

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

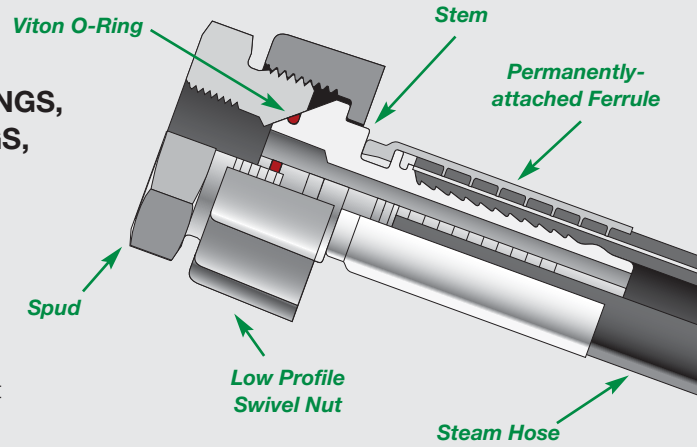
- Viton Seal Couplings pass 1000 hour MIL-H-29210 steam test.
- Eliminates leaks with nut hand tightened.
- Viton seal (formulated by DuPont for high pressure steam and air applications) is protected inside machined stem groove and by swivel nut, extending working life.
- Spud does not contain plastic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



WING NUT



Ductile Iron

size	part number	list each
3/4	HN-3	12.60
1	HN-3	12.60

DOUBLE SPUD



Steel

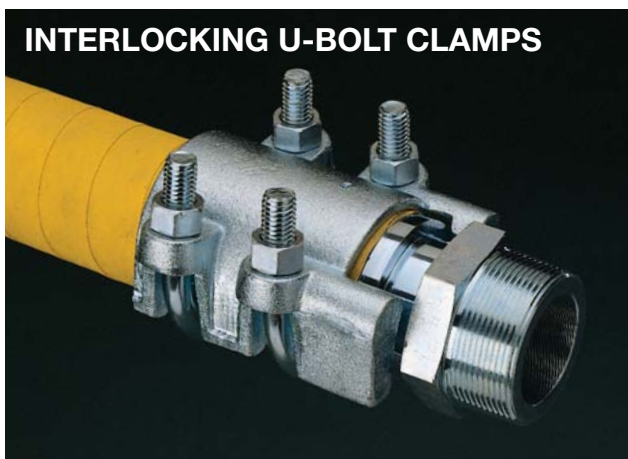
size	part number	list each
3/4	HDS-3	31.13
1	HDS-3	31.13

DEAD END



Steel

size	part number	list each
3/4	HDC-3	62.61
1	HDC-3	62.61

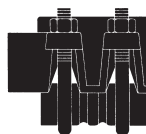


SINGLE U-BOLT



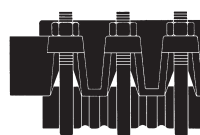
hose o.d. min	hose o.d. max	hose size	part number	list each
13/16	1-1/32	1/2	IC-2	7.32
1-1/16	1-1/4	3/4	IC-3S	9.15
1-3/32	1-3/8	3/4	IC-3	9.08

DOUBLE U-BOLT



hose o.d. min	hose o.d. max	hose size	part number	list each
1-5/16	1-1/2	1	IC-4	17.14
1-1/2	1-11/16	1	IC-4L	17.14
1-9/16	2	1-1/4	IC-5	30.71
1-15/16	2-3/16	1-1/2	IC-6	29.80
2-3/16	2-3/8	1-1/2	IC-6L	25.91
2-11/32	2-11/16	2	IC-8	35.81
2-11/16	2-15/16	2	IC-8L	30.48
3	3-9/32	2-1/2	IC-10	45.42
3-9/32	3-9/16	2-1/2	IC-10L	62.49

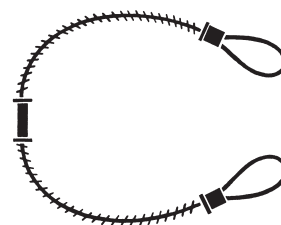
TRIPLE U-BOLT



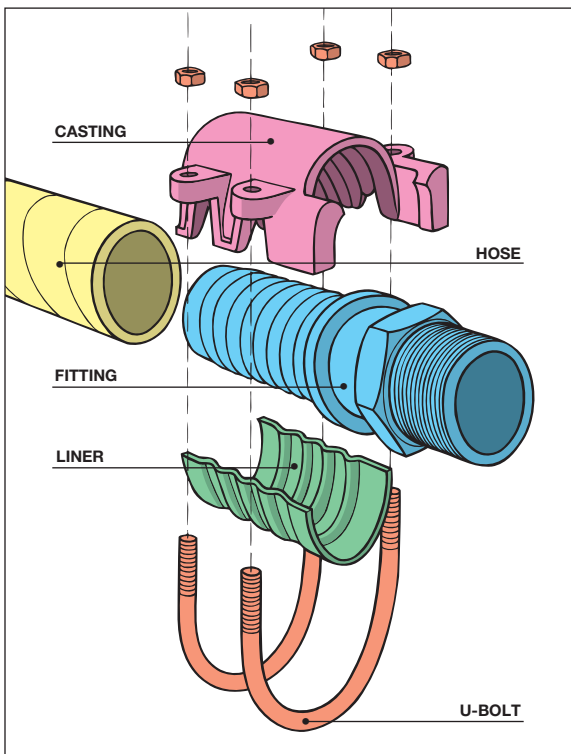
hose o.d. min	hose o.d. max	hose size	part number	list each
3-5/16	3-3/4	3	IC-12S	70.09
3-11/16	4-1/8	3	IC-12	74.53
4-1/16	4-1/2	3	IC-12L	109.71
4-5/16	4-3/4	4	IC-16S	210.34
4-11/16	5-1/8	4	IC-16	210.34
5-1/16	5-1/2	4	IC-16L	344.93

For your convenience, clamps are available bulk packed, upon request. Bulk pack price is the same as listed above. (IC-2 through IC-4L are packed 25 pieces per carton. IC-5 through IC-8L are packed 10 per carton.)

WHIP CHECK SAFETY CABLE (hose to hose)



hose size	part number	list each
1/2	WC-1	20.66
3/4	WC-1	20.66
1	WC-1	20.66
1-1/4	WC-2	34.27
1-1/2	WC-2	34.27
2	WC-2	34.27



This 2" 1000 psi rated hose exploded in a test at 5200 psi. The hose exceeded its minimum 4X safety factor. The fitting and clamp exceeded the capacity of the hose.