | - | - | - | - | - | - | - | - |

See footnotes 1 and 2 on Page 1



FERRULES
for ground joints



Plated Steel

| hose size | ferrule i.d. | part number | list each |
|------------------|---------------------|--------------------|------------------|
| 1/2 | 1 | FPS050100S | 7.48 |
| 1/2 | 1-4/64 | FPS050104S | 7.48 |
| 1/2 | 1-8/64 | FPS050108S | 7.48 |
| 3/4 | 1-16/64 | FPS075116 | 7.48 |
| 3/4 | 1-20/64 | FPS075120 | 7.48 |
| 3/4 | 1-24/64 | FPS075124 | 7.48 |
| 3/4 | 1-28/64 | FPS075128 | 7.48 |
| 3/4 | 1-32/64 | FPS075132 | 7.48 |
| 1 | 1-32/64 | FPS100132 | 9.86 |
| 1 | 1-36/64 | FPS100136 | 9.86 |
| 1 | 1-40/64 | FPS100140 | 9.86 |
| 1 | 1-44/64 | FPS100144 | 9.86 |
| 1 | 1-48/64 | FPS100148 | 9.86 |
| 1 | 1-52/64 | FPS100152 | 9.86 |
| 1-1/4 | 1-52/64 | FPS125152L | 13.21 |
| 1-1/4 | 1-56/64 | FPS125156L | 13.21 |
| 1-1/4 | 1-60/64 | FPS125160L | 13.21 |
| 1-1/2 | 1-60/64 | FPS150160L | 15.81 |
| 1-1/2 | 2 | FPS150200L | 15.81 |
| 1-1/2 | 2-4/64 | FPS150204L | 15.81 |
| 1-1/2 | 2-8/64 | FPS150208L | 15.81 |
| 1-1/2 | 2-12/64 | FPS150212L | 15.81 |
| 1-1/2 | 2-16/64 | FPS150216L | 15.81 |
| 1-1/2 | 2-20/64 | FPS150220L | 15.81 |
| 1-1/2 | 2-24/64 | FPS150224L | 15.81 |

| | | | |
|-------|---------|------------|-------|
| 2 | 2-32/64 | FPS200232L | 19.20 |
| 2 | 2-36/64 | FPS200236L | 19.20 |
| 2 | 2-40/64 | FPS200240L | 19.20 |
| 2 | 2-44/64 | FPS200244L | 19.20 |
| 2 | 2-48/64 | FPS200248L | 19.20 |
| 2 | 2-52/64 | FPS200252L | 19.20 |
| 2 | 2-56/64 | FPS200256L | 19.20 |
| 2 | 2-60/64 | FPS200260L | 19.20 |
| 2-1/2 | 3-8/64 | FPS250308L | 26.40 |
| 2-1/2 | 3-12/64 | FPS250312L | 26.40 |
| 2-1/2 | 3-16/64 | FPS250316L | 26.40 |
| 2-1/2 | 3-20/64 | FPS250320L | 26.40 |
| 2-1/2 | 3-28/64 | FPS250328L | 26.40 |
| 3 | 3-36/64 | FPS300336L | 27.07 |
| 3 | 3-40/64 | FPS300340L | 27.07 |
| 3 | 3-44/64 | FPS300344L | 27.07 |
| 3 | 3-48/64 | FPS300348L | 27.07 |
| 3 | 3-52/64 | FPS300352L | 27.07 |
| 3 | 3-56/64 | FPS300356L | 27.07 |
| 3 | 3-60/64 | FPS300360L | 27.07 |
| 3 | 4 | FPS300400L | 27.07 |
| 4 | 4-40/64 | FPS400440L | 36.75 |
| 4 | 4-44/64 | FPS400444L | 36.75 |
| 4 | 4-48/64 | FPS400448L | 36.75 |
| 4 | 4-52/64 | FPS400452L | 36.75 |
| 4 | 4-56/64 | FPS400456L | 36.75 |
| 4 | 4-60/64 | FPS400460L | 36.75 |
| 4 | 5 | FPS400500L | 36.75 |
| 4 | 5-4/64 | FPS400504L | 36.75 |

These ferrules should never be used for steam applications

For a complete listing of all Ferrules and Sleeves, go to Section G.