IDEAL TRIDON GROUP

Campbell Fittings

Product Catalog



THE LEADER IN HOSE SYSTEMS TECHNOLOGY

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Campbell Fittings

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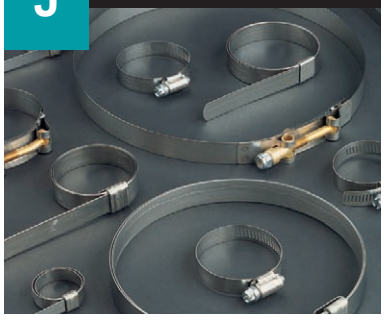
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IDEAL TRIDON

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Campbell Coupling Selection Guide

From the Selection Guide below, choose an appropriate coupling based on the hose type and application working pressure.

Hose construction will affect the working pressure of a hose system. The following chart outlines the maximum working pressure of each Campbell coupling based on the type and size of hose used, as well as the attachment and identifies the Campbell catalog section in which the coupling can be found.

	Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) Hose Size													
	Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
A	Combination Nipple	Short Sleeve	Rubber	400	350	300	275	250	225	225	225	175	175	175	150	125	100
	Combination Nipple	Short Sleeve	Chemical	200	200	200	140	130	120	110	100	50	-	-	-	-	-
	Combination Nipple	Short Sleeve	PVC	150	125	100	90	85	65	60	55	40	-	30	20	-	-
	Suction Coupling (domestic)	Short Sleeve	Rubber	-	-	-	275	250	225	210	200	175	-	150	100	-	-
	Suction Coupling (domestic)	Short Sleeve	PVC	-	-	-	90	85	65	60	55	40	-	30	20	-	-
	Ball & Socket Coupling [3,6]	Short Sleeve	Rubber	-	-	-	-	-	300	-	250	225	-	140	60	-	-
	Ball & Socket Coupling [3,6]	Short Sleeve	PVC	-	-	-	-	-	170	-	140	100	-	80	50	-	-
B	Crimpnology Nipple	Ferrule	Chem/Rubber	-	-	500	350	325	300	275	250	250	250	225	175	-	-
	Crimpnology Nipple	Ferrule	Soft	-	-	200	175	150	150	125	100	75	65	50	20	-	-
	Long Crimpnology Nipple	Long Ferrule	Rubber	-	-	-	-	1000	1000	650	600	500	400	-	-	-	-
	Crimpnology Nipple Swivel	Ferrule	Chem/Rubber	-	500	500	-	-	-	-	-	-	-	-	-	-	-
	Long Crimpnology Nipple Swivel	Long Ferrule	Chem/Rubber	-	-	-	500	500	500	-	-	-	-	-	-	-	-
	Crimpnology Flange (steel) [4]	Ferrule	Chem/Rubber	-	-	-	-	285	285	275	250	250	-	225	175	-	-
	Crimpnology Flange (ss) [4]	Ferrule	Chem/Rubber	-	-	-	-	230	230	230	230	230	-	225	-	-	-
	FRAC-16C	Frac Ferrule	Rubber	-	-	-	-	-	-	-	-	400	-	-	-	-	-
	100/206 Hose Union (forged steel)	Ferrule	Rubber	-	-	-	-	-	500	-	500	-	-	-	-	-	-
C	Insta-Lock	Ferrule	Chem/Rubber	250	250	250	250	250	250	150	150	150	75	75	-	-	-
	Campbell Cobra SS C&G [5]	Ferrule	Chem/Rubber	-	-	250	-	250	250	150	150	125	-	-	-	-	-
	Campbell Cobra AL C&G [5]	Ferrule	Chem/Rubber	-	-	-	-	250	200	150	125	75	-	75	-	-	-
D	Viton Ground Joint/ Air Hammer/Male Stem	U-Bolt Clamp	Steam	1500	1250	1250	1250	1250	1250	800	500	500	-	300	-	-	-
	Viton Ground Joint/ Air Hammer/Male Stem	Long Ferrule	Rubber	1000	1000	1000	1000	1000	1000	650	500	500	-	-	-	-	-
	HeatWave Coupling/HW Male	Staked-on Ferrule	Rubber	-	-	-	-	-	call	-	call	-	-	-	-	-	-
E	UniversaLock [6]	Ferrule	Air	300	300	300	-	-	-	-	-	-	-	-	-	-	-
	Universal [6]	Ferrule	Air	150	150	150	-	-	-	-	-	-	-	-	-	-	-
	Single-Lock Coupling [6]	Ferrule	Air	300	300	300	-	-	-	-	-	-	-	-	-	-	-
	Double-Lock Coupling [6]	Ferrule	Air	300	300	300	-	-	-	-	-	-	-	-	-	-	-
F	ChemJoint/Male Stem	Ferrule	Chemical	350	400	450	325	250	250	225	225	200	-	-	-	-	-
	ChemJoint/Male Stem	Ferrule	Rubber	350	400	450	425	400	350	325	300	250	-	-	-	-	-
G	Tri-Clamp	Ferrule	Sanitary	-	-	500	-	450	350	325	300	-	-	-	-	-	-
	Tri-Clamp	Mach. Ferrule	Sanitary	-	-	500	-	500	400	375	350	-	-	-	-	-	-
	Wine Fitting	Ferrule	Sanitary	-	-	-	-	450	350	-	300	-	-	-	-	-	-
	Wine Fitting	Band Clamps	Sanitary	-	-	-	-	100	100	-	50	-	-	-	-	-	-

HOSE SYSTEM PRESSURE DERATING MULTIPLIERS FOR ELEVATED TEMPERATURES (°F)*										
Hose Type	70°	90°	150°	200°	250°	300°	350°	400°	450°	500°
Steam, Hot Tar, Asphalt	1.00	0.95	0.81	0.68	0.56	0.44	0.32	0.20	0.08	N/R
PVC	1.00	0.82	0.30	N/R	N/R	N/R	N/R	N/R	N/R	N/R
All other	1.00	0.91	0.64	0.42	0.20	N/R	N/R	N/R	N/R	N/R
No hose: weld-on or union	1.00	1.00	0.97	0.95	0.92	0.89	0.86	0.84	0.81	N/R

* System temperature is affected by both the media and the environment. N/R means NOT RECOMMENDED!

1) For normal fluids (not hazardous, combustible, flammable, volatile, corrosive, ammonia or LPG). Individual testing should be employed for non-normal fluids to ensure capability. Pressures shown are only valid for the fitting/coupling/attachment and hose combinations indicated and for their threaded mating parts. System working pressure does not include end pull forces. Not for plastic fittings/couplings. All hose systems must be assembled using Campbell procedures and crimp specifications. See elevated temperature derating chart above. Consult factory for reduced temperatures. **Never exceed the working pressure of the lowest rated component in the hose system.** Maximum working pressure includes the highest pressure the system will experience, such as spikes, surges, and water hammer effects. (For example: If a system consists of a hose rated to 150 PSI and the couplings are rated to 500 PSI, the system should never be used in excess of 150 PSI.)

2) Hose descriptions: **Air** - any smooth bore rubber air or water hose. Includes most general purpose hose; **Chemical** – any smooth bore rubber chemical hose, including plastic lined (PTFE, UHMW, XLPE). Does not include soft tube hose; **PVC** – any smooth bore PVC or vinyl hose; **Rubber** – any smooth bore rubber hose except steam, hot tar & asphalt, chemical, and soft tube hose; **Soft** – any smooth bore rubber hose with a thick, soft tube. Usually gum rubber and some food-grade hose; **Steam** – includes hot tar and asphalt; **Sanitary** – includes any food-grade hose

3) Ball & Socket pressure ratings are based on 1.5x WP.

4) Due to limitations with flanges, consult factory for temperatures other than 70°F.

5) Campbell COBRA Cam & Groove Couplings are identified by the name “Campbell” on the body, by the ferrule interlock groove, and by the part number, which includes a “C” suffix. Not for air or gas service.

6) Maximum temperature 160°F.

Campbell Test Reports

Abbreviated Reports and Results
Campbell engineering has conducted nearly 1,000 hydrostatic tests. The following are results from several popular products. Please contact our customer support team to receive test reports on other Campbell products.

The Safety Factor

The RMA requires that hose working pressures include a safety factor commensurate with their intended application. Most hoses are required to meet a 4x safety factor, except the following: Water hose rated under 150 PSI requires a 3x safety factor; Steam hose requires a 10x safety factor; and Hose conveying gas in a liquid state requires a 5x safety factor. (For example: a 150 PSI rated air hose has a 4x safety factor and must be successfully tested to a minimum of 600 PSI.)

Campbell's fitting and coupling pressure ratings match the RMA safety factor requirements with most hoses. Due to the wide variety of industrial hoses, as well as variations in design, construction, and material, we cannot guarantee that our pressure ratings meet the safety factor requirement with every hose.

If you have any questions about pressure ratings, please contact Campbell Fittings.



HYDROSTATIC TEST REPORT
Hose
Fuel drop: 3" ContiTech (GY) Infinity rated to 100 psi.
Couplings
Cam & Groove: 3" Campbell Cobra aluminum C x E
- coupling/sleeve system rated to 75 psi. WP
Attachment
Crimped: Aluminum Sleeves
Goal
Burst hose beyond 400 psi. (hose WP of 100 psi. @ 4 to 1 Safety Factor)
Results
Hose burst at 508 psi. (system exceeded 4x WP)



HYDROSTATIC TEST REPORT
Hose
Chemical: 2" ContiTech (GY) XLPE rated to 150 psi.
Couplings
ChemJoint®: 2" male x female
- coupling/ferrule system rated to 250 psi. WP (swivel nut tightened by hand)
Attachment
Crimped: Stainless Steel Ferrules
Goal
Burst hose beyond 600 psi. (hose WP of 150 psi. @ 4 to 1 Safety Factor)
Results:
Hose burst at 1426 psi. (system exceeded 4x WP)



HYDROSTATIC TEST REPORT
Hose
Oilfield: 4" ContiTech (GY) FRAC Blender Hose rated to 400 psi.
Couplings
Crimpnology Nipple: 4" FRAC-16 both ends*
- fitting/ferrule system rated to 400 psi WP
Attachment
Crimped: Campbell Frac Ferrules, Plated Steel
Goal
Burst hose beyond 1600 psi. (hose WP of 400 psi. @ 4 to 1 Safety Factor)
Results
Hose burst at 1715 psi. (system exceeded 4x WP)

* **NOTE**: similar successful results have been achieved with the Campbell "one-piece" 206 union manufactured with the same hose shank design for the same application.



HYDROSTATIC TEST REPORT
Hose
High pressure air: 3" Boston Bulldog Gold HP Air Hose rated to 600 psi.
Couplings
Ground Joint/Male Stem: 3" Heat Wave® male stem on both ends
-coupling/ferrule system rated to 600 psi WP
Attachment
Crimped: Staked-on Ferrule
Goal
Burst hose beyond 2400 psi. at 200°F (hose WP of 600 psi. @ 4 to 1 Safety Factor)
Results
Hose burst at 3539 psi. at 200°F (system exceeded 4x WP)



HYDROSTATIC TEST REPORT
Hose
Frac: 4" ContiTech Oilfield Fracturing Hose rated to 400 psi.
Couplings
206 Hose Union: Male x female Campbell 206 hose union rated to 400 psi.
Attachment
Crimped: Campbell Frac Ferrules, Plated Steel
Goal
Burst hose beyond 1600 psi. (hose WP of 400 psi. @ 4 to 1 Safety Factor)
Results
Hose burst at 1879 psi. (system exceeded 4x WP)



HYDROSTATIC TEST REPORT
Hose
High pressure air: 2" Dayco Wildcatter rated to 3000 psi.*
Couplings
Ground Joint: 2" Campbell Viton® Seal female x male
- coupling/ferrule system rated to 1000 psi. WP
Attachment
Crimped: Steel Long Ferrules
Goal
Establish the limits of the coupling/ferrule system, performed with the wing nut tightened only by hand. ***NOTE:** Campbell system is only rated to 1000 psi.
Results
Hose burst at 9500 psi. (couplings exceeded WP by more than 9x WP)



HYDROSTATIC TEST REPORT
Hose
Sanitary: 1-1/2" Continental Purple Snake rated to 232 psi.
Couplings
Sanitary: 1-1/2" Tri-Clamp
-fitting/ferrule system rated to 450 psi. WP
Attachment
Crimped: Stainless Steel Ferrules
Goal
Burst hose beyond 928 psi. (hose WP of 232 psi. @ 4 to 1 Safety Factor)
Results
Hose burst at 2198 psi. (system exceeded 9.5x WP)

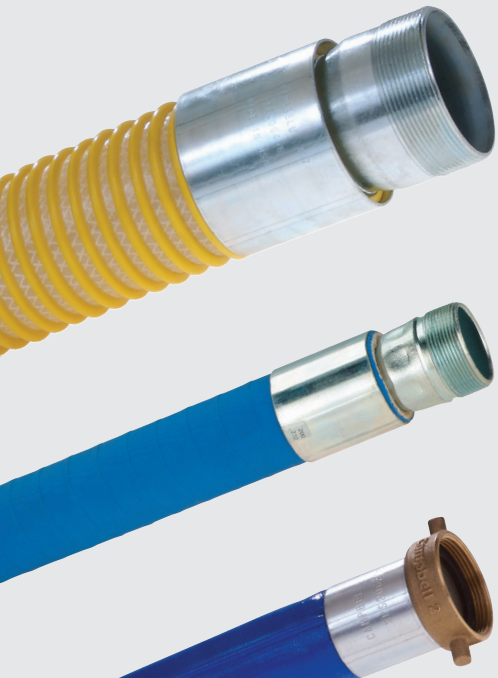


HYDROSTATIC TEST REPORT
Hose
Layflat: 1-1/2" Kuriyama rated to 75 psi.
Couplings
Aluminum pin-lug: 1-1/2" Campbell male x female
- coupling/sleeve system rated to 150 psi.
Attachment
Crimped: Carbon Steel Sleeves
Goal
Burst hose beyond 225 psi. (hose WP of 75 psi. @ 3 to 1 Safety Factor)
Results
Hose burst at 228 psi. (system exceeded 3x WP)


Campbell 1 1/4
Campbell 2
Campbell

Fittings & Accessories for Multi-Purpose and Utility Hose

Campbell Crimpnology™ offers crimping flexibility for your multi-purpose hose applications.



COMBINATION NIPPLES AND MENDERS

Features & Benefits

- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Formed hex wrench area on 3/4" through 1-1/2" combination nipples for easier installation.



Recommended Hose Attachment

- Sleeves
- Preformed Band Clamps

Recommended Use

- Liquid, bulk handling, low-pressure air

SUCTION HOSE COUPLINGS

Features & Benefits

- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Suction Couplings machined from pipe eliminate porosity and parting lines, improving sealing and retention.

Recommended Hose Attachment

- Sleeves
- Preformed Band Clamps

Recommended Use

- Liquid, bulk handling





Bauer-style vs. Campbell Ball & Socket

BALL & SOCKET COUPLINGS

Features & Benefits

- Proven, Campbell-style machined hose shank is designed for crimping (crimp specs available).
- Shank design dramatically improves sealing and retention, cuts installation time in half.
- Hose shanks are welded to ball & socket ball ends.

Recommended Hose Attachment

- Sleeves
- Preformed Band Clamps

Recommended Use

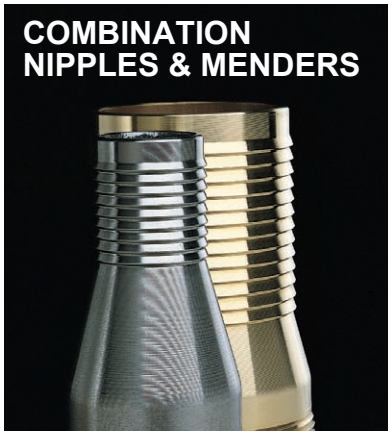
- Water Suction/Discharge
- Sewage bypass

			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1												
Hose System Components			Hose Size												
Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
Combination Nipple	Short Sleeve	Rubber	400	350	300	275	250	225	225	225	175	175	175	150	125	100
Combination Nipple	Short Sleeve	Chemical	200	200	200	140	130	120	110	100	50	-	-	-	-	-
Combination Nipple	Short Sleeve	PVC	150	125	100	90	85	65	60	55	40	-	30	20	-	-
Suction Coupling	Short Sleeve	Rubber	-	-	-	275	250	225	210	200	175	-	150	100	-	-
Suction Coupling	Short Sleeve	PVC	-	-	-	90	85	65	60	55	40	-	30	20	-	-
Ball & Socket Cplg*	Short Sleeve	Rubber	-	-	-	-	-	300	-	250	225	-	140	60	-	-
Ball & Socket Cplg*	Short Sleeve	PVC	-	-	-	-	-	170	-	140	100	-	80	50	-	-

See footnotes 1, 2, 3 and 6 on Page 1

***Ball & Socket safety factor is 1.5x working pressure.**

COMBINATION NIPPLES & MENDERS



THREADED



Steel

hose size	part number	list each
1/2	HAS-2	**
3/4	HAS-3	**
1	HAS-4	**
1-1/4	HAS-5	**
1-1/2	HAS-6	**
2	HAS-8	**
2-1/2	HAS-10	**
3	HAS-12	**
4	HAS-16	**
5	HAS-20	**
6	HAS-24	**
8	HAS-32	**
10	HAS-40	**
12	HAS-48	**

Plated Steel

1/2	HAPS-2	**
3/4	HAPS-3	**
1	HAPS-4	**
1-1/4	HAPS-5	**
1-1/2	HAPS-6	**
2	HAPS-8	**
2-1/2	HAPS-10	**
3	HAPS-12	**
4	HAPS-16	**
5	HAPS-20	**
6	HAPS-24	**
8	HAPS-32	**
10	HAPS-40	**
12	HAPS-48	**

316 Stainless

1/2	HASS-2	**
3/4	HASS-3	**
1	HASS-4	**
1-1/4	HASS-5	**
1-1/2	HASS-6	**
2	HASS-8	**
2-1/2	HASS-10	**
3	HASS-12	**
4	HASS-16	**
5	HASS-20	**
6	HASS-24	**
8	HASS-32	**
10	HASS-40	**
12	HASS-48	**

Hastelloy®

hose size	part number	list each
1	HAHAST-4	**
1-1/2	HAHAST-6	**
2	HAHAST-8	**
3	HAHAST-12	**
4	HAHAST-16	**

Brass

1/2	HAB-2	**
3/4	HAB-3	**
1	HAB-4	**
1-1/4	HAB-5	**
1-1/2	HAB-6	**
2	HAB-8	**
2-1/2	HAB-10	**
3	HAB-12	**
4	HAB-16	**

Aluminum

1/2	HAA-2	**
3/4	HAA-3	**
1	HAA-4	**
1-1/4	HAA-5	**
1-1/2	HAA-6	**
2	HAA-8	**
2-1/2	HAA-10	**
3	HAA-12	**
4	HAA-16	**
5	HAA-20	**
6	HAA-24	**

BEVELED



Steel

hose size	part number	list each
3/4	HAS-3 BV	**
1	HAS-4 BV	**
1-1/4	HAS-5 BV	**
1-1/2	HAS-6 BV	**
2	HAS-8 BV	**
2-1/2	HAS-10 BV	**
3	HAS-12 BV	**
4	HAS-16 BV	**
5	HAS-20 BV	**
6	HAS-24 BV	**
8	HAS-32 BV	**
10	HAS-40 BV	**
12	HAS-48 BV	**

316 Stainless

1/2	HASS-2 BV	**
3/4	HASS-3 BV	**
1	HASS-4 BV	**
1-1/4	HASS-5 BV	**
1-1/2	HASS-6 BV	**
2	HASS-8 BV	**
2-1/2	HASS-10 BV	**
3	HASS-12 BV	**
4	HASS-16 BV	**
5	HASS-20 BV	**
6	HASS-24 BV	**
8	HASS-32 BV	**
10	HASS-40 BV	**
12	HASS-48 BV	**

GROOVED



Steel

hose size	part number	list each
3/4	HAGS-3	**
1	HAGS-4	**
1-1/4	HAGS-5	**
1-1/2	HAGS-6	**
2	HAGS-8	**
2-1/2	HAGS-10	**
3	HAGS-12	**
4	HAGS-16	**
5	HAGS-20	**
6	HAGS-24	**
8	HAGS-32	**
10	HAGS-40	**
12	HAGS-48	**

316 Stainless

1	HAGSS-4	**
1-1/4	HAGSS-5	**
1-1/2	HAGSS-6	**
2	HAGSS-8	**
3	HAGSS-12	**
4	HAGSS-16	**
5	HAGSS-20	**
6	HAGSS-24	**
8	HAGSS-32	**

REDUCER



Steel

npt x hose	part number	list each
1 X 3/4	HRS-4X3	**
1-1/4 X 1	HRS-5X4	**
1-1/2 X 1-1/4	HRS-6X5	**
2 X 1-1/2	HRS-8X6	**
2-1/2 X 2	HRS-10X8	**
3 X 2-1/2	HRS-12X10	**
4 X 3	HRS-16X12	**

Plated Steel

1 X 3/4	HRPS-4X3	**
1-1/4 X 1	HRPS-5X4	**
1-1/2 X 1-1/4	HRPS-6X5	**
2 X 1-1/2	HRPS-8X6	**
2-1/2 X 2	HRPS-10X8	**
3 X 2-1/2	HRPS-12X10	**
4 X 3	HRPS-16X12	**

316 Stainless

1 X 3/4	HRSS-4X3	**
1-1/4 X 1	HRSS-5X4	**
1-1/2 X 1-1/4	HRSS-6X5	**
2 X 1-1/2	HRSS-8X6	**
2-1/2 X 2	HRSS-10X8	**

Other configurations and materials not listed above can be quoted upon request.

PHONE 800-367-3678
FAX 800-367-3670
SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM

EXPANDER



Steel

npt x hose	part number	list each
3/4 X 1	HES-3X4	**
1 X 1-1/4	HES-4X5	**
1-1/4 X 1-1/2	HES-5X6	**
1-1/2 X 2	HES-6X8	**
2 X 2-1/2	HES-8X10	**
2-1/2 X 3	HES-10X12	**
3 X 4	HES-12X16	**

Plated Steel

1/2 X 3/4	HEPS-2X3	**
3/4 X 1	HEPS-3X4	**
1 X 1-1/4	HEPS-4X5	**
1-1/4 X 1-1/2	HEPS-5X6	**
1-1/4 X 2	HEPS-5X8	**
1-1/2 X 2	HEPS-6X8	**
2 X 2-1/2	HEPS-8X10	**
2-1/2 X 3	HEPS-10X12	**
3 X 4	HEPS-12X16	**

316 Stainless

1/2 X 3/4	HESS-2X3	**
3/4 X 1	HESS-3X4	**
1 X 1-1/4	HESS-4X5	**
1 X 1-1/2	HESS-4X6	**
1-1/4 X 1-1/2	HESS-5X6	**
1-1/4 X 2	HESS-5X8	**
1-1/2 X 2	HESS-6X8	**
2 X 2-1/2	HESS-8X10	**

MENDER



Plated Steel

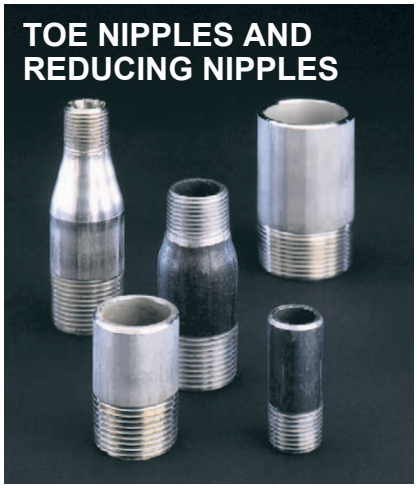
hose size	part number	list each
1/2	HCPS-2	**
3/4	HCPS-3	**
1	HCPS-4	**
1-1/4	HCPS-5	**
1-1/2	HCPS-6	**
2	HCPS-8	**
2-1/2	HCPS-10	**
3	HCPS-12	**
4	HCPS-16	**
5	HCPS-20	**
6	HCPS-24	**
8	HCPS-32	**
10	HCPS-40	**
12	HCPS-48	**

316 Stainless

3/4	HCSS-3	**
1	HCSS-4	**
1-1/4	HCSS-5	**
1-1/2	HCSS-6	**
2	HCSS-8	**
3	HCSS-12	**
4	HCSS-16	**
6	HCSS-24	**

Brass

3/4	HCB-3	**
1	HCB-4	**
1-1/4	HCB-5	**
1-1/2	HCB-6	**
2	HCB-8	**



TOE NIPPLES



Steel

npt x length	part number	list each
1/2 X 1-1/2	RN-2S	**
1/2 X 2	RN-2	**
3/4 X 1-1/2	RN-3S	**
3/4 X 2	RN-3	**
1 X 2	RN-4	**
1-1/4 X 2	RN-5	**
1-1/4 X 2-1/2	RN-5L	**
1-1/2 X 2	RN-6	**
1-1/2 X 2-1/2	RN-6L	**
1-1/2 X 3	RN-6XL	**
2 X 2	RN-8	**
2 X 2-1/2	RN-8L	**
2 X 3	RN-8XL	**
2-1/2 X 2-1/2	RN-10S	**
3 X 3	RN-12	**
3 X 3-1/2	RN-12L	**
3 X 4	RN-12XL	**
4 X 4	RN-16	**

304 Stainless

1/2 X 1-1/2	RNS-2S	**
1/2 X 2	RNS-2	**
3/4 X 1-1/2	RNS-3S	**
3/4 X 2	RNS-3	**
1 X 2	RNS-4	**
1-1/4 X 2	RNS-5	**
1-1/4 X 2-1/2	RNS-5L	**
1-1/2 X 2	RNS-6	**
1-1/2 X 2-1/2	RNS-6L	**
1-1/2 X 3	RNS-6XL	**
2 X 2	RNS-8	**
2 X 2-1/2	RNS-8L	**
2 X 3	RNS-8XL	**
2-1/2 X 2-1/2	RNS-10S	**
3 X 3	RNS-12	**
3 X 3-1/2	RNS-12L	**
3 X 4	RNS-12XL	**

REDUCING NIPPLES



Steel

npt x npt	part number	list each
3/4 X 1/2	NS 3-2	**
1 X 3/4	NS 4-3	**
1-1/4 X 1	NS 5-4	**
1-1/2 X 1-1/4	NS 6-5	**
2 X 1-1/2	NS 8-6	**
2-1/2 X 2	NS 10-8	**
3 X 2	NS 12-8	**
3 X 2-1/2	NS 12-10	**
4 X 3	NS 16-12	**

SUCTION HOSE COUPLINGS



COMPLETE SET



Shanks: Plated Steel
Nut: Brass

hose size	part number	list each
1-1/4	CSB-5	**
1-1/2	CSB-6	**
2	CSB-8	**
2-1/2	CSB-10	**
3	CSB-12	**
4	CSB-16	**
6	CSB-24	**
8	CSB-32	**

FEMALE SHANK



Shank: Plated Steel
Nut: Brass

hose size	part number	list each
1-1/4	FSB-5	**
1-1/2	FSB-6	**
2	FSB-8	**
2-1/2	FSB-10	**
3	FSB-12	**
4	FSB-16	**
6	FSB-24	**

MALE SHANK



Plated Steel

hose size	part number	list each
1-1/4	MS-5	**
1-1/2	MS-6	**
2	MS-8	**
2-1/2	MS-10	**
3	MS-12	**
4	MS-16	**
6	MS-24	**
8	MS-32	**

IMPORT SUCTION HOSE COUPLINGS

COMPLETE SET



Shanks: Aluminum
Nut: Brass

hose size	part number	list each
1-1/2	CAB-150	**
2	CAB-200	**
2-1/2	CAB-250	**
3	CAB-300	**
4	CAB-400	**
6	CAB-600	**

Shanks: Brass
Nut: Brass

1-1/2	CBB-150	**
2	CBB-200	**
3	CBB-300	**
4	CBB-400	**

FEMALE SHANK



Shank: Aluminum
Nut: Brass

hose size	part number	list each
1-1/2	FAB-150	**
2	FAB-200	**
2-1/2	FAB-250	**
3	FAB-300	**
4	FAB-400	**
6	FAB-600	**

Shank: Brass
Nut: Brass

1-1/2	FBB-150	**
2	FBB-200	**
3	FBB-300	**
4	FBB-400	**

MALE SHANK



Aluminum

hose size	part number	list each
1-1/2	MA-150	**
2	MA-200	**
2-1/2	MA-250	**
3	MA-300	**
4	MA-400	**
6	MA-600	**

Brass

1-1/2	MB-150	**
2	MB-200	**
3	MB-300	**
4	MB-400	**

IMPORT SUCTION HOSE COUPLINGS (NST threads)

COMPLETE SET



Shanks: Aluminum
Nut: Brass

hose size	part number	list each
1-1/2	NSTA-150	**
2-1/2	NSTA-250	**

Shanks: Ductile Iron
Nut: Ductile Iron

1-1/2	NSTD-150	**
2-1/2	NSTD-250	**

Shanks: Brass
Nut: Brass

1-1/2	NSTB-150	**
2-1/2	NSTB-250	**

WASHER



Neoprene (NPSM)

hose size	part number	list each
1-1/4	WN-5	**
1-1/2	WN-6	**
2	WN-8	**
2-1/2	WN-10	**
3	WN-12	**
4	WN-16	**
6	WN-24	**
8	WN-32	**

SPANNER WRENCH



size	part number	list each
1-1/2	SW-6	**
2	SW-8	**
3	SW-12	**
4	SW-16	**
6	SW-32	**
8	SW-32	**

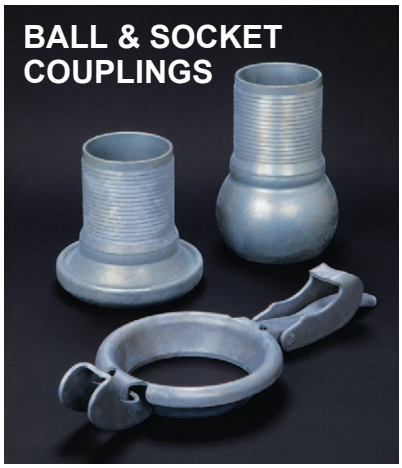
ADJUSTABLE HYDRANT WRENCH

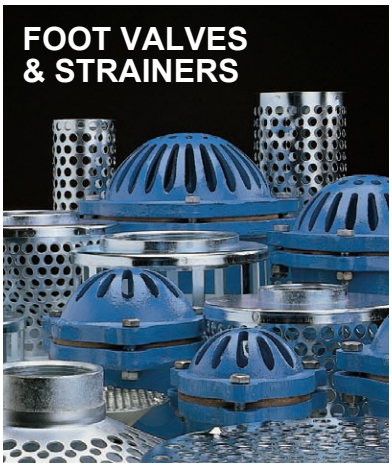


part number	list each
AHW-1	**

- Adjustable for 1-1/4" square nuts and pentagon hydrant nuts up to 1-3/4" point to flat.
- Spanner hook for 1-1/2" through 6" pin lug nuts.
- 18" overall length.

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BALL & SOCKET COMPLETE SET



hose size	part number	list each
2	BSGS-8	**
3	BSGS-12	**
4	BSGS-16	**
6	BSGS-24	**
8	BSGS-32	**

FEMALE*
(socket x machined hose end)



hose size	part number	list each
2	BFGS-8	**
3	BFGS-12	**
4	BFGS-16	**
6	BFGS-24	**
8	BFGS-32	**

*Sold without SBR ring gasket

MALE
(ball x machined hose end)



hose size	part number	list each
2	BMGS-8	**
3	BMGS-12	**
4	BMGS-16	**
6	BMGS-24	**
8	BMGS-32	**

RING GASKET



SBR

hose size	part number	list each
2	BSG-8	**
3	BSG-12	**
4	BSG-16	**
6	BSG-24	**
8	BSG-32	**

ROUND HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	RHS-6	**
2	RHS-8	**
2-1/2	RHS-10	**
3	RHS-12	**
4	RHS-16	**
6	RHS-24	**
8	RHS-32	**

SQUARE HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	SHS-6	**
2	SHS-8	**
2-1/2	SHS-10	**
3	SHS-12	**
4	SHS-16	**
6	SHS-24	**

TOP HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	THS-6	**
2	THS-8	**
3	THS-12	**

BOTTOM HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	BHS-6	**
2	BHS-8	**
3	BHS-12	**

FOOT VALVE
(painted cast iron)



npt size	part number	list each
1-1/2	FV-6	**
2	FV-8	**
2-1/2	FV-10	**
3	FV-12	**
4	FV-16	**
6	FV-24	**
8	FV-32	**

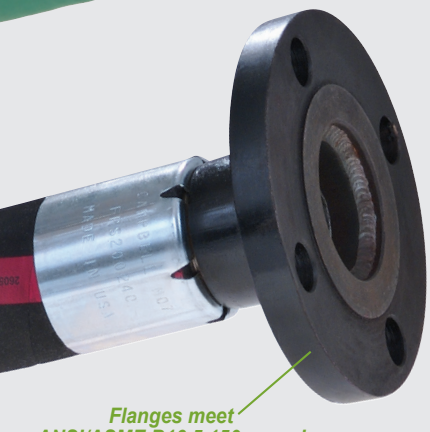
Foot Valve components are available upon request.


2 150 SA105

Fittings for Critical Application or High Pressure Multi-Purpose Hose & Chemical Hose

Campbell Crimpnology™ offers crimping flexibility for your multi-purpose hose applications.





Flanges meet ANSI/ASME B16.5 150 pound class specifications.



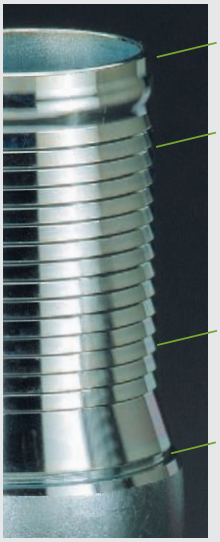
CRIMPNOLOGY NIPPLES

Features & Benefits

- Designed for use with Campbell Interlocking Ferrules.
- Fittings use the same ferrules as Campbell COBRA Parts C and E, ChemJoint Couplings, and ContiTech Insta-Lock Cam & Groove Couplings to keep ferrule inventory low and flexible.
- Interlock groove on fitting locks ferrule into place for the ultimate in holding power.
- Campbell's custom ferrule positioning system makes assembly easy and speeds crimping.
- Graduated serration pattern (sharper near the interlock, rounder near the end, with smooth end detail to reduce potential failure caused by abrasion) grips, seals, and protects hose.
- Shank and ferrule lengths are matched for performance and to avoid potential hose tube or cover damage.
- Crimped assemblies are low profile and eliminate sharp edges from band clamp buckles.

Special Features

- Crimpnology Nipples provide an excellent fitting solution for medium pressure applications such as "Frac Hose", mud-pump hose, and other abusive applications.
- Long Shank Crimpnology Nipples provide excellent sealing and retention for high-pressure applications. (See ratings chart below)
- 206 Hose Union machined from forged steel, eliminates porosity.



Crimpnology Nipple

CRIMPNOLOGY SWIVEL

Features & Benefits

- 360° swivel rotation between the threaded hex and hose barb for easy installation, eliminates hose kinking.
- Threaded body includes hex wrench-flats.
- Viton O-Ring and snap ring inside hex area.



Crimpnology Swivel

Note: Swivel is not for continuous rotation applications.

Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1										
			Hose Size										
Fitting/Coupling	Attachment	Hose Type	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8
Crimpnology Nipple	Ferrule	Chem/Rubber	-	500	350	325	300	275	250	250	250	225	175
Crimpnology Nipple	Ferrule	Soft	-	200	175	150	150	125	100	75	65	50	20
Long Crimpnology Nipple	Long Ferrule	Rubber	-	-	-	1000	1000	650	600	500	400	-	-
Crimpnology Nipple Swivel	Ferrule	Chem/Rubber	500	500	-	-	-	-	-	-	-	-	-
Long Crimpnology Nipple Swivel	Long Ferrule	Chem/Rubber	-	-	500	500	500	-	-	-	-	-	-
Crimpnology Flange (steel)	Ferrule	Chem/Rubber	-	-	-	285	285	275	250	250	-	225	175
Crimpnology Flange (ss)	Ferrule	Chem/Rubber	-	-	-	230	230	230	230	230	-	225	-
FRAC-16C	Frac Ferrule	Rubber	-	-	-	-	-	-	-	400	-	-	-
100/206 Hose Union (forged steel)	Ferrule	Rubber	-	-	-	-	500	-	500	-	-	-	-

See footnotes 1, 2 and 4 on Page 1



THREADED



Plated Steel

hose size	part number	list each
1	HAPS-4C	**
1-1/4	HAPS-5C	**
1-1/2	HAPS-6C	**
2	HAPS-8C	**
2-1/2	HAPS-10C	**
3	HAPS-12C	**
4	HAPS-16C	**
5	HAPS-20C	**
6	HAPS-24C	**
8	HAPS-32C	**

316 Stainless

1	HASS-4C	**
1-1/4	HASS-5C	**
1-1/2	HASS-6C	**
2	HASS-8C	**
2-1/2	HASS-10C	**
3	HASS-12C	**
4	HASS-16C	**
5	HASS-20C	**
6	HASS-24C	**
8	HASS-32C	**

Hastelloy®

1	HAHAST-4C	**
1-1/2	HAHAST-6C	**
2	HAHAST-8C	**

SCH. 80 THREADED LONG SHANK



Steel

hose size	part number	list each
1-1/2	HALPS-6C	**
2	HALPS-8C	**
2-1/2	HALPS-10C	**
3	HALPS-12C	**
4	HALPS-16C	**

SCH. 80 THREADED (for 400 psi frac hose)



Steel

hose size	part number	list each
4	FRAC-16C	**

Use only heavy duty FRAC ferrules

SQUARE CUT END



Steel

hose size	part number	list each
1-1/2	HAS-6C SQ	**
2	HAS-8C SQ	**
2-1/2	HAS-10C SQ	**
3	HAS-12C SQ	**
4	HAS-16C SQ	**
6	HAS-24C SQ	**
8	HAS-32C SQ	**

316 Stainless

1-1/2	HASS-6C SQ	**
2	HASS-8C SQ	**
2-1/2	HASS-10C SQ	**
3	HASS-12C SQ	**
4	HASS-16C SQ	**
6	HASS-24C SQ	**
8	HASS-32C SQ	**

GROOVED



Steel

hose size	part number	list each
1-1/2	HAGS-6C	**
2	HAGS-8C	**
2-1/2	HAGS-10C	**
3	HAGS-12C	**
4	HAGS-16C	**
6	HAGS-24C	**
8	HAGS-32C	**

316 Stainless

1	HAGSS-4C	**
1-1/2	HAGSS-6C	**
2	HAGSS-8C	**
2-1/2	HAGSS-10C	**
3	HAGSS-12C	**
4	HAGSS-16C	**
6	HAGSS-24C	**
8	HAGSS-32C	**

MALE SWIVEL



Steel

hose size	part number	list each
3/4	HAPS-3C SW	**
1	HAPS-4C SW	**
1-1/4	HALPS-5C SW	**
1-1/2	HALPS-6C SW	**
2	HALPS-8C SW	**

316 Stainless

hose size	part number	list each
3/4	HASS-3C SW	**
1	HASS-4C SW	**
1-1/4	HALSS-5C SW	**
1-1/2	HALSS-6C SW	**
2	HALSS-8C SW	**

FIGURE 206 HOSE UNION SET



Forged Steel

hose size	part number	list each
3	206S-12C-400	**
4	206S-16C-400	**

FIGURE 100 HOSE UNION SET



Forged Steel

hose size	part number	list each
2	100S-8C-500	**
3	100S-12C-400	**
4	100S-16C-400	**

HOSE UNION NUT



Forged Steel

hose size	part number	list each
4	206N-16C-400	**

VITON O-RING



Viton

size	part number	list each
4	206VO-16	**

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FLANGED
(with 150lb. fixed flange)



Steel

hose size	part number	list each
1-1/2	FHAS-6C	**
2	FHAS-8C	**
2-1/2	FHAS-10C	**
3	FHAS-12C	**
4	FHAS-16C	**
6	FHAS-24C	**
8	FHAS-32C	**

316 Stainless

1	FHASS-4C	**
1-1/2	FHASS-6C	**
2	FHASS-8C	**
2-1/2	FHASS-10C	**
3	FHASS-12C	**
4	FHASS-16C	**
6	FHASS-24C	**
8	FHASS-32C	**

TURNBACK
(for use with 150lb. floating flange)



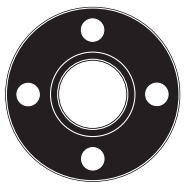
Steel

hose size	part number	list each
1-1/2	THAS-6C	**
2	THAS-8C	**
2-1/2	THAS-10C	**
3	THAS-12C	**
4	THAS-16C	**
6	THAS-24C	**
8	THAS-32C	**

316 Stainless

1	THASS-4C	**
1-1/2	THASS-6C	**
2	THASS-8C	**
2-1/2	THASS-10C	**
3	THASS-12C	**
4	THASS-16C	**
6	THASS-24C	**
8	THASS-32C	**

FLANGE-FLOATING
(150lb.)



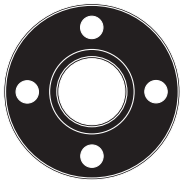
Steel

hose size	part number	list each
1-1/2	FF150S-6	**
2	FF150S-8	**
2-1/2	FF150S-10	**
3	FF150S-12	**
4	FF150S-16	**
6	FF150S-24	**
8	FF150S-32	**

316 Stainless

hose size	part number	list each
1	FF150SS-4	**
1-1/2	FF150SS-6	**
2	FF150SS-8	**
2-1/2	FF150SS-10	**
3	FF150SS-12	**
4	FF150SS-16	**
6	FF150SS-24	**
8	FF150SS-32	**

FLANGE-THREADED
(150lb.)



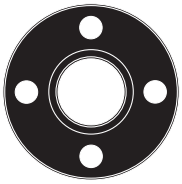
Steel

npt size	part number	list each
1-1/2	FT150S-6	**
2	FT150S-8	**
2-1/2	FT150S-10	**
3	FT150S-12	**
4	FT150S-16	**
6	FT150S-24	**
8	FT150S-32	**

316 Stainless

1	FT150SS-4	**
1-1/2	FT150SS-6	**
2	FT150SS-8	**
2-1/2	FT150SS-10	**
3	FT150SS-12	**
4	FT150SS-16	**
6	FT150SS-24	**
8	FT150SS-32	**

FLANGE-SLIP ON
(150lb.)



Steel

npt size	part number	list each
1-1/2	FS150S-6	**
2	FS150S-8	**
2-1/2	FS150S-10	**
3	FS150S-12	**
4	FS150S-16	**
6	FS150S-24	**
8	FS150S-32	**

316 Stainless

1	FS150SS-4	**
1-1/2	FS150SS-6	**
2	FS150SS-8	**
2-1/2	FS150SS-10	**
3	FS150SS-12	**
4	FS150SS-16	**
6	FS150SS-24	**
8	FS150SS-32	**


COBRA
Campbell
PATENTED
COBRA

Cam & Groove Couplings for Liquid, Bulk, and Chemical Transfer

Campbell
INSTA-LOCK™

Campbell
COBRA



Campbell Crimpnology™ offers crimping flexibility for your liquid, bulk, and chemical transfer hose applications.

INSTA-LOCK™

Insta-Lock™ is an innovative, durable, and reliable coupling system suitable for greater convenience, security and performance.

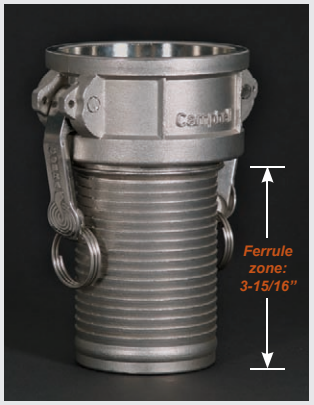


Features & Benefits

- A perfect synergy of hose & coupling system performance to handle all of your tough applications.
- Revolutionary ergonomic, easy-to-use automatic locking handle design eliminates issues with lock-out, tag-out specifications.
- Improved robust design with precision-machined shank serrations and 360° mechanical interlock with Campbell ferrules.

CAMPBELL COBRA

"Campbell COBRA" is high-performance version in Parts C and E.



Campbell Cobra Part C and matching Campbell Interlocking Ferrule

Features & Benefits

- Campbell COBRA C's and E's are designed by Campbell, produced to strict Campbell specifications and rigorously tested.
- 360° interlock groove on fitting locks ferrule into place for the ultimate in holding power.
- Shank and ferrule lengths are matched for performance and to avoid potential hose tube or hose cover damage.
- Serrations designed to grip, seal, and protect hose when crimped.

STANDARD COBRA

System rated performace with sleeves or Strapbinder preformed band clamps.



Locking arms for COBRA couplings

- Locking handles can be purchased assembled onto the coupling or as a kit and retrofitted onto existing inventory.

All Campbell Cam & Groove parts should utilize the safety lockpin with camlock arms while in service.

All Campbell Cam & Groove couplings are designed to couple and interchange with couplings made to specifications: ASTM F1122, CID A-A-59326, MIL-C-27487.

Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1										
			Hose Size										
Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6
Insta-Lock	Ferrule	Chem/Rubber	250	250	250	250	250	250	150	150	150	75	75
Campbell Cobra SS C&G	Ferrule	Chem/Rubber			250	-	250	250	150	150	125	-	-
Campbell Cobra AL C&G	Ferrule	Chem/Rubber			-	-	250	200	150	125	75	-	75

See footnotes 1, 2 and 5 on Page 1

INSTA-LOCK™ COUPLINGS



PART A

Stainless Steel

npt size	part number	list each
1/2	A050SS	**
3/4	A075SS	**
1	A100SS	**
1-1/4	A125SS	**
1-1/2	A150SS	**
2	A200SS	**
2-1/2	A250SS	**
3	A300SS	**
4	A400SS	**
5	A500SS	**
6	A600SS	**

Aluminum

npt size	part number	list each
1/2	A050AL	**
3/4	A075AL	**
1	A100AL	**
1-1/4	A125AL	**
1-1/2	A150AL	**
2	A200AL	**
2-1/2	A250AL	**
3	A300AL	**
4	A400AL	**
5	A500AL	**
6	A600AL	**

Brass

npt size	part number	list each
1/2	A050BR	**
3/4	A075BR	**
1	A100BR	**
1-1/4	A125BR	**
1-1/2	A150BR	**
2	A200BR	**
2-1/2	A250BR	**
3	A300BR	**
4	A400BR	**
5	A500BR	**
6	A600BR	**

PART B

Stainless Steel

npt size	part number	list each
1/2	B050SS	**
3/4	B075SS	**
1	B100SS	**
1-1/4	B125SS	**
1-1/2	B150SS	**
2	B200SS	**
2-1/2	B250SS	**
3	B300SS	**
4	B400SS	**
5	B500SS	**
6	B600SS	**

Aluminum

npt size	part number	list each
1/2	B050AL	**
3/4	B075AL	**
1	B100AL	**
1-1/4	B125AL	**
1-1/2	B150AL	**
2	B200AL	**
2-1/2	B250AL	**
3	B300AL	**
4	B400AL	**
5	B500AL	**
6	B600AL	**

Brass

npt size	part number	list each
1/2	B050BR	**
3/4	B075BR	**
1	B100BR	**
1-1/4	B125BR	**
1-1/2	B150BR	**
2	B200BR	**
2-1/2	B250BR	**
3	B300BR	**
4	B400BR	**
5	B500BR	**
6	B600BR	**

PART C

Stainless Steel

npt size	part number	list each
1/2	C050SS	**
3/4	C075SS	**
1	C100SS	**
1-1/4	C125SS	**
1-1/2	C150SS	**
2	C200SS	**
2-1/2	C250SS	**
3	C300SS	**
4	C400SS	**
5	C500SS	**
6	C600SS	**

Aluminum

npt size	part number	list each
1/2	C050AL	**
3/4	C075AL	**
1	C100AL	**
1-1/4	C125AL	**
1-1/2	C150AL	**
2	C200AL	**
2-1/2	C250AL	**
3	C300AL	**
4	C400AL	**
5	C500AL	**
6	C600AL	**

Brass

npt size	part number	list each
1/2	C050BR	**
3/4	C075BR	**
1	C100BR	**
1-1/4	C125BR	**
1-1/2	C150BR	**
2	C200BR	**
2-1/2	C250BR	**
3	C300BR	**
4	C400BR	**
5	C500BR	**
6	C600BR	**

PART D

Stainless Steel

npt size	part number	list each
1/2	D050SS	**
3/4	D075SS	**
1	D100SS	**
1-1/4	D125SS	**
1-1/2	D150SS	**
2	D200SS	**
2-1/2	D250SS	**
3	D300SS	**
4	D400SS	**
5	D500SS	**
6	D600SS	**

Aluminum

npt size	part number	list each
1/2	D050AL	**
3/4	D075AL	**
1	D100AL	**
1-1/4	D125AL	**
1-1/2	D150AL	**
2	D200AL	**
2-1/2	D250AL	**
3	D300AL	**
4	D400AL	**
5	D500AL	**
6	D600AL	**

PART D (continued from previous page)

Brass

npt size	part number	list each
1/2	D050BR	**
3/4	D075BR	**
1	D100BR	**
1-1/4	D125BR	**
1-1/2	D150BR	**
2	D200BR	**
2-1/2	D250BR	**
3	D300BR	**
4	D400BR	**
5	D500BR	**
6	D600BR	**

PART E

Stainless Steel

npt size	part number	list each
1/2	E050SS	**
3/4	E075SS	**
1	E100SS	**
1-1/4	E125SS	**
1-1/2	E150SS	**
2	E200SS	**
2-1/2	E250SS	**
3	E300SS	**
4	E400SS	**
5	E500SS	**
6	E600SS	**

Aluminum

npt size	part number	list each
1/2	E050AL	**
3/4	E075AL	**
1	E100AL	**
1-1/4	E125AL	**
1-1/2	E150AL	**
2	E200AL	**
2-1/2	E250AL	**
3	E300AL	**
4	E400AL	**
5	E500AL	**
6	E600AL	**

Brass

npt size	part number	list each
1/2	E050BR	**
3/4	E075BR	**
1	E100BR	**
1-1/4	E125BR	**
1-1/2	E150BR	**
2	E200BR	**
2-1/2	E250BR	**
3	E300BR	**
4	E400BR	**
5	E500BR	**
6	E600BR	**

PART F

Stainless Steel

npt size	part number	list each
1/2	F050SS	**
3/4	F075SS	**
1	F100SS	**
1-1/4	F125SS	**
1-1/2	F150SS	**
2	F200SS	**
2-1/2	F250SS	**
3	F300SS	**
4	F400SS	**
5	F500SS	**
6	F600SS	**

Aluminum

npt size	part number	list each
1/2	F050AL	**
3/4	F075AL	**
1	F100AL	**
1-1/4	F125AL	**
1-1/2	F150AL	**
2	F200AL	**
2-1/2	F250AL	**
3	F300AL	**
4	F400AL	**
5	F500AL	**
6	F600AL	**

Brass

npt size	part number	list each
1/2	F050BR	**
3/4	F075BR	**
1	F100BR	**
1-1/4	F125BR	**
1-1/2	F150BR	**
2	F200BR	**
2-1/2	F250BR	**
3	F300BR	**
4	F400BR	**
5	F500BR	**
6	F600BR	**

PART DC

Stainless Steel

npt size	part number	list each
1/2	DC050SS	**
3/4	DC075SS	**
1	DC100SS	**
1-1/4	DC125SS	**
1-1/2	DC150SS	**
2	DC200SS	**
2-1/2	DC250SS	**
3	DC300SS	**
4	DC400SS	**
5	DC500SS	**
6	DC600SS	**

Aluminum

npt size	part number	list each
1/2	DC050AL	**
3/4	DC075AL	**
1	DC100AL	**
1-1/4	DC125AL	**
1-1/2	DC150AL	**
2	DC200AL	**
2-1/2	DC250AL	**
3	DC300AL	**
4	DC400AL	**
5	DC500AL	**
6	DC600AL	**

Brass

npt size	part number	list each
1/2	DC050BR	**
3/4	DC075BR	**
1	DC100BR	**
1-1/4	DC125BR	**
1-1/2	DC150BR	**
2	DC200BR	**
2-1/2	DC250BR	**
3	DC300BR	**
4	DC400BR	**
5	DC500BR	**
6	DC600BR	**

PART DP

Stainless Steel

npt size	part number	list each
1/2	DP050SS	**
3/4	DP075SS	**
1	DP100SS	**
1-1/4	DP125SS	**
1-1/2	DP150SS	**
2	DP200SS	**
2-1/2	DP250SS	**
3	DP300SS	**
4	DP400SS	**
5	DP500SS	**
6	DP600SS	**

Aluminum

npt size	part number	list each
1/2	DP050AL	**
3/4	DP075AL	**
1	DP100AL	**
1-1/4	DP125AL	**
1-1/2	DP150AL	**
2	DP200AL	**
2-1/2	DP250AL	**
3	DP300AL	**
4	DP400AL	**
5	DP500AL	**
6	DP600AL	**

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PART DP (continued from previous page)

Brass

npt size	part number	list each
1/2	DP050BR	**
3/4	DP075BR	**
1	DP100BR	**
1-1/4	DP125BR	**
1-1/2	DP150BR	**
2	DP200BR	**
2-1/2	DP250BR	**
3	DP300BR	**
4	DP400BR	**
5	DP500BR	**
6	DP600BR	**

JUMP SIZE B

Aluminum

npt size	part number	list each
3 x 4	B3040AL	**
4 x 3	B4030AL	**

JUMP SIZE C

Stainless Steel

npt size	part number	list each
3 x 2-1/2	C3025SS	**

Aluminum

3 x 4	C3040AL	**

JUMP SIZE E

Stainless Steel

npt size	part number	list each
3 x 2-1/2	E3025SS	**

JUMP SIZE COUPLER X ADAPTER

Stainless Steel

npt size	part number	list each
2 x 1-1/2	DA2015SS	**
3 x 2	DA3020SS	**
4 x 3	DA4030SS	**
6 x 4	DA6040SS	**

Aluminum

npt size	part number	list each
2 x 3	DA2030AL	**
3 x 2	DA3020AL	**
3 x 4	DA3040AL	**
4 x 3	DA4030AL	**
6 x 4	DA6040AL	**
		**

DOUBLE D

Aluminum

npt size	part number	list each
2	DD200AL	**
3	DD300AL	**
4	DD400AL	**

SPOOL ADAPTER

Aluminum

npt size	part number	list each
1	AA100SS	**
1-1/2	AA150SS	**
2	AA200SS	**
3	AA300SS	**
4	AA400SS	**

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PART C
(with ferrule interlock)



316 Stainless

hose size	part number	list each
1	C-316-100C	**
1-1/2	C-316-150C	**
2	C-316-200C	**
2-1/2	C-316-250C	**
3	C-316-300C	**
4	C-316-400C	**

Aluminum

1-1/2	C-AL-150C	**
2	C-AL-200C	**
2-1/2	C-AL-250C	**
3	C-AL-300C	**
4	C-AL-400C	**
6	C-AL-600C	**

Brass

1	C-BR-100C	**
1-1/2	C-BR-150C	**
3	C-BR-300C	**
4	C-BR-400C	**

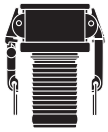
Brass - Forged Machined Shank

2	C-BR-200CM	**

Steel (investment cast)

1	C-S-100C	**
1-1/2	C-S-150C	**
2	C-S-200C	**
3	C-S-300C	**
4	C-S-400C	**

PART C - LOCKING HANDLES
(with ferrule interlock)



316 Stainless

hose size	part number	list each
1	CL-316-100C	**
1-1/2	CL-316-150C	**
2	CL-316-200C	**
3	CL-316-300C	**
4	CL-316-400C	**

Aluminum

1-1/2	CL-AL-150C	**
2	CL-AL-200C	**
3	CL-AL-300C	**
4	CL-AL-400C	**

PART E
(with ferrule interlock)



316 Stainless

hose size	part number	list each
1	E-316-100C	**
1-1/2	E-316-150C	**
2	E-316-200C	**
2-1/2	E-316-250C	**
3	E-316-300C	**
4	E-316-400C	**

Aluminum

1-1/2	E-AL-150C	**
2	E-AL-200C	**
2-1/2	E-AL-250C	**
3	E-AL-300C	**
4	E-AL-400C	**
6	E-AL-600C	**

Brass

1	E-BR-100C	**
1-1/2	E-BR-150C	**
2	E-BR-200C	**
3	E-BR-300C	**
4	E-BR-400C	**

Steel (investment cast)

1	E-S-100C	**
1-1/2	E-S-150C	**
2	E-S-200C	**
3	E-S-300C	**
4	E-S-400C	**

CONE STRAINERS
(for use with Part C's)



Stainless

hose size	part number	list each
2	CGSS-8	**
3	CGSS-12	**
4	CGSS-16	**
6	CGSS-24	**
8	CGSS-32	**

CAM & GROOVE SIGHT GLASS



Polycarbonate

size	part number	list each
2	SGPC-200	**
3	SGPC-300	**
4	SGPC-400	**

STANDARD COBRA CAM & GROOVE COUPLINGS

PART A



316 Stainless

npt size	part number	list each
3/4	A-316-75	**
1	A-316-100	**
1-1/4	A-316-125	**
1-1/2	A-316-150	**
2	A-316-200	**
2-1/2	A-316-250	**
3	A-316-300	**
4	A-316-400	**
5	A-316-500	**
6	A-316-600	**

304 Stainless

3/4	A-SS-75	**
1	A-SS-100	**
1-1/4	A-SS-125	**
1-1/2	A-SS-150	**
2	A-SS-200	**
2-1/2	A-SS-250	**
3	A-SS-300	**
4	A-SS-400	**
5	A-SS-500	**
6	A-SS-600	**
8	A-SS-800	**

Aluminum

3/4	A-AL-75	**
1	A-AL-100	**
1-1/4	A-AL-125	**
1-1/2	A-AL-150	**
2	A-AL-200	**
2-1/2	A-AL-250	**
3	A-AL-300	**
4	A-AL-400	**
5	A-AL-500	**
6	A-AL-600	**
8	A-AL-800	**

Brass

3/4	A-BR-75	**
1	A-BR-100	**
1-1/4	A-BR-125	**
1-1/2	A-BR-150	**
2	A-BR-200	**

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PART A (continued from previous page)

npt size	part number	list each
2-1/2	A-BR-250	**
3	A-BR-300	**
4	A-BR-400	**
5	A-BR-500	**
6	A-BR-600	**

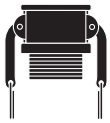
Ductile Iron

1-1/2	A-DI-150	**
2	A-DI-200	**
3	A-DI-300	**
4	A-DI-400	**
5	A-DI-500	**

Poly-Glass

3/4	A-PP-75	**
1	A-PP-100	**
1-1/4	A-PP-125	**
1-1/2	A-PP-150	**
2	A-PP-200	**
3	A-PP-300	**
4	A-PP-400	**

PART B



316 Stainless

npt size	part number	list each
3/4	B-316-75	**
1	B-316-100	**
1-1/4	B-316-125	**
1-1/2	B-316-150	**
2	B-316-200	**
2-1/2	B-316-250	**
3	B-316-300	**
4	B-316-400	**
5	B-316-500	**
6	B-316-600	**

304 Stainless

3/4	B-SS-75	**
1	B-SS-100	**
1-1/4	B-SS-125	**
1-1/2	B-SS-150	**
2	B-SS-200	**
2-1/2	B-SS-250	**
3	B-SS-300	**
4	B-SS-400	**
5	B-SS-500	**
6	B-SS-600	**

Aluminum

3/4	B-AL-75	**
1	B-AL-100	**
1-1/4	B-AL-125	**
1-1/2	B-AL-150	**
2	B-AL-200	**
2-1/2	B-AL-250	**
3	B-AL-300	**
4	B-AL-400	**
5	B-AL-500	**
6	B-AL-600	**
8	B-AL-800	**

Aluminum (with stainless handles)

npt size	part number	list each
3/4	B-ALS-75	**
1	B-ALS-100	**
1-1/4	B-ALS-125	**
1-1/2	B-ALS-150	**
2	B-ALS-200	**
2-1/2	B-ALS-250	**
3	B-ALS-300	**
4	B-ALS-400	**
6	B-ALS-600	**

Brass

3/4	B-BR-75	**
1	B-BR-100	**
1-1/4	B-BR-125	**
1-1/2	B-BR-150	**
2	B-BR-200	**
2-1/2	B-BR-250	**
3	B-BR-300	**
4	B-BR-400	**
5	B-BR-500	**
6	B-BR-600	**

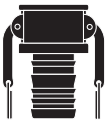
Ductile Iron

1-1/2	B-DI-150	**
2	B-DI-200	**
3	B-DI-300	**
4	B-DI-400	**
5	B-DI-500	**

Poly-Glass

3/4	B-PP-75	**
1	B-PP-100	**
1-1/4	B-PP-125	**
1-1/2	B-PP-150	**
2	B-PP-200	**
3	B-PP-300	**
4	B-PP-400	**

PART C (for use with sleeves or bands)



316 Stainless

hose size	part number	list each
3/4	C-316-75	**
1	C-316-100	**
1-1/4	C-316-125	**
1-1/2	C-316-150	**
2	C-316-200	**
2-1/2	C-316-250	**
3	C-316-300	**
4	C-316-400	**
5	C-316-500	**
6	C-316-600	**

304 Stainless

npt size	part number	list each
3/4	C-SS-75	**
1	C-SS-100	**
1-1/4	C-SS-125	**
1-1/2	C-SS-150	**
2	C-SS-200	**
2-1/2	C-SS-250	**
3	C-SS-300	**
4	C-SS-400	**
5	C-SS-500	**
6	C-SS-600	**
8	C-SS-800	**

Aluminum

3/4	C-AL-75	**
1	C-AL-100	**
1-1/4	C-AL-125	**
1-1/2	C-AL-150	**
2	C-AL-200	**
2-1/2	C-AL-250	**
3	C-AL-300	**
4	C-AL-400	**
5	C-AL-500	**
6	C-AL-600	**
8	C-AL-800	**

Aluminum (with stainless handles)

3/4	C-ALS-75	**
1	C-ALS-100	**
1-1/4	C-ALS-125	**
1-1/2	C-ALS-150	**
2	C-ALS-200	**
2-1/2	C-ALS-250	**
3	C-ALS-300	**
4	C-ALS-400	**
6	C-ALS-600	**

Brass

3/4	C-BR-75	**
1	C-BR-100	**
1-1/4	C-BR-125	**
1-1/2	C-BR-150	**
2	C-BR-200	**
2-1/2	C-BR-250	**
3	C-BR-300	**
4	C-BR-400	**
5	C-BR-500	**
6	C-BR-600	**

Ductile Iron

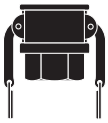
1-1/2	C-DI-150	**
2	C-DI-200	**
3	C-DI-300	**
4	C-DI-400	**
5	C-DI-500	**

Poly-Glass

3/4	C-PP-75	**
1	C-PP-100	**
1-1/4	C-PP-125	**
1-1/2	C-PP-150	**
2	C-PP-200	**
3	C-PP-300	**
4	C-PP-400	**

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PART D



316 Stainless

npt size	part number	list each
3/4	D-316-75	**
1	D-316-100	**
1-1/4	D-316-125	**
1-1/2	D-316-150	**
2	D-316-200	**
2-1/2	D-316-250	**
3	D-316-300	**
4	D-316-400	**
5	D-316-500	**
6	D-316-600	**

304 Stainless

3/4	D-SS-75	**
1	D-SS-100	**
1-1/4	D-SS-125	**
1-1/2	D-SS-150	**
2	D-SS-200	**
2-1/2	D-SS-250	**
3	D-SS-300	**
4	D-SS-400	**
5	D-SS-500	**
6	D-SS-600	**

Aluminum

3/4	D-AL-75	**
1	D-AL-100	**
1-1/4	D-AL-125	**
1-1/2	D-AL-150	**
2	D-AL-200	**
2-1/2	D-AL-250	**
3	D-AL-300	**
4	D-AL-400	**
5	D-AL-500	**
6	D-AL-600	**
8	D-AL-800	**

Aluminum (with stainless handles)

3/4	D-ALS-75	**
1	D-ALS-100	**
1-1/4	D-ALS-125	**
1-1/2	D-ALS-150	**
2	D-ALS-200	**
2-1/2	D-ALS-250	**
3	D-ALS-300	**
4	D-ALS-400	**
6	D-ALS-600	**

Brass

3/4	D-BR-75	**
1	D-BR-100	**
1-1/4	D-BR-125	**
1-1/2	D-BR-150	**
2	D-BR-200	**
2-1/2	D-BR-250	**
3	D-BR-300	**
4	D-BR-400	**
5	D-BR-500	**
6	D-BR-600	**

Ductile Iron

npt size	part number	list each
1-1/2	D-DI-150	**
2	D-DI-200	**
3	D-DI-300	**
4	D-DI-400	**
5	D-DI-500	**

Poly-Glass

3/4	D-PP-75	**
1	D-PP-100	**
1-1/4	D-PP-125	**
1-1/2	D-PP-150	**
2	D-PP-200	**
3	D-PP-300	**
4	D-PP-400	**

PART E (for use with sleeves or bands)



316 Stainless

hose size	part number	list each
3/4	E-316-75	**
1	E-316-100	**
1-1/4	E-316-125	**
1-1/2	E-316-150	**
2	E-316-200	**
2-1/2	E-316-250	**
3	E-316-300	**
4	E-316-400	**
5	E-316-500	**
6	E-316-600	**

304 Stainless

3/4	E-SS-75	**
1	E-SS-100	**
1-1/4	E-SS-125	**
1-1/2	E-SS-150	**
2	E-SS-200	**
2-1/2	E-SS-250	**
3	E-SS-300	**
4	E-SS-400	**
5	E-SS-500	**
6	E-SS-600	**

Aluminum

3/4	E-AL-75	**
1	E-AL-100	**
1-1/4	E-AL-125	**
1-1/2	E-AL-150	**
2	E-AL-200	**
2-1/2	E-AL-250	**
3	E-AL-300	**
4	E-AL-400	**
5	E-AL-500	**
6	E-AL-600	**
8	E-AL-800	**
		**

Brass

npt size	part number	list each
3/4	E-BR-75	**
1	E-BR-100	**
1-1/4	E-BR-125	**
1-1/2	E-BR-150	**
2	E-BR-200	**
2-1/2	E-BR-250	**
3	E-BR-300	**
4	E-BR-400	**
5	E-BR-500	**
6	E-BR-600	**

Ductile Iron

1-1/2	E-DI-150	**
2	E-DI-200	**
3	E-DI-300	**
4	E-DI-400	**
5	E-DI-500	**

Poly-Glass

3/4	E-PP-75	**
1	E-PP-100	**
1-1/4	E-PP-125	**
1-1/2	E-PP-150	**
2	E-PP-200	**
3	E-PP-300	**
4	E-PP-400	**

PART F



316 Stainless

npt size	part number	list each
3/4	F-316-75	**
1	F-316-100	**
1-1/4	F-316-125	**
1-1/2	F-316-150	**
2	F-316-200	**
2-1/2	F-316-250	**
3	F-316-300	**
4	F-316-400	**
5	F-316-500	**
6	F-316-600	**

304 Stainless

3/4	F-SS-75	**
1	F-SS-100	**
1-1/4	F-SS-125	**
1-1/2	F-SS-150	**
2	F-SS-200	**
2-1/2	F-SS-250	**
3	F-SS-300	**
4	F-SS-400	**
5	F-SS-500	**
6	F-SS-600	**

continued on next page

PART F (continued from previous page)

Aluminum

npt size	part number	list each
3/4	F-AL-75	**
1	F-AL-100	**
1-1/4	F-AL-125	**
1-1/2	F-AL-150	**
2	F-AL-200	**
2-1/2	F-AL-250	**
3	F-AL-300	**
4	F-AL-400	**
5	F-AL-500	**
6	F-AL-600	**
8	F-AL-800	**

Brass

3/4	F-BR-75	**
1	F-BR-100	**
1-1/4	F-BR-125	**
1-1/2	F-BR-150	**
2	F-BR-200	**
2-1/2	F-BR-250	**
3	F-BR-300	**
4	F-BR-400	**
5	F-BR-500	**
6	F-BR-600	**

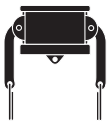
Ductile Iron

1-1/2	F-DI-150	**
2	F-DI-200	**
3	F-DI-300	**
4	F-DI-400	**
5	F-DI-500	**

Poly-Glass

3/4	F-PP-75	**
1	F-PP-100	**
1-1/4	F-PP-125	**
1-1/2	F-PP-150	**
2	F-PP-200	**
3	F-PP-300	**
4	F-PP-400	**

PART DC



316 Stainless

size	part number	list each
3/4	DC-316-75	**
1	DC-316-100	**
1-1/4	DC-316-125	**
1-1/2	DC-316-150	**
2	DC-316-200	**
2-1/2	DC-316-250	**
3	DC-316-300	**
4	DC-316-400	**
5	DC-316-500	**
6	DC-316-600	**

304 Stainless

size	part number	list each
3/4	DC-SS-75	**
1	DC-SS-100	**
1-1/4	DC-SS-125	**
1-1/2	DC-SS-150	**
2	DC-SS-200	**
2-1/2	DC-SS-250	**
3	DC-SS-300	**
4	DC-SS-400	**
5	DC-SS-500	**
6	DC-SS-600	**

Aluminum

3/4	DC-AL-75	**
1	DC-AL-100	**
1-1/4	DC-AL-125	**
1-1/2	DC-AL-150	**
2	DC-AL-200	**
2-1/2	DC-AL-250	**
3	DC-AL-300	**
4	DC-AL-400	**
5	DC-AL-500	**
6	DC-AL-600	**
8	DC-AL-800	**

Aluminum (with stainless handles)

3/4	DC-ALS-75	**
1	DC-ALS-100	**
1-1/4	DC-ALS-125	**
1-1/2	DC-ALS-150	**
2	DC-ALS-200	**
2-1/2	DC-ALS-250	**
3	DC-ALS-300	**
4	DC-ALS-400	**
6	DC-ALS-600	**

Brass

3/4	DC-BR-75	**
1	DC-BR-100	**
1-1/4	DC-BR-125	**
1-1/2	DC-BR-150	**
2	DC-BR-200	**
2-1/2	DC-BR-250	**
3	DC-BR-300	**
4	DC-BR-400	**
5	DC-BR-500	**
6	DC-BR-600	**

Ductile Iron

1-1/2	DC-DI-150	**
2	DC-DI-200	**
3	DC-DI-300	**
4	DC-DI-400	**
5	DC-DI-500	**

Poly-Glass

3/4	DC-PP-75	**
1	DC-PP-100	**
1-1/4	DC-PP-125	**
1-1/2	DC-PP-150	**
2	DC-PP-200	**
3	DC-PP-300	**
4	DC-PP-400	**

PART DP



316 Stainless

size	part number	list each
3/4	DP-316-75	**
1	DP-316-100	**
1-1/4	DP-316-125	**
1-1/2	DP-316-150	**
2	DP-316-200	**
2-1/2	DP-316-250	**
3	DP-316-300	**
4	DP-316-400	**
6	DP-316-600	**

304 Stainless

3/4	DP-SS-75	**
1	DP-SS-100	**
1-1/4	DP-SS-125	**
1-1/2	DP-SS-150	**
2	DP-SS-200	**
2-1/2	DP-SS-250	**
3	DP-SS-300	**
4	DP-SS-400	**
6	DP-SS-600	**

Aluminum

3/4	DP-AL-75	**
1	DP-AL-100	**
1-1/4	DP-AL-125	**
1-1/2	DP-AL-150	**
2	DP-AL-200	**
2-1/2	DP-AL-250	**
3	DP-AL-300	**
4	DP-AL-400	**
5	DP-AL-500	**
6	DP-AL-600	**

Brass

3/4	DP-BR-75	**
1	DP-BR-100	**
1-1/4	DP-BR-125	**
1-1/2	DP-BR-150	**
2	DP-BR-200	**
2-1/2	DP-BR-250	**
3	DP-BR-300	**
4	DP-BR-400	**
5	DP-BR-500	**
6	DP-BR-600	**

Ductile Iron

1-1/2	DP-DI-150	**
2	DP-DI-200	**
3	DP-DI-300	**
4	DP-DI-400	**
5	DP-DI-500	**

Poly-Glass

3/4	DP-PP-75	**
1	DP-PP-100	**
1-1/4	DP-PP-125	**
1-1/2	DP-PP-150	**
2	DP-PP-200	**
3	DP-PP-300	**
4	DP-PP-400	**

PHONE 800-367-3678
FAX 800-367-3670
SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM

TYPE A SWIVEL ADAPTER



Aluminum

npt size	part number	list each
3	ASV-AL-300	**
4	ASV-AL-400	**

TYPE D SWIVEL COUPLING



Aluminum

npt size	part number	list each
3	DSV-AL-300	**
4	DSV-AL-400	**

SPOOL ADAPTER



316 Stainless

adapter x adapter	part number	list each
1 X 1	AA-316-100	**
1-1/2 X 1-1/2	AA-316-150	**
1-1/2 X 2	AA-316-1520	**
2 X 2	AA-316-200	**
2 X 3	AA-316-2030	**
3 X 3	AA-316-300	**
3 X 4	AA-316-3040	**
4 X 4	AA-316-400	**

Aluminum

1 X 1	AA-AL-100	**
1-1/2 X 1-1/2	AA-AL-150	**
2 X 2	AA-AL-200	**
2 X 2.5	AA-AL-2025	**
2 X 3	AA-AL-2030	**
2-1/2 X 2-1/2	AA-AL-250	**
3 X 3	AA-AL-300	**
3 X 4	AA-AL-3040	**
4 X 4	AA-AL-400	**
4 X 6	AA-AL-4060	**
6 X 6	AA-AL-600	**

Brass

1-1/2 X 1-1/2	AA-BR-150	**
2 X 2	AA-BR-200	**
2-1/2 X 2-1/2	AA-BR-250	**
3 X 3	AA-BR-300	**
4 X 4	AA-BR-400	**

DOUBLE D



316 Stainless

coupler size	part number	list each
1-1/2 X 1-1/2	DD-316-150	**
2 X 2	DD-316-200	**
3 X 3	DD-316-300	**
4 X 4	DD-316-400	**

Aluminum

1-1/2 X 1-1/2	DD-AL-150	**
2 X 2	DD-AL-200	**
2 X 3	DD-AL-2030	**
3 X 3	DD-AL-300	**
3 X 4	DD-AL-3040	**
4 X 4	DD-AL-400	**
6 X 6	DD-AL-600	**

JUMP SIZE COUPLER X ADAPTER



316 Stainless

coupler x adapter	part number	list each
2 X 1-1/2	DA-316-2015	**
2 X 3	DA-316-2030	**
3 X 2	DA-316-3020	**
4 X 3	DA-316-4030	**
6 X 4	DA-316-6040	**

Aluminum

1-1/2 X 1	DA-AL-1510	**
1-1/2 X 2	DA-AL-1520	**
2 X 1-1/2	DA-AL-2015	**
2 X 3	DA-AL-2030	**
2 X 4	DA-AL-2040	**
3 X 1-1/2	DA-AL-3015	**
3 X 2	DA-AL-3020	**
3 X 4	DA-AL-3040	**
4 X 2	DA-AL-4020	**
4 X 3	DA-AL-4030	**
4 X 6	DA-AL-4060	**
6 X 4	DA-AL-6040	**
6 X 5	DA-AL-6050	**

Brass

2 X 3	DA-BR-2030	**
3 X 2	DA-BR-3020	**
4 X 2	DA-BR-4020	**
4 X 3	DA-BR-4030	**
6 X 4	DA-BR-6040	**

JUMP SIZE A



Aluminum

adapter x female npt	part number	list each
2 X 3	A-AL-2030	**
3 X 2	A-AL-3020	**
3 X 4	A-AL-3040	**
4 X 3	A-AL-4030	**
4 X 6	A-AL-4060	**
6 X 4	A-AL-6040	**

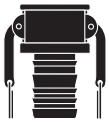
JUMP SIZE B



Aluminum

coupler x male npt	part number	list each
1-1/2 X 1	B-AL-1510	**
2 X 1-1/2	B-AL-2015	**
3 X 2	B-AL-3020	**
3 X 4	B-AL-3040	**
4 X 3	B-AL-4030	**

JUMP SIZE C (for use with sleeves or bands)



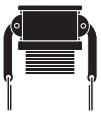
Aluminum

coupler x hose	part number	list each
3 X 2	C-AL-3020	**
3 X 4	C-AL-3040	**
4 X 3	C-AL-4030	**

Stainless Steel

coupler x hose	part number	list each
3 X 2-1/2	C-316-3025	**

JUMP SIZE D



Aluminum

coupler x female npt	part number	list each
1-1/2 X 1	D-AL-1510	**
2 X 1-1/2	D-AL-2015	**
3 X 2	D-AL-3020	**
4 X 3	D-AL-4030	**

JUMP SIZE E (for use with sleeves or bands)



Aluminum

adapter x hose	part number	list each
2 X 1-1/2	E-AL-2015	**
2 X 2-1/2	E-AL-2025	**
2 X 3	E-AL-2030	**
3 X 2	E-AL-3020	**
3 X 2-1/2	E-AL-3025	**
3 X 4	E-AL-3040	**
4 X 2	E-AL-4020	**
4 X 3	E-AL-4030	**

Stainless Steel

coupler x hose	part number	list each
3 X 2-1/2	E-316-3025	**

JUMP SIZE F



Aluminum

adapter x male npt	part number	list each
3 X 1-1/2	F-AL-3015	**
3 X 2	F-AL-3020	**
3 X 4	F-AL-3040	**

LOCKING HANDLE KIT



Ring/Pin/Lock: Stainless Handle: Investment Cast Stainless

size	part number	list each
1	LHRPSS-100	**
1-1/4	LHRPSS-200	**
1-1/2	LHRPSS-200	**
2	LHRPSS-200	**
3	LHRPSS-300	**
4	LHRPSS-300	**

HANDLE, RING AND PIN



Ring/Pin: Stainless Handle: Investment Cast Stainless

size	part number	list each
3/4	HRPSS-75	**
1	HRPSS-100	**
1-1/4	HRPSS-200	**
1-1/2	HRPSS-200	**
2	HRPSS-200	**
2-1/2	HRPSS-200	**
3	HRPSS-300	**
4	HRPSS-300	**
5	HRPSS-300	**
6	HRPSS-600	**
8	HRPSS-600	**

Ring/Pin: Steel Handle: Forged Brass

3/4	HRPB-75	**
1	HRPB-100	**
1-1/4	HRPB-200	**
1-1/2	HRPB-200	**
1	HRPB-200	**
2-1/2	HRPB-200	**
3	HRPB-300	**
4	HRPB-400	**
6	HRPB-600	**
8	HRPB-600	**

CAMLOCK LOCKPINS



Plated Steel

size	part number	list each
1/2 - 5	C&G-LOCKPIN 2	**
6 - 8	C&G-LOCKPIN 6	**

GASKET



Buna-N

size	part number	list each
1/2	BG-50	**
3/4	BG-75	**
1	BG-100	**
1-1/4	BG-125	**
1-1/2	BG-150	**
2	BG-200	**
2-1/2	BG-250	**
3	BG-300	**
4	BG-400	**
5	BG-500	**
6	BG-600	**
8	BG-800	**

Viton®

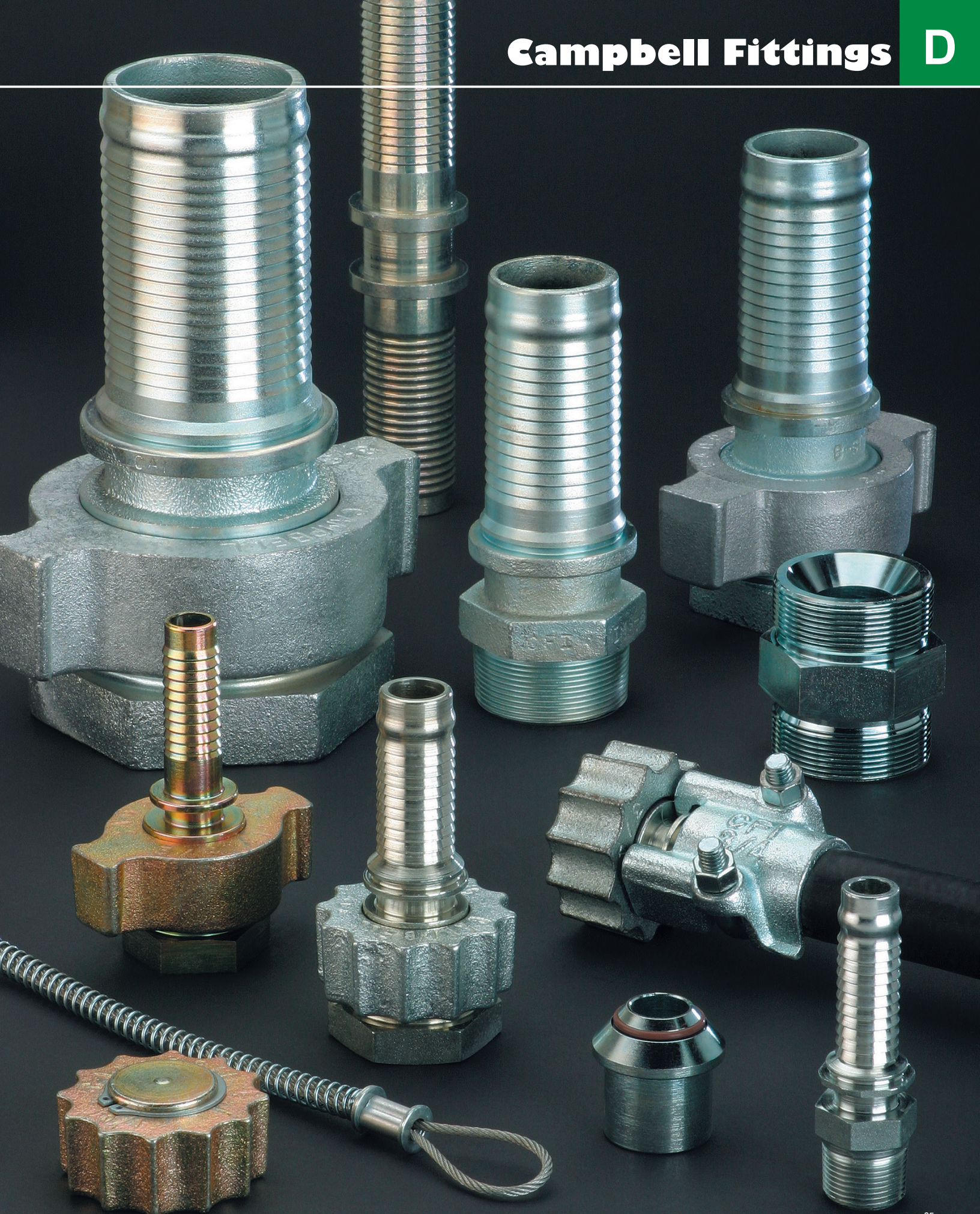
3/4	VG-75	**
1	VG-100	**

FKM

1/2	FKM-50	**
3/4	FKM-75	**
1	FKM-100	**
1-1/4	FKM-125	**
1-1/2	FKM-150	**
2	FKM-200	**
2-1/2	FKM-250	**
3	FKM-300	**
4	FKM-400	**

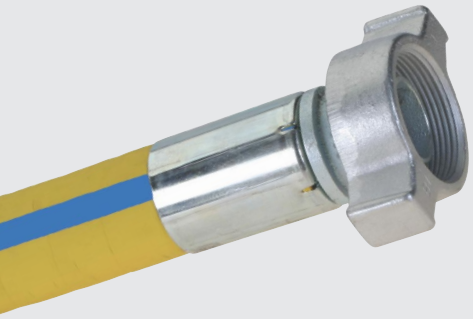
Teflon® (Teflon® Encapsulated Viton®)

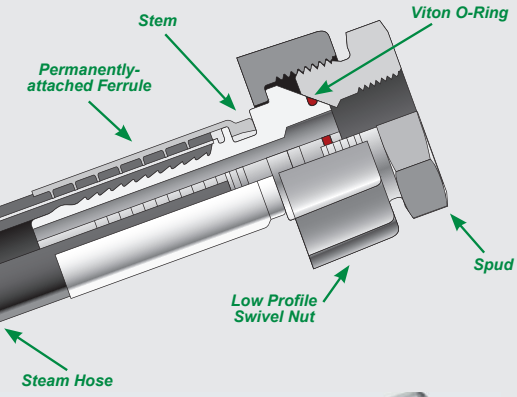
1	TG-100	**
1-1/2	TG-150	**
2	TG-200	**
2-1/2	TG-250	**
3	TG-300	**
4	TG-400	**

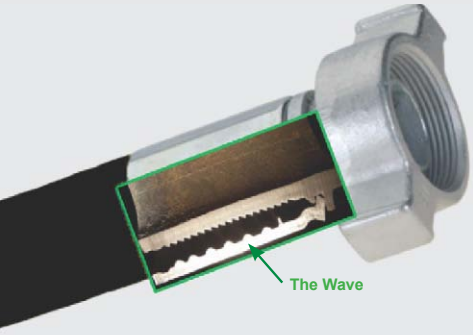


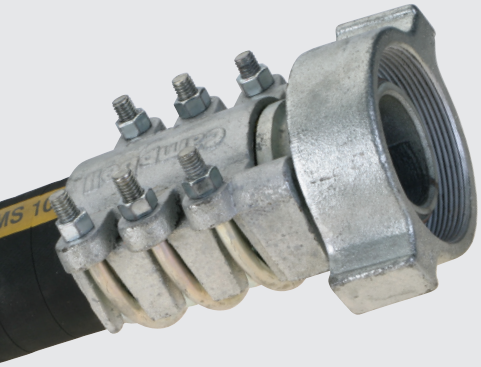
Couplings for High-Pressure Air and Steam Hose

Campbell Crimpnology™ offers hose assembly systems for your high-pressure steam and air applications.









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 hand-tightened nut.
- DuPont Viton® seal on hose stem is formulated for high pressure steam and air applications.
- Interchangeable with old-style ground joint couplings.
- Machined from carbon steel, cast ductile iron (meets ASTM A395 specification), and 316 stainless steel. **See picture on right.*

STAKED-ON FERRULE FOR STEAM HOSE

Features & Benefits

- Designed specifically for certain hose brands. Check with factory for information.
- Viton® Seal Couplings pass 1000 hour MIL-H-29210 steam test.
- Crimped steam assemblies eliminate the need for retightening bolts.
- Eliminates leaks and cuts costs caused by leaky clamps.
- Ferrule serrations bite to the wire achieving electrical continuity.
- Meets 250 PSI pressure rating for steam applications.

SWIVEL INTERLOCKING MALE STEM



Features & Benefits

- Designed for use with steam.
- Available with staked-on ferrule for crimped steam applications.

HEATWAVE GROUND JOINT COUPLING SYSTEM

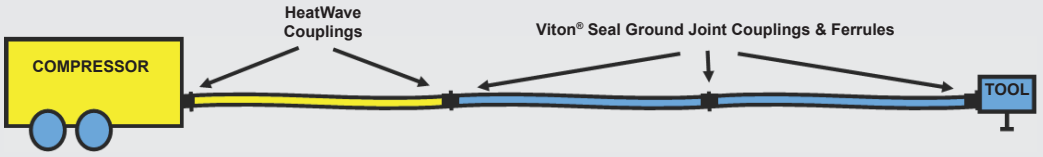
Features & Benefits

- Engineered to solve hose retention safety issues created by excessively high temperatures.
- One piece coupling/ferrule design.
- Machined ferrule utilizes a wave pattern, which gently displaces the hose evenly while pressing the tube into the coupling serrations.

Recommended Use

- Install one length of HeatWave Hose System at the compressor outlet to dissipate heat. Then attach standard crimped air hoses from the HeatWave System to the tools.

**See drawing below.*



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/retightening and improve “dragability”.
- Field repairable.

Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1									
			Hose Size									
Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5
Viton® Ground Joint/Air Hammer/Male Stem	U-Bolt Clamp	Steam	1500	1250	1250	1250	1250	1250	800	500	500	300
Viton® Ground Joint/Air Hammer/Male Stem	Long Ferrule	Rubber	1000	1000	1000	1000	1000	1000	650	500	500	-
HeatWave Coupling/HW Male	Staked-on Ferrule	Rubber	-	-	-	-	-	call	-	call	-	-

See footnotes 1 and 2 on Page 1

VITON® SEAL GROUND JOINT COUPLINGS



DISTRIBUTOR AUTHORIZATION

Safety is of paramount concern to everyone. Due to the volatile nature of steam, and in accordance with our ISO 9001 quality system, we reserve the right to restrict sales of our Ground Joint Viton® Seal Couplings to only those distributors authorized by Campbell Fittings.

Please contact our Customer Service department for more information.

FEMALE SET
(with low-profile nut)



Steel/Ductile Iron

hose size	part number	list each
1/2	RGJF-2	**
3/4	RGJF-3	**
1	RGJF-4	**
1-1/4	RGJF-5	**
1-1/2	RGJF-6	**
2	RGJF-8	**
2-1/2	RGJF-10	**
3	RGJF-12	**
4	RGJF-16	**

316 Stainless

1/2	RGJFSS-2	**
3/4	RGJFSS-3	**
1	RGJFSS-4	**

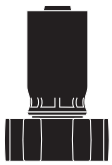
FEMALE SET
(with wing nut)



Steel/Ductile Iron

hose size	part number	list each
1/2	GJF-2	**
3/4	GJF-3	**
1	GJF-4	**
1-1/4	GJF-5	**
1-1/2	GJF-6	**
2	GJF-8	**
2-1/2	GJF-10	**
3	GJF-12	**
4	GJF-16	**

VITON® SEAL HOSE STEM
(staked-on ferrule & low profile nut)



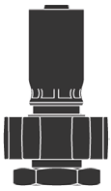
Steel

hose size	part number	list each
1/2	RGJS-2**	**
3/4	RGJS-3**	**
1	RGJS-4**	**
1-1/2	RGJS-6**	**
2	RGJS-8**	**

316 Stainless

1/2	RGJSS-2**	**
3/4	RGJSS-3**	**
1	RGJSS-4**	**

VITON® SEAL COMPLETE SET
(staked-on ferrule, low profile nut, & spud)



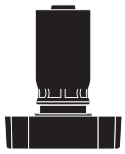
Steel

hose size	part number	list each
1/2	RGJF-2**	**
3/4	RGJF-3**	**
1	RGJF-4**	**
1-1/2	RGJF-6**	**
2	RGJF-8**	**

316 Stainless

3/4	RGJSS-3**	**

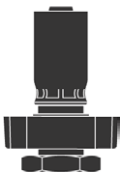
VITON® SEAL HOSE STEM
(staked-on ferrule & wing nut)



Steel

hose size	part number	list each
1/2	GJS-2**	**
3/4	GJS-3**	**
1	GJS-4**	**
1-1/2	GJS-6**	**
2	GJS-8**	**

VITON® SEAL COMPLETE SET
(staked-on ferrule, low profile nut, & wing nut)



Steel

hose size	part number	list each
1/2	GJF-2**	**
3/4	GJF-3**	**
1	GJF-4**	**
1-1/2	GJF-6**	**
2	GJF-8**	**

**Contact Customer Service for part numbers, prices, and availability

INTERLOCKING MALE STEM
(with staked-on ferrule)



Steel

hose size	part number	list each
1/2	IMS-2**	**
3/4	IMS-3**	**
1	IMS-4**	**
1-1/2	IMS-6**	**
2	IMS-8**	**

316 Stainless

3/4	IMSS-3**	**
1	IMSS-4**	**

SWIVEL MALE STEM
(with staked-on ferrule for use with steam)



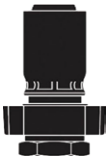
Steel

hose size	part number	list each
3/4	IMS-3**SW	**
1	IMS-4**SW	**

316 Stainless

3/4	IMSS-3**SW	**

HEATWAVE FEMALE SET
(staked-on ferrule & wing nut)



Steel/Ductile Iron

hose size	part number	list each
2	GJF-8 HW	**
3	GJF-12 HW	**

HEATWAVE MALE STEM
(with staked-on ferrule)



Steel/Ductile Iron

hose size	part number	list each
2	IMS-8 HW	**
3	IMS-12 HW	**

Viton® should never be used with ammonia. Please contact our Engineering department for information on all our different gasket materials.

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INTERLOCKING MALE STEM



Steel

npt x hose	part number	list each
1/2	IMS-2	**
1/2 X 3/4	IMS-2X3	**
3/4 X 1/2	IMS-3X2	**
3/4	IMS-3	**
3/4 X 1	IMS-3X4	**
1 X 3/4	IMS-4X3	**
1	IMS-4	**

Machined Ductile Iron

1-1/4	IMS-5	**
1-1/2	IMS-6	**
2	IMS-8	**
2-1/2	IMS-10	**
3	IMS-12	**
4	IMS-16	**

316 Stainless

1/2	IMSS-2	**
3/4	IMSS-3	**
1	IMSS-4	**

SWIVEL MALE STEM
(for use with steam)



Plated Steel

hose size	part number	list each
3/4	IMS-3SW	**

VITON® SEAL HOSE STEM



Steel

hose size	part number	list each
1/2	GJS-2	**
3/4	GJS-3	**
1	GJS-4	**

Machined Ductile Iron

1-1/4	GJS-5	**
1-1/2	GJS-6	**
2	GJS-8	**
2-1/2	GJS-10	**
3	GJS-12	**
4	GJS-16	**

316 Stainless

1/2	GJSS-2	**
3/4	GJSS-3	**
1	GJSS-4	**

VITON® SEAL MALE END
(Viton® Seal x male npt)



Plated Steel

npt size	part number	list each
3/4	GJMS-3	**
1	GJMS-4	**
1-1/2	GJMS-6	**
2	GJMS-8	**

316 Stainless

3/4	GJMSS-3	**
1	GJMSS-4	**

VITON® SEAL FEMALE END
(Viton® Seal x female npt)



Plated Steel

npt size	part number	list each
3/4	GJFS-3	**
3	GJFS-12	**
4	GJFS-16	**

FEMALE SPUD



Steel

npt size	part number	list each
1/2	GFS-2	**
3/4	GFS-3	**
1	GFS-4	**

Machined Ductile Iron

1-1/4	GFS-5	**
1-1/2	GFS-6	**
2	GFS-8	**
2 X 3/4	GFS-8X3	**
2-1/2	GFS-10	**
3	GFS-12	**
4	GFS-16	**

316 Stainless

1/2	GFSS-2	**
3/4	GFSS-3	**
1	GFSS-4	**

All steel and machined ductile iron parts are zinc plated. DuPont Viton® is the best O-Ring material for couplings used in both Air and Steam applications. For special applications, O-Rings of other materials are available upon request.

MALE SPUD



Steel

npt size	part number	list each
1/2	GMS-2	**
3/4	GMS-3	**
1	GMS-4	**

Machined Ductile Iron

1-1/4	GMS-5	**
1-1/2	GMS-6	**
2	GMS-8	**
2-1/2	GMS-10	**
3	GMS-12	**

DOUBLE SPUD



Steel

size	part number	list each
1/2	GDS-2	**
3/4	GDS-3	**
1	GDS-3	**

Machined Ductile Iron

1-1/4	GDS-5	**
1-1/2	GDS-5	**
2	GDS-8	**
2-1/2	GDS-10	**
3	GDS-12	**

SOCKET WELD SPUD



316 Stainless

size	part number	list each
3/4	GWSS-3	**
1	GWSS-4	**

LOW PROFILE NUT



Machined Ductile Iron

size	part number	list each
1/2	RGN-2	**
3/4	RGN-3	**
1	RGN-3	**
1-1/4	RGN-5	**
1-1/2	RGN-5	**
2	RGN-8	**
2-1/2	RGN-10	**
3	RGN-12	**
4	RGN-16	**

316 Stainless

1/2	RGNSS-2	**
3/4	RGNSS-3	**
1	RGNSS-3	**

WING NUT



Machined Ductile Iron

size	part number	list each
1/2	GN-2	**
3/4	GN-3	**
1	GN-3	**
1-1/4	GN-5	**
1-1/2	GN-5	**
2	GN-8	**
2-1/2	GN-10	**
3	GN-12	**
4	GN-16	**

DEAD-END



size	part number	list each
3/4	GDC-3	**
1	GDC-3	**

VITON® O-RING



size	part number	list each
1/2	VO-2	**
3/4	VO-3	**
1	VO-3	**
1-1/4	VO-5	**
1-1/2	VO-5	**
2	VO-8	**
2-1/2	VO-10	**
3	VO-12	**
4	VO-16	**



VITON® SEAL FEMALE SET (with low profile nut)



Steel/Ductile Iron

hose size	part number	list each
3/4	RHJF-3	**
1	RHJF-4	**

VITON® SEAL FEMALE SET (with wing nut)



Steel/Ductile Iron

hose size	part number	list each
3/4	HJF-3	**
1	HJF-4	**

VITON® SEAL HOSE STEM



Steel

hose size	part number	list each
3/4	HJS-3	**
1	HJS-4	**

VITON® SEAL FEMALE END (Viton® Seal x female npt)



Steel

size	part number	list each
3/4	HJFS-3	**

LOW PROFILE SWIVEL NUT



Ductile Iron

size	part number	list each
3/4	RHN-3	**
1	RHN-3	**

WING NUT



Ductile Iron

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

DOUBLE SPUD



Steel

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

FEMALE SPUD



Steel

npt size	part number	list each
3/4	HFS-3	**
1	HFS-4	**

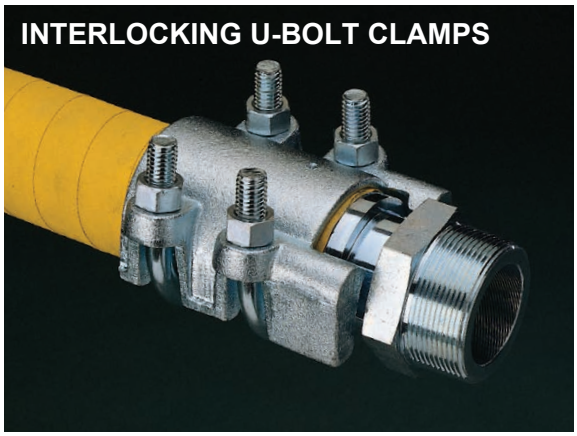
MALE SPUD

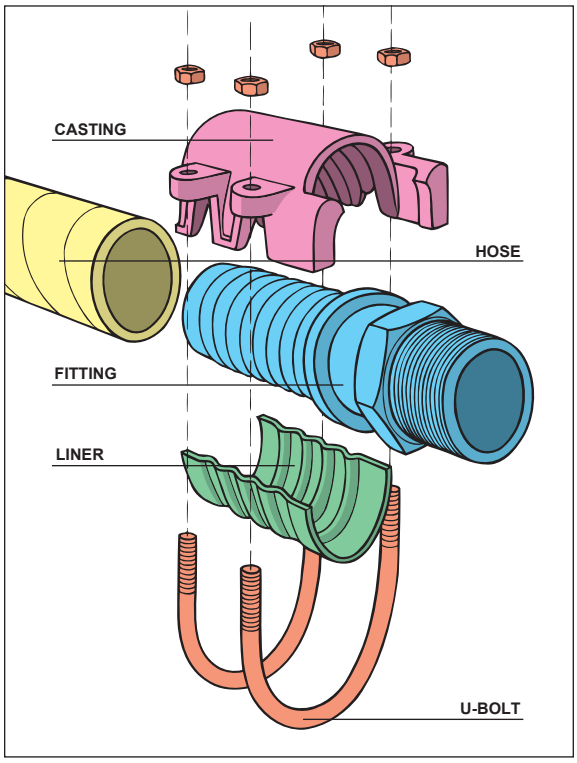


Steel

npt size	part number	list each
3/4	HMS-3	**
1	HMS-4	**

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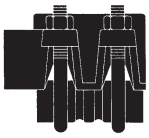
This 2" 1000 psi rated hose exploded in a test at 5200 psi.
The hose exceeded its minimum 4X safety factor.
The fitting and clamp exceeded the capacity of the hose.

SINGLE U-BOLT



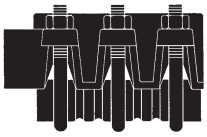
hose o.d. min	hose o.d. max	hose size	part number	list each
13/16	1-1/32	1/2	IC-2	**
1-1/16	1-1/4	3/4	IC-3S	**
1-3/32	1-3/8	3/4	IC-3	**

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	**
1-1/2	1-11/16	1	IC-4L	**
1-9/16	2	1-1/4	IC-5	**
1-15/16	2-3/16	1-1/2	IC-6	**
2-3/16	2-3/8	1-1/2	IC-6L	**
2-11/32	2-11/16	2	IC-8	**
2-11/16	2-15/16	2	IC-8L	**
3	3-9/32	2-1/2	IC-10	**
3-9/32	3-9/16	2-1/2	IC-10L	**

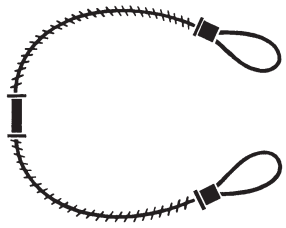
TRIPLE U-BOLT



hose o.d. min	hose o.d. max	hose size	part number	list each
3-5/16	3-3/4	3	IC-12S	**
3-11/16	4-1/8	3	IC-12	**
4-1/16	4-1/2	3	IC-12L	**
4-5/16	4-3/4	4	IC-16S	**
4-11/16	5-1/8	4	IC-16	**
5-1/16	5-1/2	4	IC-16L	**
7-11/16	8-1/4	6	IC-24L	**

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

WHIP CHEK™ SAFETY CABLE



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


CAMPBELL
Campbell

Couplings & Safety Couplings for Air and Water Hose

Campbell Crimpnology™ offers hose assembly systems for all your air applications.



Nitrogen Kills!

Nitrogen-only Single-Lock and Double-Lock Couplings.

Specify the patented yellow ring!

Simply the best and safest way to avoid deadly nitrogen accidents in plants.



Patented Nitrogen Ring

CAMPBELL SINGLE-LOCK (Bowes-style) DOUBLE-LOCK (Thor-style) COUPLINGS

Features and Benefits

- High strength Zamak alloy sleeves never rust, never seize or gall.
- Crimpnology hose ends provide the ultimate in hose retention.
- Interchangeable with other Bowes and Thor style couplings.

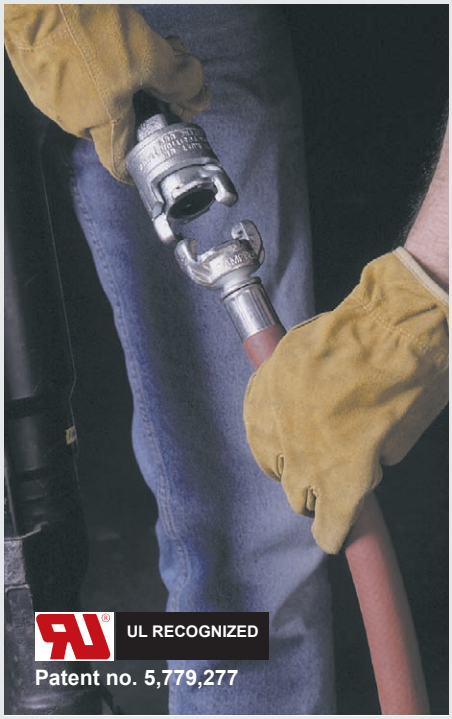
CAMPBELL SINGLE-LOCK (Nitrogen) DOUBLE-LOCK (Nitrogen) COUPLINGS

Features and Benefits

- High strength Zamak alloy sleeves never rust, never seize or gall.
- Crimpnology hose ends provide the ultimate in hose retention..
- Interchangeable with other Bowes and Thor style couplings.

SAFETY AND SAVINGS!

UniversaLock™, Single-Lock and Double-Lock couplings meet OSHA regulation 29CFR1915.131 and MSHA 30 CFR65.13021 requirements for Air Hose Couplings. The fine for an unpinned/unlocked air hose coupling can be $800 or more per infraction. Save your customer money and headaches, by using Campbell's Safety Air Hose Couplings.



UNIVERSAL COUPLINGS AND UNIVERSALOCK™ COUPLINGS

Features and Benefits

- Mates with domestic and imported Universal Couplings.
- UniversaLock's automatically lock onto mating coupling.
- Crimpnology hose end for superior retention and sealing.
- Cast ductile iron meets ASTM A536 specification.
- Washers manufactured from nitrile for superior oil resistance.

Investment Cast Universal Hose Ends

- Investment casting provides a crisp, high quality, hose-end surface-finish, without costly machining.
- Crimpnology hose ends for superior retention and sealing.

Investment Cast Universal Hose Ends:



Short, Crimp Specific Shank *Standard Shank*

MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1					
Hose System Components			Hose Size		
Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1
UniversaLock™	Ferrule	Air	300*	300*	300*
Universal	Ferrule	Air	150	150	150
Single-Lock Cplg	Ferrule	Air	300	300	300
Double-Lock Cplg	Ferrule	Air	300	300	300

See footnotes 1, 2 and 6 on Page 1
***Only when connected to another UniversaLock coupling**

UNIVERSAL COUPLINGS
(includes safety clip)



HOSE END



Ductile Iron (machined serrations)

hose size	part number	list each	ctn qty
3/8	UH-38	**	25
1/2	UH-2	**	25
5/8	UH-58	**	25
3/4	UH-3	**	25
1	UH-4	**	25

Plated Steel (investment cast)

1/2	UH-2i	**	25
3/4	UH-3i	**	25
1	UH-4i	**	25

316 Stainless (machined serrations)

1/2	UHSS-2	**	25
3/4	UHSS-3	**	25
1	UHSS-4	**	25

HOSE END (crimp specific)



Plated Steel (investment cast)

hose size	part number	list each	ctn qty
3/4	UH-3C	**	25

FEMALE NPT



Ductile Iron

npt size	part number	list each	ctn qty
3/8	UF-38	**	25
1/2	UF-2	**	25
3/4	UF-3	**	25
1	UF-4	**	25

316 Stainless

1/2	UFSS-2	**	25
3/4	UFSS-3	**	25
1	UFSS-4	**	25

MALE NPT



Ductile Iron

npt size	part number	list each	ctn qty
3/8	UM-38	**	25
1/2	UM-2	**	25
3/4	UM-3	**	25
1	UM-4	**	25

316 Stainless

1/2	UMSS-2	**	25
3/4	UMSS-3	**	25
1	UMSS-4	**	25

UNIVERSAL WASHER



Nitrile

size	part number	list each	ctn qty
All	UG	**	25

CLIP



Plated Steel

size	part number	list each	ctn qty
All	CLIP	**	25

IMPORT DUCTILE IRON UNIVERSAL COUPLINGS (includes safety clip)

HOSE END



hose size	part number	list each	ctn qty
1/2	HE-50	**	25
3/4	HE-75	**	25
1	HE-100	**	25

FEMALE NPT



npt size	part number	list each	ctn qty
1/4	FE-25	**	25
1/2	FE-50	**	25
3/4	FE-75	**	25
1	FE-100	**	25

MALE NPT



npt size	part number	list each	ctn qty
1/4	ME-25	**	25
1/2	ME-50	**	25
3/4	ME-75	**	25
1	ME-100	**	25

UNIVERSALOCK™ COUPLINGS



HOSE END



Ductile Iron (machined serrations)

hose size	part number	list each	ctn qty
1/2	ULH-2	**	10
3/4	ULH-3	**	10
1	ULH-4	**	10

MALE END



Ductile Iron

npt size	part number	list each	ctn qty
1/2	ULM-2	**	10
3/4	ULM-3	**	10
1	ULM-4	**	10

FEMALE END



Ductile Iron

npt size	part number	list each	ctn qty
1/2	ULF-2	**	10
3/4	ULF-3	**	10

UNIVERSALOCK™ WASHER



Nitrile

size	part number	list each	ctn qty
All	ULW	**	25

Never use UniversaLock™ Washers in standard Universal Couplings.

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SINGLE-LOCK COUPLINGS (Bowes interchange)



MALE X HOSE



Plated Steel

hose size	part number	list each
1/2	BMHS-2	**
3/4	BMHS-3	**

Brass

1/2	BMHB-2	**
3/4	BMHB-3	**

MALE X MALE NPT



Plated Steel

npt size	part number	list each
1/2	BMMS-2	**
3/4	BMMS-3	**

Brass

1/2	BMMB-2	**
3/4	BMMB-3	**

MALE X FEMALE NPT



Plated Steel

npt size	part number	list each
1/2	BMFS-2	**
3/4	BMFS-3	**

Brass

1/2	BMFB-2	**
3/4	BMFB-3	**

FEMALE X HOSE



Plated Steel

hose size	part number	list each
1/2	BFHS-2	**
3/4	BFHS-3	**

Brass

1/2	BFHB-2	**
3/4	BFHB-3	**

FEMALE X MALE NPT



Plated Steel

npt size	part number	list each
1/2	BFMS-2	**
3/4	BFMS-3	**
1	BFMS-4	**

Brass

1/2	BFMB-2	**
3/4	BFMB-3	**
1	BFMB-4	**

FEMALE X FEMALE NPT



Plated Steel

npt size	part number	list each
1/2	BFFS-2	**
3/4	BFFS-3	**
1	BFFS-4	**

Brass

1/2	BFFB-2	**
3/4	BFFB-3	**
1	BFFB-4	**

MALE X HOSE (with locking ring)



Plated Steel

hose size	part number	list each
1/2	BMHS-2L	**
3/4	BMHS-3L	**
1	BMHS-4L	**

Brass

1/2	BMHB-2L	**
3/4	BMHB-3L	**
1	BMHB-4L	**

MALE X MALE NPT (with locking ring)



Plated Steel

npt size	part number	list each
1/2	BMMS-2L	**
3/4	BMMS-3L	**
1	BMMS-4L	**

Brass

1/2	BMMB-2L	**
3/4	BMMB-3L	**
1	BMMB-4L	**

MALE X FEMALE NPT (with locking ring)



Plated Steel

npt size	part number	list each
1/2	BMFS-2L	**
3/4	BMFS-3L	**
1	BMFS-4L	**

Brass

1/2	BMFB-2L	**
3/4	BMFB-3L	**
1	BMFB-4L	**

GASKET



Nitrile

size	part number	list each
ALL	BGN-1	**

SINGLE-LOCK COUPLINGS (for Nitrogen use only)



MALE X HOSE (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	BMHS-2N	**
3/4	BMHS-3N	**
1	BMHS-4N	**

Brass

1/2	BMHB-2N	**
3/4	BMHB-3N	**
1	BMHB-4N	**

MALE X MALE NPT (with Nitrogen ring)



Plated Steel

npt size	part number	list each
1/2	BMMS-2N	**
3/4	BMMS-3N	**
1	BMMS-4N	**

Brass

1/2	BMMB-2N	**
3/4	BMMB-3N	**
1	BMMB-4N	**

MALE X FEMALE NPT (with Nitrogen ring)



Plated Steel

npt size	part number	list each
1/2	BMFS-2N	**
3/4	BMFS-3N	**
1	BMFS-4N	**

Brass

1/2	BMFB-2N	**
3/4	BMFB-3N	**
1	BMFB-4N	**

FEMALE X HOSE (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	BFHS-2N	**
3/4	BFHS-3N	**

Brass

1/2	BFHB-2N	**
3/4	BFHB-3N	**

FEMALE X MALE NPT (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	BFMS-2N	**
3/4	BFMS-3N	**

Brass

1/2	BFMB-2N	**
3/4	BFMB-3N	**

FEMALE X FEMALE NPT (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	BFFS-2N	**
3/4	BFFS-3N	**

Brass

1/2	BFFB-2N	**
3/4	BFFB-3N	**



HOSE END



Plated Steel

hose size	part number	list each
1/2	TLH-2	**
3/4	TLH-3	**
1	TLH-4	**

Stainless

3/4	TLHSS-3	**

Brass

3/4	TLHB-3	**

MALE NPT



Plated Steel

npt size	part number	list each
1/2	TLM-2	**
3/4	TLM-3	**

Stainless

3/4	TLMSS-3	**

FEMALE NPT



Plated Steel

npt size	part number	list each
1/2	TLF-2	**
3/4	TLF-3	**

Stainless

3/4	TLFSS-3	**

MALE NPT (without locking sleeve)



Plated Steel

npt size	part number	list each
1/2	TM-2	**
3/4	TM-3	**
1	TM-4	**

Stainless

3/4	TMSS-3	**

FEMALE NPT (without locking sleeve)



Plated Steel

npt size	part number	list each
1/2	TF-2	**
3/4	TF-3	**
1	TF-4	**

Stainless

3/4	TFSS-3	**

HOSE END (with locking ring)



Plated Steel

hose size	part number	list each
1/2	TLH-2L	**
3/4	TLH-3L	**
1	TLH-4L	**

MALE NPT (with locking ring)



Plated Steel

hose size	part number	list each
1/2	TLM-2L	**
3/4	TLM-3L	**
1	TLM-4L	**

FEMALE NPT (with locking ring)



Plated Steel

hose size	part number	list each
1/2	TLF-2L	**
3/4	TLF-3L	**
1	TLF-4L	**

DOUBLE-LOCK COUPLINGS (for Nitrogen use only)



HOSE END (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	TLH-2N	**
3/4	TLH-3N	**
1	TLH-4N	**

Brass

3/4	TLHB-3N	**

MALE NPT (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	TLM-2N	**
3/4	TLM-3N	**
1	TLM-4N	**

FEMALE NPT (with Nitrogen ring)



Plated Steel

hose size	part number	list each
1/2	TLF-2N	**
3/4	TLF-3N	**
1	TLF-4N	**

MALE NPT (with Nitrogen ring & without locking sleeve)



Plated Steel

npt size	part number	list each
1/2	TM-2N	**
3/4	TM-3N	**
1	TM-4N	**

FEMALE NPT (with Nitrogen ring & without locking sleeve)



Plated Steel

npt size	part number	list each
1/2	TF-2N	**
3/4	TF-3N	**
1	TF-4N	**

GASKET

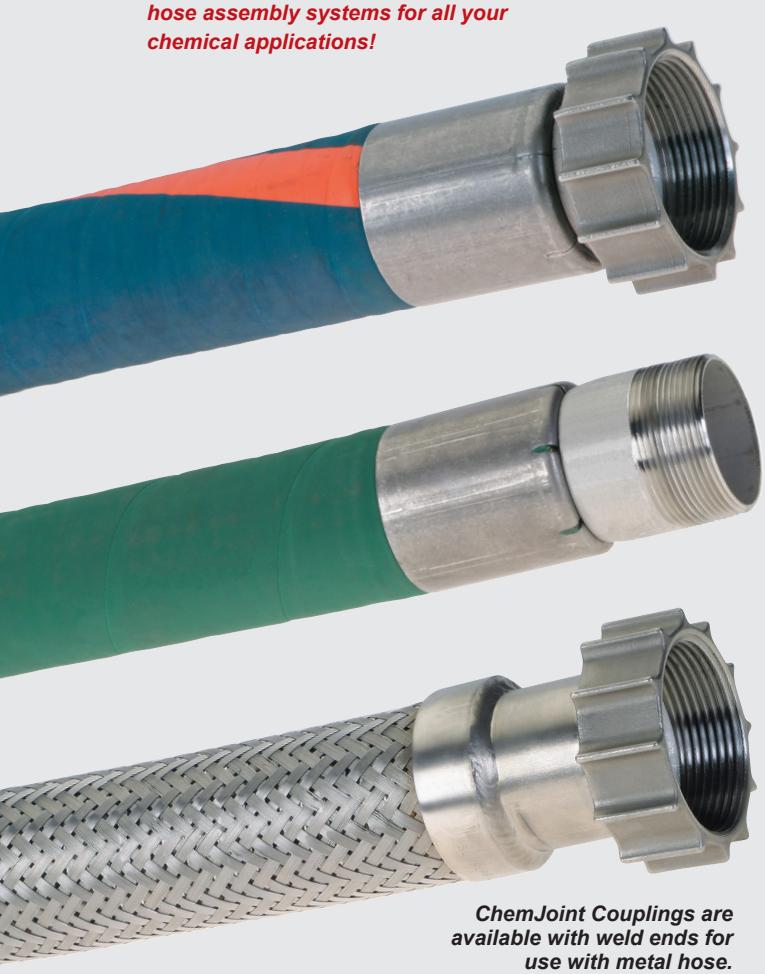


Nitrile

size	part number	list each
ALL	TGN-1	**


2" 316SS
Campbell

Campbell Crimpnology™ offers hose assembly systems for all your chemical applications!



ChemJoint Couplings are available with weld ends for use with metal hose.

CHEMJOINT™ COUPLINGS & MALE STEMS

Description

ChemJoint™ Couplings and Male Stems create an extremely versatile Chemical Hose assembly system. The system solves problematic Cam and Groove issues such as pressure, temperature, side load, viscosity, line dedication and ergonomics.

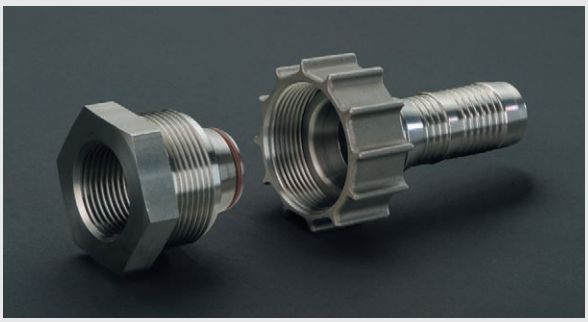
Features and Benefits

- Graduated serration pattern - sharper near the interlock, rounder near the end. Grips and seals plastic lined Chemical Hose without cutting through the tube.
- 360° interlock groove on fitting locks ferrule into place for the ultimate in holding power.
- Crimped assemblies are low profile and eliminate sharp edges from bands.
- Viton® Seal allows coupling to meet pressure ratings with hand-tightened nut.

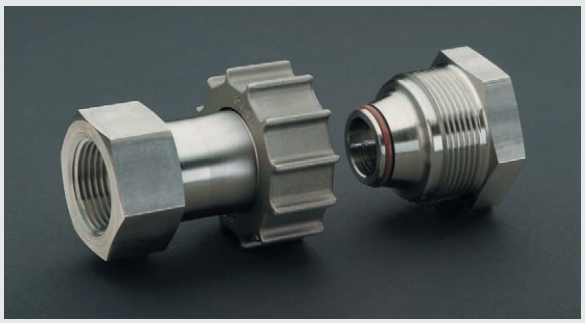


Recommended Hose Attachment

- Interlocking ferrules
- Preformed bands



1" ChemJoint™ Coupling Set



1" ChemJoint™ Union with Viton® Spud

Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1								
			Hose Size								
Fitting/Coupling	Attachment	Hose Type	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
ChemJoint™/Male Stem	Ferrule	Chemical	350	400	450	325	250	250	225	225	200
ChemJoint™/Male Stem	Ferrule	Rubber	350	400	450	425	400	350	325	300	250
ChemJoint™ Weld-On and Union	None	Metal/None	-	800	800	-	650	600	-	600	-

See footnotes 1 and 2 on Page 1



DISTRIBUTOR AUTHORIZATION

Safety is of paramount concern to everyone. Due to the volatile nature of chemical hose applications, and in accordance with our ISO 9001 system, we reserve the right to restrict sales of our ChemJoint™ Couplings and Male Stems to only those distributors authorized by Campbell Fittings.

Please contact our Customer Service department for more information

CHEMJOINT™ MALE STEM



316 Stainless

hose size	part number	list each
1/2	CJMS-2	**
3/4	CJMS-3	**
1	CJMS-4	**
1-1/4	CJMS-5	**
1-1/2	CJMS-6	**
2	CJMS-8	**
2-1/2	CJMS-10	**
3	CJMS-12	**
4	CJMS-16	**

CHEMJOINT™ COUPLING FEMALE SET



316 Stainless

hose size	part number	list each
3/4	CJSS-3	**
1	CJSS-4	**
1-1/2	CJSS-6	**
2	CJSS-8	**
3	CJSS-12	**

CHEMJOINT™ FEMALE VITON® SPUD



316 Stainless

npt size	part number	list each
3/4	CJVS-3	**
1	CJVS-4	**
1-1/2	CJVS-6	**
2	CJVS-8	**
3	CJVS-12	**

316 Stainless with ACME threads

1	CJVS-4A	**
1-1/2	CJVS-6A	**
2	CJVS-8A	**
3	CJVS-12A	**

CHEMJOINT™ HOSE STEM



316 Stainless

hose size	part number	list each
3/4	CJHS-3	**
1	CJHS-4	**
1-1/2	CJHS-6	**
2	CJHS-8	**
3	CJHS-12	**

CHEMJOINT™ WELD-ON STEM



316 Stainless

size	part number	list each
3/4	CJWS-3	**
1	CJWS-4	**
1-1/2	CJWS-6	**
2	CJWS-8	**
3	CJWS-12	**

CHEMJOINT™ MALE THREADED STEM



316 Stainless

npt size	part number	list each
1	CJTS-4	**
1-1/2	CJTS-6	**
2	CJTS-8	**
3	CJTS-12	**

CHEMJOINT™ UNION WITH VITON® SPUD



316 Stainless

npt size	part number	list each
3/4	CJFU-3	**
1	CJFU-4	**
1-1/2	CJFU-6	**
2	CJFU-8	**
3	CJFU-12	**

Viton® should never be used with ammonia. Please contact our Engineering department for information on all our different gasket materials.

PHONE 800-367-3678
FAX 800-367-3670
SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM

CHEMJOINT™ UNION (without Viton® Spud)



316 Stainless

npt size	part number	list each
3/4	CJFS-3	**
1	CJFS-4	**
1-1/2	CJFS-6	**
2	CJFS-8	**
3	CJFS-12	**

316 Stainless with ACME threads

npt size	part number	list each
3/4	CJFS-3A	**
1	CJFS-4A	**
1-1/2	CJFS-6A	**
2	CJFS-8A	**
3	CJFS-12A	**

CHEMJOINT™ NUT



316 Stainless

size	part number	list each
3/4	CJN-3	**
1	CJN-3	**
1-1/2	CJN-6	**
2	CJN-8	**
3	CJN-12	**

316 Stainless with ACME threads

npt size	part number	list each
1	CJN-4A	**
1-1/2	CJN-6A	**
2	CJN-8A	**
3	CJN-12A	**

CHEMJOINT™ DUST CAP



316 Stainless

size	part number	list each
3/4	CJDC-3	**
1	CJDC-3	**
1-1/2	CJDC-6	**
2	CJDC-8	**
3	CJDC-12	**

316 Stainless with ACME threads

npt size	part number	list each
1	CJDC-4A	**
1-1/2	CJDC-6A	**
2	CJDC-8A	**
3	CJDC-12A	**

CHEMJOINT™ VITON® SEAL DUST PLUG



316 Stainless

size	part number	list each
3/4	CJDP-3	**
1	CJDP-3	**
1-1/2	CJDP-6	**
2	CJDP-8	**
3	CJDP-12	**

316 Stainless with ACME threads

npt size	part number	list each
1	CJDP-4A	**
1-1/2	CJDP-6A	**
2	CJDP-8A	**
3	CJDP-12A	**



Sanitary, Washdown, and PCT Couplings for Food and Beverage

Campbell Crimpnology™ offers hose assembly systems for all your food grade hose applications!



CRIMPNOLOGY 3A TRI-CLAMP FITTINGS, ADAPTERS & FERRULES

3A RPSCQC No. 70

Features & Benefits

- Campbell Crimpnology™ offers hose assembly systems for food grade hose applications.
- Specially designed shank & ferrule lengths are matched for hose tube and cover protection.
- Dedicated silicone bumper seat area on crimp hose fittings.
- All products listed as 3A components are certified to meet 32 Ra minimum polish and all other 3A criteria under 3A RPSCQC.
- Crimp specifications are provided for all hoses for proven performance (3A crimp process exception).



TRI-CLAMP GASKETS

Features & Benefits

- Materials compliant with FDA Code of Federal Regulations under Title 21.

TRI-CLAMPS

Features & Benefits

- Designed for use with any Tri-Clamp fittings and adapters.

PROTECTIVE BUMPER

Features & Benefits

- Fits into machined recessed bumper area on all Campbell Tri-Clamp Crimp Hose Fittings.
- Easy on/off installation.
- Manufactured from FDA approved silicone.

WASHDOWN SWIVELS

Features & Benefits

- 360° swivel rotation between the threaded hex and hose barb for easy installation and smooth swiveling during wash down, eliminates hose kinking.
- Manufactured with 300 Series stainless steel

CRIMPNOLOGY WINE FITTINGS

(with Pacific Coast Threads - PCT)

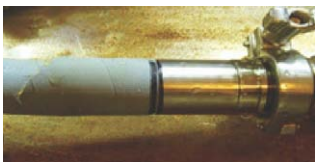
Features & Benefits

- Crimp specs and procedures provided for all styles.
- For use with Campbell ferrules and sleeves or band clamps.

TESTING

All Campbell products are thoroughly tested to determine accurate performance data, such as pressure ratings and temperature derating data. See example of Tri-Clamp hydrostatic test below.

Hose: 1" ContiTech Grey Vintner
Working Pressure: 250 psi
Test temp: 70°F
Highest Test Pressure: 2039 psi.
Failure Mode: Hose burst beyond 8x WP





Hose System Componenets			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1						
			Hose Size						
Fitting/Coupling	Attachment	Hose Type	1	1-1/4	1-1/2	2	2-1/2	3	4
Tri-Clamp	Ferrule	Sanitary	500	-	450	350	325	300	call
Tri-Clamp	Mach. Ferrule	Sanitary	500	-	500	400	375	350	call
Wine Fitting	Ferrule	Sanitary	-	-	450	350	-	300	-
Wine Fitting	Band Clamps	Sanitary	-	-	100	100	-	50	-

See footnotes 1 and 2 on Page 1



3A TRI-CLAMP CRIMP HOSE FITTINGS

316 Stainless

hose size	part number	list each
1	TC-4C A316	**
1-1/2	TC-6C A316	**
2	TC-8C A316	**
2-1/2	TC-10C A316	**
3	TC-12C A316	**
4	TC-16C A316	**
1-1/2 x 1	TCR-6X4C A316	**

3A LONG SHANK BREWERY HOSE ADAPTER

304 Stainless

hose size	part number	list each
1	BATC-4 304	**
1-1/2	BATC-6 304	**
2	BATC-8 304	**
3	BATC-12 304	**
4	BATC-16 304	**

3A RUBBER HOSE ADAPTER

316 Stainless

hose size	part number	list each
1 X 1/2	RATC-4X2 316	**
1 X 3/4	RATC-4X3 316	**
1 X 1	RATC-4 316	**
1-1/2 X 1/2	RATC-6X2 316	**
1-1/2 X 5/8	RATC-6X58 316	**
1-1/2 X 3/4	RATC-6X3 316	**
1-1/2 X 1	RATC-6X4 316	**
1-1/2 X 1-1/2	RATC-6 316	**
2 X 1-1/2	RATC-8X6 316	**
2 X 2	RATC-8 316	**
2-1/2 X 2-1/2	RATC-10 316	**
3 X 3	RATC-12 316	**
4 X 4	RATC-16 316	**

TRI-CLAMP X MALE NPT

316 Stainless

npt size	part number	list each
1 X 3/4	TCM-4X3 316	**
1 X 1	TCM-4 316	**
1-1/2 X 1-1/2	TCM-6 316	**
1-1/2 X 2	TCM-6X8 316	**
2 X 1-1/2	TCM-8X6 316	**
2 X 2	TCM-8 316	**
2-1/2 X 2	TCM-10X8 316	**
2-1/2 X 2-1/2	TCM-10 316	**
3 X 2	TCM-12X8 316	**
3 X 3	TCM-12 316	**
4 X 4	TCM-16 316	**

TRI-CLAMP X FEMALE NPT

316 Stainless

npt size	part number	list each
1 X 3/4	TCF-4X3 316	**
1 X 1	TCF-4 316	**
1-1/2 X 1-1/2	TCF-6 316	**
1-1/2 X 2	TCF-6X8 316	**
2 X 1-1/2	TCF-8X6 316	**
2 X 2	TCF-8 316	**
2-1/2 X 2	TCF-10X8 316	**
2-1/2 X 2-1/2	TCF-10 316	**
3 X 2	TCF-12X8 316	**
3 X 3	TCF-12 316	**
4 X 4	TCF-16 316	**

3A TRI-CLAMP X WELD SHORT

316 Stainless

hose size	part number	list each
1/2	TCSW-2 316	**
3/4	TCSW-3 316	**
1	TCSW-4 316	**
1-1/2	TCSW-6 316	**
2	TCSW-8 316	**
2-1/2	TCSW-10 316	**
3	TCSW-12 316	**
4	TCSW-16 316	**

3A TRI-CLAMP X WELD LONG

316 Stainless

hose size	part number	list each
1/2	TCLW-2 316	**
3/4	TCLW-3 316	**
1	TCLW-4 316	**
1-1/2	TCLW-6 316	**
2	TCLW-8 316	**
2-1/2	TCLW-10 316	**
3	TCLW-12 316	**
4	TCLW-16 316	**



TRI-CLAMP FITTINGS



304 Stainless

hose size	part number	list each
1	TC-4C	**
1-1/2	TC-6C	**
2	TC-8C	**
2-1/2	TC-10C	**
3	TC-12C	**

TRI-CLAMP REDUCERS



304 Stainless

hose size	part number	list each
1-1/2 X 1	TCR-6X4C	**



WASHDOWN SWIVEL

300 Stainless

npt size	part number	list each
1/2 x 1/2	WDSS-2	**
1/2 x 3/4	WDESS-2X3	**
1/2 x 5/8	WDESS-2X58	**

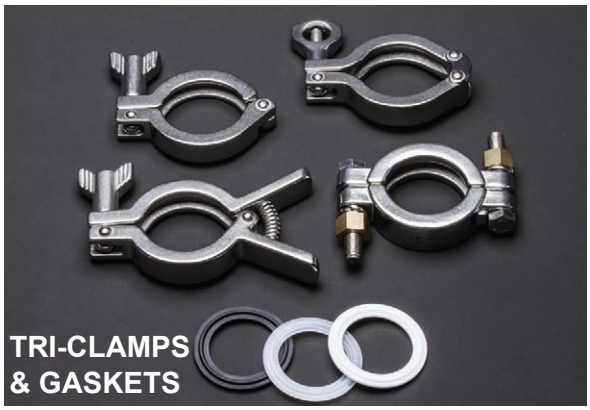


SANITARY FERRULES



304 Stainless

hose size	ferrule i.d.	part number	list each
1	1-32/64	SAN100132	**
1	1-38/64	SAN100138	**
1	1-44/64	SAN100144	**
1	1-50/64	SAN100150	**
1-1/2	2-4/64	SAN150204	**
1-1/2	2-10/64	SAN150210	**
1-1/2	2-16/64	SAN150216	**
1-1/2	2-20/64	SAN150220	**
2	2-40/64	SAN200240	**
2	2-44/64	SAN200244	**
2	2-50/64	SAN200250	**
2	2-56/64	SAN200256	**
2-1/2	3-12/64	SAN250312	**
2-1/2	3-18/64	SAN250318	**
2-1/2	3-24/64	SAN250324	**
3	3-40/64	SAN300340	**
3	3-48/64	SAN300348	**
3	3-52/64	SAN300352	**
3	3-60/64	SAN300360	**
3	4	SAN300400	**
4	4-52/64	SAN400452	**
4	5-6/64	SAN400506	**



HEAVY DUTY SINGLE PIN TRI-CLAMP

304 Stainless

hose size	part number	list each
1/2	TCC-3	**
3/4	TCC-3	**
1	TCC-6	**
1-1/2	TCC-6	**
2	TCC-8	**
3	TCC-10	**
2-/12	TCC-12	**
4	TCC-16	**

HEAVY DUTY DOUBLE PIN TRI-CLAMP

304 Stainless

hose size	part number	list each
1	TCC-6DP	**
1-1/2	TCC-6DP	**
2	TCC-8DP	**
2-/2	TCC-10DP	**
3	TCC-12DP	**
4	TCC-16DP	**

EASY INSTALL SQUEEZE TRI-CLAMP

304 Stainless

hose size	part number	list each
1/2	TCC-3SQ	**
3/4	TCC-3SQ	**
1	TCC-6SQ	**
1-1/2	TCC-6SQ	**
2	TCC-8SQ	**
2-1/2	TCC-10SQ	**
3	TCC-12SQ	**
4	TCC-16SQ	**

HEAVY DUTY HIGH PRESSURE TRI-CLAMP

304 Stainless

hose size	part number	list each
1	TCC-6BT	**
1-1/2	TCC-6BT	**
2	TCC-8BT	**
2-1/2	TCC-10BT	**
3	TCC-12BT	**
4	TCC-16BT	**

TRI-CLAMP GASKET



Buna-N Black

hose size	part number	list each
1	TCGB-4	**
1-1/2	TCGB-6	**
2	TCGB-8	**
2-1/2	TCGB-10	**
3	TCGB-12	**
4	TCGB-16	**

Buna-N White

1	TCGB-4W	**
1-1/2	TCGB-6W	**
2	TCGB-8W	**
2-1/2	TCGB-10W	**
3	TCGB-12W	**
4	TCGB-16W	**

EDPM Black

1	TCGE-4	**
1-1/2	TCGE-6	**
2	TCGE-8	**
2-1/2	TCGE-10	**
3	TCGE-12	**
4	TCGE-16	**

PTFE White

1	TCGT-4	**
1-1/2	TCGT-6	**
2	TCGT-8	**
3	TCGT-12	**
4	TCGT-16	**

FKM Black

1	TCGV-4	**
1-1/2	TCGV-6	**
2	TCGV-8	**
3	TCGV-12	**
4	TCGV-16	**

Silicone White

1	TCGS-4	**
1-1/2	TCGS-6	**
2	TCGS-8	**
3	TCGS-12	**
4	TCGS-16	**

TRI-CLAMP BUMPERS



Silicone

hose size	part number	list each
1	TCB-4	**
1-1/2	TCB-6	**
2	TCB-8	**
2-1/2	TCB-10	**
3	TCB-12	**

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WINE FITTING - FEMALE STEM



304 Stainless

hose size	part number	list each
1-1/2	PCTF-6C	**
2	PCTF-8C	**
3	PCTF-12C	**

WINE FITTING - FEMALE STEM W/ HEAVY NUT



304 Stainless

hose size	part number	list each
2	PCTFBH-8	**
3	PCTFBH-12	**

WINE FITTING - MALE STEM



304 Stainless

hose size	part number	list each
1-1/2	PCTM-6C	**
2	PCTM-8C	**
3	PCTM-12C	**

WINE GASKET FITTING



Buna-N

hose size	part number	list each
1-1/2	PCTGB-6	**
2	PCTGB-8	**
3	PCTGB-12	**

Silicone

1-1/2	PCTGS-6	**
2	PCTGS-8	**
3	PCTGS-12	**

PACIFIC COAST HEAVY NUT



Brass

hose size	part number	list each
1-1/2	NBPCT-6	**
2	NBHPCT-8	**
3	NBHPCT-12	**

WINE FERRULES

Note: Standard ferrules for 1-1/2” & 2” can be used for wine fittings. For 3” use the following:



304 Stainless

hose size	ferrule i.d.	part number	list each
3	3-44/64	FSS300344W	**
3	3-48/64	FSS300348W	**
3	3-52/64	FSS300352W	**
3	4	FSS300400W	**
3	4-8/64	FSS300408W	**
3	4-16/64	FSS300416W	**

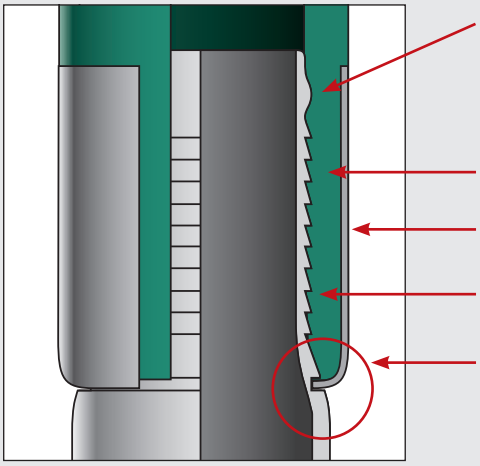


Campbell Crimpnology™ ...
the only comprehensive package of crimping products in the industry!



CampbellCrimpnology™

Crimpnology refers to all of the technology involved in crimping: The integrated design of every fitting, coupling, ferrule, and sleeve; the crimp procedures; crimp specifications; and crimp training & support.



Features and Benefits

Crimpnology offers the following “7 Essentials” for crimping safe, repeatable, performance-rated hose systems:

- Interlock groove on all fittings and couplings is compatible with the turn-in end of the ferrule to ensure a 360° ferrule-to-fitting interlock.
- Serrations specifically designed for crimping provide maximum hose retention without potential tube failure.
- Shank length and ferrule/sleeve length are matched to maximize retention and to avoid hose tube or cover damage.
- Detailed assembly procedures are provided, including information to ensure use of compatible components.
- Detailed crimping procedures ensure appropriate crimp specification is derived for each hose and fitting combination.
- On-site crimping training by a Hose System Specialist is offered by Campbell Fittings to assist distributor personnel.
- A daytime, toll-free “hotline” is manned by a Campbell Hose System Specialist to assist in all aspects of crimping.

Performance Rated

All Campbell pressure ratings are established and verified by hydrostatic testing to a 4x safety factor where applicable (see page 1 for pressure rating information). Test data and information regarding various combinations of hoses and fittings are available upon request.

Note: The pressure ratings in this catalog are valid only when using all Campbell parts. For safety and quality assurance, always proof test hose assembly according to NAHAD guidelines.

FERRULE & SLEEVE PART NUMBERING

PRODUCT	MATERIAL	FERRULE/SLEEVE I.D.
F = Ferrule S = Sleeve	PS = Plated Steel SS = Stainless Steel	216 = 2-16/64” 340 = 3-40/64”

F PS 150 216 L

NOMINAL HOSE SIZE	NON-STANDARD LENGTH
150 = 1-1/2” 200 = 2”	L = Long S = Short



FERRULES
for use with products shown below:



Crimpnology Nipples
Section B



Insta-Lock & Campbell Cobra
Section C



ChemJoint Couplings & Male Stems
Section F



Sanitary Tri-Clamp
Section G



Plated Steel

hose size	ferrule i.d.	part number	list each
3/4	1-12/64	FPS075112	**
3/4	1-16/64	FPS075116	**
3/4	1-20/64	FPS075120	**
3/4	1-24/64	FPS075124	**
3/4	1-28/64	FPS075128	**
3/4	1-32/64	FPS075132	**
1	1-32/64	FPS100132	**
1	1-36/64	FPS100136	**
1	1-40/64	FPS100140	**
1	1-44/64	FPS100144	**
1	1-48/64	FPS100148	**
1	1-52/64	FPS100152	**
1-1/4	1-52/64	FPS125152	**
1-1/4	1-56/64	FPS125156	**
1-1/4	1-60/64	FPS125160	**
1-1/2	1-60/64	FPS150160	**
1-1/2	2	FPS150200	**
1-1/2	2-4/64	FPS150204	**
1-1/2	2-8/64	FPS150208	**
1-1/2	2-12/64	FPS150212	**
1-1/2	2-16/64	FPS150216	**
1-1/2	2-20/64	FPS150220	**
1-1/2	2-24/64	FPS150224	**
2	2-32/64	FPS200232	**
2	2-36/64	FPS200236	**
2	2-40/64	FPS200240	**
2	2-44/64	FPS200244	**
2	2-48/64	FPS200248	**
2	2-52/64	FPS200252	**
2	2-56/64	FPS200256	**
2	2-60/64	FPS200260	**
2-1/2	3-8/64	FPS250308	**
2-1/2	3-12/64	FPS250312	**
2-1/2	3-16/64	FPS250316	**
2-1/2	3-20/64	FPS250320	**
2-1/2	3-28/64	FPS250328	**
3	3-36/64	FPS300336	**
3	3-40/64	FPS300340	**
3	3-44/64	FPS300344	**
3	3-48/64	FPS300348	**
3	3-52/64	FPS300352	**
3	3-56/64	FPS300356	**
3	3-60/64	FPS300360	**
3	4	FPS300400	**
3	4-8/64	FPS300408	**
3	4-16/64	FPS300416	**
4	4-36/64	FPS400436	**
4	4-40/64	FPS400440	**
4	4-44/64	FPS400444	**
4	4-48/64	FPS400448	**
4	4-52/64	FPS400452	**
4	4-56/64	FPS400456	**
4	4-60/64	FPS400460	**
4	5	FPS400500	**
4	5-4/64	FPS400504	**
6	6-56/64	FPS600656	**
6	7	FPS600700	**
6	7-8/64	FPS600708	**
6	7-24/64	FPS600724	**
8	8-48/64	FPS800848	**
8	9	FPS800900	**
8	9-16/64	FPS800916	**
8	9-32/64	FPS800932	**

Stainless Steel

hose size	ferrule i.d.	part number	list each
1/2	1	FSS050100	**
1/2	1-4/64	FSS050104	**
1/2	1-8/64	FSS050108	**
3/4	1-12/64	FSS075112	**
3/4	1-16/64	FSS075116	**
3/4	1-20/64	FSS075120	**
3/4	1-24/64	FSS075124	**
3/4	1-28/64	FSS075128	**
3/4	1-32/64	FSS075132	**
1	1-32/64	FSS100132	**
1	1-36/64	FSS100136	**
1	1-40/64	FSS100140	**
1	1-44/64	FSS100144	**
1	1-48/64	FSS100148	**
1	1-52/64	FSS100152	**
1-1/4	1-52/64	FSS125152	**
1-1/4	1-56/64	FSS125156	**
1-1/4	1-60/64	FSS125160	**
1-1/2	1-60/64	FSS150160	**
1-1/2	2	FSS150200	**
1-1/2	2-4/64	FSS150204	**
1-1/2	2-8/64	FSS150208	**
1-1/2	2-12/64	FSS150212	**
1-1/2	2-16/64	FSS150216	**
1-1/2	2-20/64	FSS150220	**
1-1/2	2-24/64	FSS150224	**
2	2-32/64	FSS200232	**
2	2-36/64	FSS200236	**
2	2-40/64	FSS200240	**
2	2-44/64	FSS200244	**
2	2-48/64	FSS200248	**
2	2-52/64	FSS200252	**
2	2-56/64	FSS200256	**
2	2-60/64	FSS200260	**
2-1/2	3-8/64	FSS250308	**
2-1/2	3-12/64	FSS250312	**
2-1/2	3-16/64	FSS250316	**
2-1/2	3-20/64	FSS250320	**
2-1/2	3-28/64	FSS250328	**
3	3-40/64	FSS300340	**
3	3-44/64	FSS300344	**
3	3-48/64	FSS300348	**
3	3-52/64	FSS300352	**
3	3-56/64	FSS300356	**
3	3-60/64	FSS300360	**
3	4	FSS300400	**
3	4-8/64	FSS300408	**
3	4-16/64	FSS300416	**
4	4-36/64	FSS400436	**
4	4-40/64	FSS400440	**
4	4-44/64	FSS400444	**
4	4-48/64	FSS400448	**
4	4-52/64	FSS400452	**

continued on next page

PHONE 800-367-3678
FAX 800-367-3670
SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM

hose size	ferrule i.d.	part number	list each
4	4-56/64	FSS400456	**
4	4-60/64	FSS400460	**
4	5	FSS400500	**
4	5-4/64	FSS400504	**
6	6-56/64	FSS600656	**
6	7	FSS600700	**
6	7-8/64	FSS600708	**
6	7-24/64	FSS600724	**
8		FSS800XXX	**

Plated Steel Heavy Duty (for 206S & FRAC-16C fittings only)

4	4-48/64	FPS400448F	**
4	4-52/64	FPS400452F	**
4	4-56/64	FPS400456F	**
4	4-60/64	FPS400460F	**
4	5	FPS400500F	**
4	5-4/64	FPS400504F	**

FERRULES
for use with products shown below:

WARNING: NOT FOR USE WITH STEAM



Long Crimpnology Nipples
Section B



Viton® Seal Ground Joints and Male Stems
Section D



Plated Steel

hose size	ferrule i.d.	part number	list each
1/2	1	FPS050100S	**
1/2	1-4/64	FPS050104S	**
1/2	1-8/64	FPS050108S	**
3/4	1-16/64	FPS075116	**
3/4	1-20/64	FPS075120	**
3/4	1-24/64	FPS075124	**
3/4	1-28/64	FPS075128	**
3/4	1-32/64	FPS075132	**
1	1-32/64	FPS100132	**
1	1-36/64	FPS100136	**
1	1-40/64	FPS100140	**
1	1-44/64	FPS100144	**
1	1-48/64	FPS100148	**
1	1-52/64	FPS100152	**
1-1/4	1-52/64	FPS125152L	**
1-1/4	1-56/64	FPS125156L	**
1-1/4	1-60/64	FPS125160L	**
1-1/2	1-60/64	FPS150160L	**
1-1/2	2	FPS150200L	**
1-1/2	2-4/64	FPS150204L	**
1-1/2	2-8/64	FPS150208L	**
1-1/2	2-12/64	FPS150212L	**
1-1/2	2-16/64	FPS150216L	**
1-1/2	2-20/64	FPS150220L	**
1-1/2	2-24/64	FPS150224L	**
2	2-32/64	FPS200232L	**
2	2-36/64	FPS200236L	**
2	2-40/64	FPS200240L	**
2	2-44/64	FPS200244L	**
2	2-48/64	FPS200248L	**
2	2-52/64	FPS200252L	**
2	2-56/64	FPS200256L	**
2	2-60/64	FPS200260L	**
2-1/2	3-8/64	FPS250308L	**
2-1/2	3-12/64	FPS250312L	**
2-1/2	3-16/64	FPS250316L	**
2-1/2	3-20/64	FPS250320L	**
2-1/2	3-28/64	FPS250328L	**
3	3-36/64	FPS300336L	**
3	3-40/64	FPS300340L	**
3	3-44/64	FPS300344L	**
3	3-48/64	FPS300348L	**
3	3-52/64	FPS300352L	**
3	3-56/64	FPS300356L	**
3	3-60/64	FPS300360L	**
3	4	FPS300400L	**
3	4-8/64	FPS300408L	**
3	4-16/64	FPS300416L	
4	4-40/64	FPS400440L	**
4	4-44/64	FPS400444L	**
4	4-48/64	FPS400448L	**
4	4-52/64	FPS400452L	**
4	4-56/64	FPS400456L	**
4	4-60/64	FPS400460L	**
4	5	FPS400500L	**
4	5-4/64	FPS400504L	**
4	5-12/64	FPS400512L	**
4	5-20/64	FPS400520L	**
4	5-28/64	FPS400528L	**



LIGHT DUTY FERRULES
for use with couplings shown below:



All Campbell Universals
Section E



UniversaLock
Section E



Single-Lock (Bowes)
Section E



Double-Lock (Thor)
Section E



Plated Steel

hose size	ferrule i.d.	part number	list each
1/2	58/64	FLPS050058	**
1/2	60/64	FLPS050060	**
3/4	1-8/64	FLPS075108	**
3/4	1-10/64	FLPS075110	**
3/4	1-12/64	FLPS075112	**
3/4	1-14/64	FLPS075114	**
3/4	1-16/64	FLPS075116	**
3/4	1-18/64	FLPS075118	**
1	1-28/64	FLPS100128	**
1	1-30/64	FLPS100130	**
1	1-32/64	FLPS100132	**
1	1-34/64	FLPS100134	**
1	1-36/64	FLPS100136	**

304 Stainless

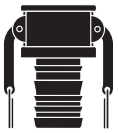
hose size	ferrule i.d.	part number	list each
1/2	58/64	FLSS050058	**
3/4	1-8/64	FLSS075108	**
3/4	1-10/64	FLSS075110	**
3/4	1-12/64	FLSS075112	**
3/4	1-14/64	FLSS075114	**
3/4	1-16/64	FLSS075116	**
3/4	1-18/64	FLSS075118	**



SLEEVES
for use with products shown below:



Campbell Cobra™ Parts C & E
Section C



Standard Cobra™ Parts C & E
Section C



Plated Steel

hose size	sleeve i.d.	part number	list each
3/4	1-8/64	SPS075108	**
3/4	1-12/64	SPS075112	**
3/4	1-16/64	SPS075116	**
3/4	1-24/64	SPS075124	**
1	1-16/64	SPS100116	**
1	1-20/64	SPS100120	**
1	1-24/64	SPS100124	**
1	1-28/64	SPS100128	**
1	1-32/64	SPS100132	**
1	1-36/64	SPS100136	**
1	1-40/64	SPS100140	**
1	1-44/64	SPS100144	**
1	1-48/64	SPS100148	**
1-1/4	1-56/64	SPS125156	**
1-1/4	2	SPS125200	**
1-1/2	1-48/64	SPS150148	**
1-1/2	1-52/64	SPS150152	**
1-1/2	1-56/64	SPS150156	**
1-1/2	1-60/64	SPS150160	**
1-1/2	2	SPS150200	**
1-1/2	2-4/64	SPS150204	**
1-1/2	2-8/64	SPS150208	**
1-1/2	2-12/64	SPS150212	**
1-1/2	2-16/64	SPS150216	**
1-1/2	2-20/64	SPS150220	**
1-1/2	2-24/64	SPS150224	**
2	2-16/64	SPS200216	**
2	2-24/64	SPS200224	**
2	2-28/64	SPS200228	**
2	2-32/64	SPS200232	**
2	2-36/64	SPS200236	**
2	2-40/64	SPS200240	**
2	2-44/64	SPS200244	**
2	2-48/64	SPS200248	**
2	2-52/64	SPS200252	**
2	2-56/64	SPS200256	**
2	2-60/64	SPS200260	**
2	3	SPS200300	**
2	3-2/64	SPS200302	**
2-1/2	3	SPS250300	**
2-1/2	3-8/64	SPS250308	**
2-1/2	3-16/64	SPS250316	**
2-1/2	3-24/64	SPS250324	**
2-1/2	3-32/64	SPS250332	**
2-1/2	3-34/64	SPS250334	**
3	3-16/64	SPS300316	**
3	3-24/64	SPS300324	**
3	3-28/64	SPS300328	**
3	3-32/64	SPS300332	**
3	3-36/64	SPS300336	**
3	3-40/64	SPS300340	**
3	3-44/64	SPS300344	**
3	3-48/64	SPS300348	**
3	3-52/64	SPS300352	**
3	3-56/64	SPS300356	**
3	3-60/64	SPS300360	**
3	4	SPS300400	**
3	4-2/64	SPS300402	**
4	4-16/64	SPS400416	**
4	4-24/64	SPS400424	**
4	4-32/64	SPS400432	**
4	4-36/64	SPS400436	**
4	4-40/64	SPS400440	**
4	4-44/64	SPS400444	**
4	4-48/64	SPS400448	**
4	4-52/64	SPS400452	**
4	4-56/64	SPS400456	**
4	4-60/64	SPS400460	**
4	5	SPS400500	**
4	5-2/64	SPS400502	**
5	5-36/64	SPS500536	**
5	5-48/64	SPS500548	**
5	5-60/64	SPS500560	**
6	6-16/64	SPS600616	**
6	6-24/64	SPS600624	**
6	6-32/64	SPS600632	**
6	6-40/64	SPS600640	**
6	6-48/64	SPS600648	**
6	6-56/64	SPS600656	**
6	6 7	SPS600700	**
6	6 7-8/64	SPS600708	**
6	6 7-16/64	SPS600716	**
6	6 7-24/64	SPS600724	**
8	8-16/64	SPS800816	**
8	8-32/64	SPS800832	**
8	8-40/64	SPS800840	**
8	8-48/64	SPS800848	**
8	9	SPS800900	**
8	9-16/64	SPS800916	**
8	9-32/64	SPS800932	**
8	9-40/64	SPS800940	**
8	9-48/64	SPS800948	**
10	10-32/64	SPS101032	**
10	10-48/64	SPS101048	**
10	10-56/64	SPS101056	**
10	11	SPS101100	**
10	11-16/64	SPS101116	**
10	11-32/64	SPS101132	**
10	11-48/64	SPS101148	**
12	12-32/64	SPS121232	**
12	12-48/64	SPS121248	**

continued on next page

SLEEVES (continued from previous page)

304 Stainless

hose size	sleeve i.d.	part number	list each
3/4	1-4/64	SSS075104	**
3/4	1-8/64	SSS075108	**
3/4	1-12/64	SSS075112	**
3/4	1-16/64	SSS075116	**
3/4	1-24/64	SSS075124	**
1	1-16/64	SSS100116	**
1	1-20/64	SSS100120	**
1	1-24/64	SSS100124	**
1	1-28/64	SSS100128	**
1	1-32/64	SSS100132	**
1	1-36/64	SSS100136	**
1	1-40/64	SSS100140	**
1	1-44/64	SSS100144	**
1	1-48/64	SSS100148	**
1-1/4	1-56/64	SSS125156	**
1-1/4	2	SSS125200	**
1-1/2	1-52/64	SSS150152	**
1-1/2	1-56/64	SSS150156	**
1-1/2	1-60/64	SSS150160	**
1-1/2	2	SSS150200	**
1-1/2	2-4/64	SSS150204	**
1-1/2	2-8/64	SSS150208	**
1-1/2	2-12/64	SSS150212	**
1-1/2	2-16/64	SSS150216	**
1-1/2	2-20/64	SSS150220	**
1-1/2	2-24/64	SSS150224	**
2	2-16/64	SSS200216	**
2	2-24/64	SSS200224	**
2	2-28/64	SSS200228	**
2	2-32/64	SSS200232	**
2	2-36/64	SSS200236	**
2	2-40/64	SSS200240	**
2	2-44/64	SSS200244	**
2	2-48/64	SSS200248	**
2	2-52/64	SSS200252	**
2	2-56/64	SSS200256	**
2	2-60/64	SSS200260	**
2	3	SSS200300	**
2	3-2/64	SSS200302	**
2-1/2	3	SSS250300	**
2-1/2	3-8/64	SSS250308	**
2-1/2	3-16/64	SSS250316	**
2-1/2	3-24/64	SSS250324	**
2-1/2	3-32/64	SSS250332	**
2-1/2	3-34/64	SSS250334	**
3	3-24/64	SSS300324	**
3	3-28/64	SSS300328	**
3	3-32/64	SSS300332	**
3	3-36/64	SSS300336	**
3	3-40/64	SSS300340	**
3	3-44/64	SSS300344	**
3	3-48/64	SSS300348	**
3	3-52/64	SSS300352	**
3	3-56/64	SSS300356	**
3	3-60/64	SSS300360	**
3	4	SSS300400	**
3	4-2/64	SSS300402	**
4	4-32/64	SSS400432	**
4	4-36/64	SSS400436	**
4	4-40/64	SSS400440	**
4	4-44/64	SSS400444	**
4	4-48/64	SSS400448	**
4	4-52/64	SSS400452	**
4	4-56/64	SSS400456	**
4	4-60/64	SSS400460	**
4	5	SSS400500	**
4	5-2/64	SSS400502	**
6	6-16/64	SSS600616	**
6	6-24/64	SSS600624	**
6	6-32/64	SSS600632	**
6	6-40/64	SSS600640	**
6	6-48/64	SSS600648	**
6	6-56/64	SSS600656	**
6	7	SSS600700	**
6	7-8/64	SSS600708	**
6	7-16/64	SSS600716	**
8	7-24/64	SSS600724	**
8	8-48/64	SSS800848	**
9	9	SSS800900	**
10		SSS101xxx	**
12		SSS121xxx	**

Aluminum

2	2-28/64	SAL200228	**
2	2-32/64	SAL200232	**
2	2-36/64	SAL200236	**
2	2-40/64	SAL200240	**
2	2-44/64	SAL200244	**
2	2-48/64	SAL200248	**
2	2-52/64	SAL200252	**
2	2-56/64	SAL200256	**
2	2-60/64	SAL200260	**
2	3	SAL200300	**
3	3-32/64	SAL300332	**
3	3-36/64	SAL300336	**
3	3-40/64	SAL300340	**
3	3-44/64	SAL300344	**
3	3-48/64	SAL300348	**
3	3-52/64	SAL300352	**
3	3-56/64	SAL300356	**
3	3-60/64	SAL300360	**
3	4	SAL300400	**
3	4-4/64	SAL300404	**
4	4-36/64	SAL400436	**
4	4-40/64	SAL400440	**
4	4-44/64	SAL400444	**
4	4-48/64	SAL400448	**
4	4-52/64	SAL400452	**
4	4-56/64	SAL400456	**
4	4-60/64	SAL400460	**
4	5	SAL400500	**
4	5-4/64	SAL400504	**
4	5-8/64	SAL400508	**
6	6-32/64	SAL600632	**
6	6-40/64	SAL600640	**
6	6-48/64	SAL600648	**
6	4-56/64	SAL600656	**

SLEEVES
for use with products shown below:



Combination Nipples
Section A



Suction Hose Couplings
Section A



Ball & Socket Couplings
Section A

Plated Steel

hose size	sleeve i.d.	part number	list each
1/2	1	SPS050100S	**
3/4	1-8/64	SPS075108S	**
3/4	1-12/64	SPS075112S	**
3/4	1-16/64	SPS075116S	**
3/4	1-20/64	SPS075120S	**
3/4	1-24/64	SPS075124S	**
1	1-28/64	SPS100128S	**
1	1-32/64	SPS100132S	**
1	1-36/64	SPS100136S	**
1	1-40/64	SPS100140S	**
1	1-44/64	SPS100144S	**
1	1-48/64	SPS100148S	**
1-1/4	1-40/64	SPS125140S	**
1-1/4	1-48/64	SPS125148S	**
1-1/4	1-52/64	SPS125152S	**
1-1/4	1-56/64	SPS125156S	**
1-1/2	1-60/64	SPS150160S	**
1-1/2	2	SPS150200S	**
1-1/2	2-4/64	SPS150204S	**
1-1/2	2-8/64	SPS150208S	**
1-1/2	2-12/64	SPS150212S	**
1-1/2	2-16/64	SPS150216S	**
1-1/2	2-20/64	SPS150220S	**
1-1/2	2-24/64	SPS150224S	**
2	2-8/64	SPS200208S	**
2	2-16/64	SPS200216S	**
2	2-24/64	SPS200224S	**
2	2-28/64	SPS200228S	**
2	2-32/64	SPS200232S	**
2	2-36/64	SPS200236S	**
2	2-40/64	SPS200240S	**
2	2-44/64	SPS200244S	**
2	2-48/64	SPS200248S	**
2	2-52/64	SPS200252S	**
2	2-56/64	SPS200256S	**
2	2-60/64	SPS200260S	**
2	3	SPS200300S	**
2-1/2	2-48/64	SPS250248S	**
2-1/2	2-56/64	SPS250256S	**
2-1/2	3	SPS250300S	**
2-1/2	3-8/64	SPS250308S	**
2-1/2	3-16/64	SPS250316S	**
2-1/2	3-24/64	SPS250324S	**
2-1/2	3-32/64	SPS250332S	**
3	3-8/64	SPS300308S	**
3	3-16/64	SPS300316S	**
3	3-24/64	SPS300324S	**
3	3-28/64	SPS300328S	**
3	3-32/64	SPS300332S	**
3	3-36/64	SPS300336S	**
3	3-40/64	SPS300340S	**
3	3-44/64	SPS300344S	**
3	3-48/64	SPS300348S	**
3	3-52/64	SPS300352S	**
3	3-56/64	SPS300356S	**
3	3-60/64	SPS300360S	**
3	4	SPS300400S	**
4	4-16/64	SPS400416S	**
4	4-24/64	SPS400424S	**
4	4-32/64	SPS400432S	**
4	4-36/64	SPS400436S	**
4	4-40/64	SPS400440S	**
4	4-44/64	SPS400444S	**
4	4-48/64	SPS400448S	**
4	4-52/64	SPS400452S	**
4	4-56/64	SPS400456S	**
4	4-60/64	SPS400460S	**
4	5	SPS400500S	**
5	5-36/64	SPS500536	**
5	5-48/64	SPS500548	**
5	5-60/64	SPS500560	**
6	6-16/64	SPS600616	**
6	6-24/64	SPS600624	**
6	6-32/64	SPS600632	**
6	6-40/64	SPS600640	**
6	6-48/64	SPS600648	**
6	6-56/64	SPS600656	**
6	7	SPS600700	**
6	7-8/64	SPS600708	**
6	7-16/64	SPS600716	**
6	7-24/64	SPS600724	**
8	8-16/64	SPS800816	**
8	8-32/64	SPS800832	**
8	8-40/64	SPS800840	**
8	8-48/64	SPS800848	**
8	9	SPS800900	**
8	9-16/64	SPS800916	**
8	9-32/64	SPS800932	**
8	9-40/64	SPS800940	**
8	9-48/64	SPS800948	**
10	10-32/64	SPS101032	**
10	10-48/64	SPS101048	**
10	10-56/64	SPS101056	**
10	11	SPS101100	**
10	11-16/64	SPS101116	**
10	11-32/64	SPS101132	**
10	11-48/64	SPS101148	**
12	12-32/64	SPS121232	**
12	12-48/64	SPS121248	**

304 Stainless

hose size	sleeve i.d.	part number	list each
1/2	1	SSS050100S	**
3/4	1-4/64	SSS075104S	**
3/4	1-8/64	SSS075108S	**
3/4	1-12/64	SSS075112S	**
3/4	1-16/64	SSS075116S	**
3/4	1-20/64	SSS075120S	**
3/4	1-24/64	SSS075124S	**
3/4	1-28/64	SSS075128S	**
1	1-32/64	SSS100132S	**
1	1-36/64	SSS100136S	**
1	1-40/64	SSS100140S	**
1	1-44/64	SSS100144S	**
1	1-48/64	SSS100148S	**
1-1/4	1-40/64	SSS125140S	**
1-1/4	1-48/64	SSS125148S	**
1-1/4	1-52/64	SSS125152S	**
1-1/4	1-56/64	SSS125156S	**
1-1/2	1-50/64	SSS150150S	**
1-1/2	2	SSS150200S	**
1-1/2	2-4/64	SSS150204S	**
1-1/2	2-8/64	SSS150208S	**
1-1/2	2-12/64	SSS150212S	**
1-1/2	2-16/64	SSS150216S	**
1-1/2	2-20/64	SSS150220S	**
1-1/2	2-24/64	SSS150224S	**
2	2-8/64	SSS200208S	**
2	2-16/64	SSS200216S	**
2	2-24/64	SSS200224S	**
2	2-28/64	SSS200228S	**
2	2-32/64	SSS200232S	**
2	2-36/64	SSS200236S	**
2	2-40/64	SSS200240S	**
2	2-44/64	SSS200244S	**
2	2-48/64	SSS200248S	**
2	2-52/64	SSS200252S	**
2	2-56/64	SSS200256S	**
2	2-60/64	SSS200260S	**
2-1/2	3	SSS250300S	**
2-1/2	3-8/64	SSS250308S	**
2-1/2	3-16/64	SSS250316S	**
2-1/2	3-24/64	SSS250324S	**
2-1/2	3-32/64	SSS250332S	**
3	3-8/64	SSS300308S	**
3	3-16/64	SSS300316S	**
3	3-24/64	SSS300324S	**
3	3-24/64	SSS300328S	**
3	3-28/64	SSS300332S	**
3	3-36/64	SSS300336S	**
3	3-40/64	SSS300340S	**
3	3-44/64	SSS300344S	**
3	3-48/64	SSS300348S	**
3	3-52/64	SSS300352S	**
3	3-56/64	SSS300356S	**
3	3-60/64	SSS300360S	**
3	4	SSS300400S	**
4	4-16/64	SSS400416S	**
4	4-24/64	SSS400424S	**
4	4-32/64	SSS400432S	**
4	4-36/64	SSS400436S	**
4	4-40/64	SSS400440S	**
4	4-44/64	SSS400444S	**
4	4-48/64	SSS400448S	**
4	4-52/64	SSS400452S	**
4	4-56/64	SSS400456S	**
4	4-60/64	SSS400460S	**
4	5	SSS400500S	**
6	6-16/64	SSS600616	**
6	6-24/64	SSS600624	**
6	6-32/64	SSS600632	**
6	6-40/64	SSS600640	**
6	6-48/64	SSS600648	**
6	6-56/64	SSS600656	**
6	7	SSS600700	**
6	7-8/64	SSS600708	**
6	7-16/64	SSS600716	**
6	7-24/64	SSS600724	**
8	8-48/64	SSS800848	**
9	9	SSS800900	**
10		SSS101XXX	**
12		SSS121XXX	**

Glossary of Campbell Crimpnology™ Terms

Crimp Chart: a chart designed to assist in determining the crimp spec, which includes allowances for serration style, fitting and ferrule/sleeve O.D. and design.

Crimp Spec (or specification): the outside diameter of the ferrule/sleeve after assembling and crimping.

Cut-slots: notches cut into the turned-in end of a ferrule that allows the interlock portion to crimp straight down into the fitting interlock without opening outward during crimping.

Ferrule: a tube-like product with one end turned in, so as to affect an interlock into a groove on a mating fitting or coupling.

Ferrule Length: the overall length of the ferrule as measured from the turn-in end to the open end.

Ferrule/Sleeve I.D.: the inside bowl diameter of the ferrule; the inside diameter of the sleeve; the inside diameter of either where the hose is placed.

Gauge: the thickness of the ferrule/sleeve material.

Interlock Groove: a groove designed into the fitting/coupling to accept the turn-in end of the ferrule.

Shank Length: the hose barb area measured from the end of the fitting to the interlock groove.

Sleeve: a tube-like product with no interlock provisions.

Sleeve Length: the overall length of the sleeve from end to end.

Turn-in: the interlocking end of the ferrule.



Small Diameter Multi-Purpose Fittings

MALE & FEMALE INSERT FITTINGS

Insert fittings are precision screw machined in steel, stainless steel and brass.

Recommended use

• Low pressure air, water

Recommended hose attachment

• Brass Crimp-on Ferrules
• Worm Gear Clamps
• Preformed Band Clamps

BRASS PUSH-ON FITTINGS



Recommended use

• Low pressure air, water

Recommended hose attachment

• None - When used with special Push-on Hose, no clamp or ferrule is needed. The liner of the hose grabs securely onto the barb of the fitting.

DO NOT use Push-on Fittings with conventional hose.

BRASS GARDEN HOSE COUPLINGS

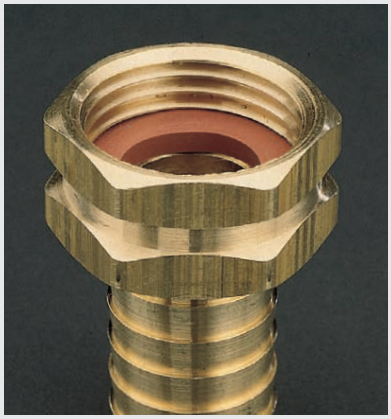
Precision screw machined from brass. Available with short shank or long shank.

Recommended use

• Low pressure water

Recommended hose attachment

• Brass Crimp-on Ferrules
• Worm Gear Clamps
• Preformed Band Clamps



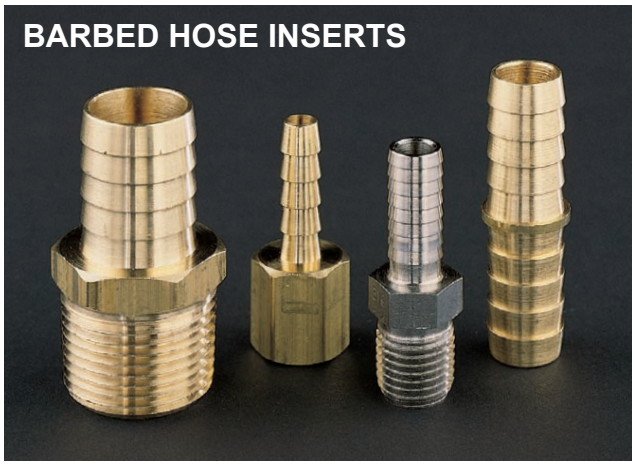
BRASS FERRULES

Brass ferrules are lightweight, easy to assemble, and provide a smooth outer surface.

Recommended use

• Crimp-on hose assemblies to secure hose and fittings for low-pressure air and water applications

BARBED HOSE INSERTS



MALE INSERT



Plated Steel

hose x npt	part number	list each
1/4 X 1/8	SM-0402	**
1/4 X 1/4	SM-0404	**
1/4 X 3/8	SM-0406	**
3/8 X 1/8	SM-0602	**
3/8 X 1/4	SM-0604	**
3/8 X 3/8	SM-0606	**
3/8 X 1/2	SM-0608	**
1/2 X 1/4	SM-0804	**
1/2 X 3/8	SM-0806	**
1/2 X 1/2	SM-0808	**
1/2 X 3/4	SM-0812	**
3/4 X 1/2	SM-1208	**
3/4 X 3/4	SM-1212	**
1 X 3/4	SM-1612	**
1 X 1	SM-1616	**

316 Stainless

1/4 X 1/8	SSM-0402	**
1/4 X 1/4	SSM-0404	**
1/4 X 3/8	SSM-0406	**
3/8 X 1/4	SSM-0604	**
3/8 X 3/8	SSM-0606	**
3/8 X 1/2	SSM-0608	**
1/2 X 1/4	SSM-0804	**
1/2 X 3/8	SSM-0806	**
1/2 X 1/2	SSM-0808	**
1/2 X 3/4	SSM-0812	**
5/8 X 1/2	SSM-1008	**
3/4 X 1/2	SSM-1208	**
3/4 X 3/4	SSM-1212	**
3/4 X 1	SSM-1216	**
1 X 3/4	SSM-1612	**
1 X 1	SSM-1616	**

Brass

hose x npt	part number	list/ 100	carton qty
1/4 X 1/8	BM-0402	**	25
1/4 X 1/4	BM-0404	**	25
1/4 X 3/8	BM-0406	**	25
5/16 X 1/8	BM-0502	**	25
5/16 X 1/4	BM-0504	**	25
3/8 X 1/8	BM-0602	**	25
3/8 X 1/4	BM-0604	**	25
3/8 X 3/8	BM-0606	**	25
3/8 X 1/2	BM-0608	**	25
1/2 X 1/4	BM-0804	**	25
1/2 X 3/8	BM-0806	**	25
1/2 X 1/2	BM-0808	**	25
1/2 X 3/4	BM-0812	**	25
5/8 X 3/8	BM-1006	**	25
5/8 X 1/2	BM-1008	**	25
5/8 X 3/4	BM-1012	**	25
3/4 X 1/2	BM-1208	**	25
3/4 X 3/4	BM-1212	**	25
1 X 3/4	BM-1612	**	25
1 X 1	BM-1616	**	25
1-1/4 X 1	BM-2016	**	25

FEMALE INSERT



Brass

hose x npt	part number	list/ 100	carton qty
1/4 X 1/8	BF-0402	**	25
1/4 X 1/4	BF-0404	**	25
5/16 X 1/4	BF-0504	**	25
1/2 X 3/8	BF-0806	**	25
1/2 X 1/2	BF-0808	**	25

HOSE MENDER



Brass

hose size	part number	list/ 100	carton qty
1/4 X 1/4	BH-0404	**	25
5/16 X 5/16	BH-0505	**	25
3/8 X 3/8	BH-0606	**	25
1/2 X 1/2	BH-0808	**	25
5/8 X 5/8	BH-1010	**	25
3/4 X 3/4	BH-1212	**	25

FEMALE SWIVEL (with ball seat)



Brass

hose x npsm	part number	list/ 100	carton qty
1/4 X 1/4	BFS-0404	**	25
5/16 X 1/4	BFS-0504	**	25
3/8 X 1/4	BFS-0604	**	25
3/8 X 3/8	BFS-0606	**	25
1/2 X 3/8	BFS-0806	**	25
1/2 X 1/2	BFS-0808	**	25
3/4 X 3/4	BFS-1212	**	25

PHONE 800-367-3678
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SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM





MALE PUSH-ON



hose x npt	part number	list/ 100	carton qty
1/4 X 1/8	BMP-0402	**	25
1/4 X 1/4	BMP-0404	**	25
1/4 X 3/8	BMP-0406	**	25
5/16 X 1/4	BMP-0504	**	25
3/8 X 1/8	BMP-0602	**	25
3/8 X 1/4	BMP-0604	**	25
3/8 X 3/8	BMP-0606	**	25
3/8 X 1/2	BMP-0608	**	25
1/2 X 1/4	BMP-0804	**	25
1/2 X 3/8	BMP-0806	**	25
1/2 X 1/2	BMP-0808	**	25
1/2 X 3/4	BMP-0812	**	25
5/8 X 3/8	BMP-1008	**	25
5/8 X 1/2	BMP-1012	**	25
3/4 X 1/2	BMP-1208	**	25
3/4 X 3/4	BMP-1212	**	25

FEMALE PUSH-ON



hose x npt	part number	list/ 100	carton qty
1/4 X 1/8	BFP-0402	**	25
1/4 X 1/4	BFP-0404	**	25
5/16 X 1/4	BFP-0504	**	25
3/8 X 1/4	BFP-0604	**	25
3/8 X 3/8	BFP-0606	**	25
1/2 X 3/8	BFP-0806	**	25
1/2 X 1/2	BFP-0808	**	25

HOSE MENDER PUSH-ON



hose size	part number	list/ 100	carton qty
1/4 X 1/4	BHP-0404	**	25
5/16 X 5/16	BHP-0505	**	25
3/8 X 3/8	BHP-0606	**	25
1/2 X 1/2	BHP-0808	**	25
5/8 X 5/8	BHP-1010	**	25
3/4 X 3/4	BHP-1212	**	25

GARDEN HOSE SET



hose size	part number	list each	carton qty
3/8	GHS-06	**	25
1/2	GHS-08	**	25
5/8	GHS-10	**	25
3/4	GHS-12	**	25
1(NPSH)	NPS-16	**	25

GARDEN HOSE FEMALE



hose size	part number	list each	carton qty
3/8	GHF-06	**	25
1/2	GHF-08	**	25
5/8	GHF-10	**	25
3/4	GHF-12	**	25
1(NPSH)	NPF-16	**	25

GARDEN HOSE MALE



hose size	part number	list each	carton qty
3/8	GHM-06	**	25
1/2	GHM-08	**	25
5/8	GHM-10	**	25
3/4	GHM-12	**	25
1(NPSH)	NPM-16	**	25

WASHER

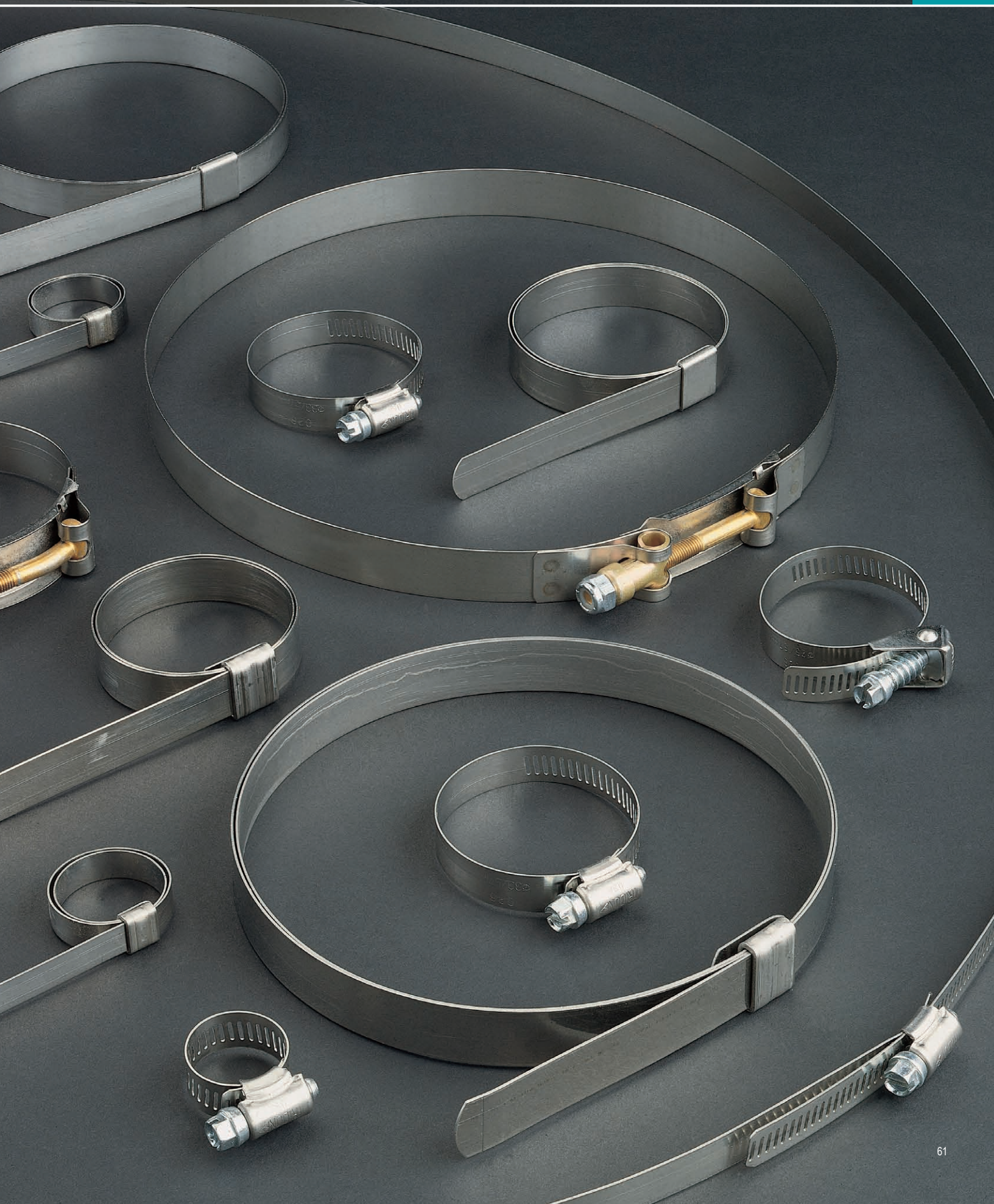


washer size	part number	list/ 100	carton qty
3/4	GHW-12	**	100
1(NPSH)	GHW-16	**	100

BRASS FERRULES



i.d. x length	pierce dia.	part number	list/ 100	bag qty.
0.410 X 0.500	0.266	F-222	**	50
0.450 X 0.563	0.344	F-316	**	50
0.478 X 0.687	0.328	F-157	**	50
0.500 X 0.500	0.344	F-225	**	50
0.500 X 1.000	0.344	F-265	**	50
0.525 X 0.500	0.344	F-230	**	50
0.525 X 1.000	0.375	F-268	**	50
0.531 X 1.000	0.438	F-273	**	50
0.548 X 0.484	0.375	F-236	**	50
0.562 X 1.000	0.438	F-278	**	50
0.575 X 0.484	0.438	F-031	**	50
0.593 X 1.000	0.438	F-284	**	50
0.600 X 0.500	0.500	F-030	**	50
0.625 X 0.500	0.500	F-028	**	50
0.625 X 1.000	0.438	F-288	**	50
0.650 X 0.500	0.500	F-025	**	50
0.656 X 1.000	0.438	F-294	**	50
0.675 X 0.516	0.500	F-022	**	50
0.687 X 1.000	0.500	F-300	**	50
0.700 X 0.516	0.500	F-018	**	50
0.718 X 1.000	0.625	F-302	**	50
0.718 X 1.000	0.500	F-302B	**	50
0.725 X 0.531	0.500	F-016	**	50
0.750 X 0.531	0.500	F-013	**	50
0.750 X 1.000	0.625	F-305	**	50
0.750 X 1.000	0.500	F-305B	**	50
0.775 X 0.563	0.500	F-009	**	50
0.782 X 1.000	0.625	F-310	**	50
0.782 X 1.000	0.500	F-310B	**	50
0.812 X 1.000	0.562	F-314	**	50
0.825 X 0.547	0.625	F-001	**	50
0.875 X 0.844	0.562	F-255	**	50
0.937 X 0.844	0.688	F-242	**	50
0.975 X 0.844	0.688	F-181	**	50
1.150 X 0.844	0.875	F-241	**	50



PREFORMED BAND CLAMPS, BANDING, BUCKLES, AND TOOLS



CENTER PUNCH CLAMPS

Strapbinder's double wrapped center punch preformed hose clamps are available in various materials and diameters to satisfy a wide variety of applications.

SMOOTH SEAL™ J-SERIES CLAMPS

Strapbinder J-Series clamps are ideal for most industrial hose clamping applications.

POW'R-TIGHT™ CLAMPS

The Strapbinder Pow'r-Tight clamps deliver best-in-class performance for demanding applications ideal for thick walled and higher durometer hose.Stronger than the J-Series clamp, the Pow'r-Tight is constructed with 3/4" wide T201 1/4" hard stainless steel for exceptional band strength. The Pow'r-Tight has a smooth seal design for gap free contact, a heavy duty buckle, and is double wrapped to provide optimal holding power.

POW'R-WRAP™ TIES

The Strapbinder Pow'r-Wrap is a stainless steel tie that is dependable, easy to apply, and can be used in a broad range of fastening, securing, and sealing applications. The Pow'r-Wrap is constructed with 304 stainless steel for exceptional corrosion resistance in outdoor environments. The tie is a smooth seal design for gap free contact & tensions, cuts and locks for quick and easy application. It can be used for the securement of ducting, tags, hoses, cable bundles and constant velocity boots.

GRIPCLAMP TOOL

Strapbinder's battery powered GripClamp tool tensions, locks and cuts the strap, eliminating the need for multiple tools, saving you time and money. Its versatile design can be used for J-Series, center punch and band and buckle applications.

For more product details, visit CampbellFittings.com to download the Strapbinder catalog.

WORM GEAR & T-BOLT CLAMPS



Worm gear clamps are available in multiple styles including Micro-Gear, Hy-Gear, Snaplock, and Lined.



T-bolt clamps provide uniform sealing pressure for a positive, reliable seal. Designed for use in high vibration and large diameter applications common in heavy trucks, industrial machinery, off-road equipment, agricultural irrigation and machinery.

For more product details, visit CampbellFittings.com to download the Ideal Tridon catalog.

PREFORMED BAND CLAMPS



CENTER PUNCH

201 Stainless

clamp width	clamp id.	part number	list/ 100	carton qty.
3/8	13/16	HBCP3S	**	100
3/8	1-3/8	HBCP311S	**	100
5/8	1	HBCP4S	**	100
5/8	1-1/4	HBCP5S	**	100
5/8	1-1/2	HBCP6S	**	100
5/8	1-3/4	HBCP7S	**	100
5/8	2	HBCP8S	**	100
5/8	2-1/4	HBCP9S	**	100
5/8	2-1/2	HBCP10S	**	50
5/8	2-3/4	HBCP11S	**	50
5/8	3	HBCP12S	**	50
5/8	3-1/2	HBCP14S	**	50
5/8	4	HBCP16S	**	25
5/8	4-1/2	HBCP18S	**	25
5/8	5	HBCP20S	**	25
5/8	6	HBCP24S	**	25
5/8	7	HBCP28S	**	25
5/8	8	HBCP32S	**	25

Galvanized Steel

clamp width	clamp id.	part number	list/ 100	carton qty.
3/8	13/16	HBCP3	**	100
3/8	1-3/8	HBCP311	**	100
5/8	1	HBCP4	**	100
5/8	1-1/4	HBCP5	**	100
5/8	1-1/2	HBCP6	**	100
5/8	1-3/4	HBCP7	**	100
5/8	2	HBCP8	**	100
5/8	2-1/4	HBCP9	**	100
5/8	2-1/2	HBCP10	**	50
5/8	2-3/4	HBCP11	**	50
5/8	3	HBCP12	**	50
5/8	3-1/2	HBCP14	**	50
5/8	4	HBCP16	**	25
5/8	4-1/2	HBCP18	**	25
5/8	5	HBCP20	**	25
5/8	6	HBCP24	**	25
5/8	7	HBCP28	**	25
5/8	8	HBCP32	**	25

SMOOTH SEAL™ J-SERIES

201 Stainless

clamp width	clamp id.	part number	list/ 100	carton qty.
1/4	1	HBJS242	**	100
1/4	1-3/8	HBJS241	**	100
3/8	13/16	HBJS201	**	100
3/8	1	HBJS243	**	100
3/8	1-3/8	HBJS202	**	100
3/8	2	HBJS245	**	100
1/2	1	HBJS203	**	100
1/2	1-1/4	HBJS204	**	100
5/8	1-1/2	HBJS205	**	100
5/8	1-3/4	HBJS206	**	100
5/8	2	HBJS207	**	100
5/8	2-1/4	HBJS208	**	100
5/8	2-1/2	HBJS209	**	100
3/4	2-3/4	HBJS210	**	50
3/4	3	HBJS211	**	50
3/4	3-1/2	HBJS212	**	50
3/4	4	HBJS213	**	25
3/4	4-1/2	HBJS214	**	25
3/4	5	HBJS215	**	25
3/4	6	HBJS216	**	25
3/4	7	HBJS218	**	25
3/4	8	HBJS219	**	25

Galvanized Steel

clamp width	clamp id.	part number	list/ 100	carton qty.
3/8	13/16	HBJS301	**	100
3/8	1	HBJS343	**	100
3/8	1-3/8	HBJS302	**	100
1/2	1-1/4	HBJS304	**	100
5/8	1-1/2	HBJS305	**	100
5/8	1-3/4	HBJS306	**	100
5/8	2	HBJS307	**	100
5/8	2-1/2	HBJS309	**	100
3/4	3	HBJS311	**	50
3/4	3-1/2	HBJS312	**	50
3/4	4	HBJS313	**	25
3/4	4-1/2	HBJS314	**	25
3/4	4	HBJS315	**	25

POW'R-TIGHT™ CLAMP

201 Stainless

clamp width	clamp id.	part number	list/ 100	carton qty.
3/4	2	HDSL227	**	100
3/4	2-1/4	HDSL210	**	50
3/4	3	HDSL211	**	50
3/4	3-1/2	HDSL212	**	50
3/4	4	HDSL213	**	25
3/4	4-1/2	HDSL214	**	25
3/4	5	HDSL215	**	25
3/4	6	HDSL216	**	25
3/4	6-1/2	HDSL217	**	25
3/4	7	HDSL218	**	25
3/4	8	HDSL219	**	25
3/4	9	HDSL228	**	10

PHONE 800-367-3678
FAX 800-367-3670
SALES@CAMPBELLFITTINGS.COM
WWW.CAMPBELLFITTINGS.COM

POW'R-WRAP™ TIES

304 Stainless Steel

clamp width	clamp length	part number	list/ 100	carton qty
1/4	10	HBPW211	**	500
1/4	16.5	HBPW212	**	500
1/4	22.5	HBPW213	**	500
1/4	29	HBPW214	**	500
1/4	35	HBPW215	**	500

IDENTIFICATION TAGS

304 Stainless Steel

width in.	length in.	part number	list/ 100	carton qty
3/4	3-1/2	ST750350	**	100

316 Stainless Steel

3/4	2	ST750200	**	100
1-1/2	2-12	ST150250	**	100

BANDING, BUCKLES, AND TOOLS

100FT. SELF DISPENSING COILS

304 Stainless

band width	part number	list/ 100ft.	qty/coil
1/4	ST202	**	100 ft.
3/8	ST203	**	100 ft.
1/2	ST204	**	100 ft.
5/8	ST205	**	100 ft.
3/4	ST206	**	100 ft.
1/2	ST404	**	100 ft.
3/4	ST406	**	100 ft.

100FT. PLASTIC TOTES

201 Stainless

band width	part number	list/ 100ft.	qty/coil
1/2	ST204B	**	100 ft.
5/8	ST205G	**	100 ft.
3/4	ST206R	**	100 ft.

BIGBINDER BAND

201 Stainless

band width	part number	list/ 100ft.	qty/coil
3/4	ST430	**	100 ft.
1	ST431	**	100 ft.
1-1/4	ST432	**	100 ft.

BUCKLES

Ear Style - 201 Stainless Steel

width	part number	list/ 100	carton qty
1/4	ST252	**	100
3/8	ST253	**	100
1/2	ST254	**	100
5/8	ST255	**	100
3/4	ST256	**	100

Heavy Duty - 201 Stainless Steel

3/4	ST440	**	25
1	ST441	**	25
1	ST442	**	25

WING SEALS

304 Stainless Steel

width	part number	list/ 100	carton qty
1/2	ST154	**	100
3/4	ST156	**	100

SCREWBINDER™ BUCKLES

201 Stainless Steel

width	part number	list/ 100	carton qty
3/4	ST726	**	25

GRIP CLAMP TOOL

part number	description	list each
800500	Battery Powered J-Series Clamping Tool	**
800505	Battery Powered J-Series Bench Mounted System	**
800800	Battery Powered Center Punch Tensioning Tool	**
800805	Battery Powered Band and Buckle Tensiong Tool	**

GRIP CLAMP TOOL ACCESSORIES

part number	description	list each
800638	Center Punch Attachment	**
800637	Band and Buckle Attachment	**
800802	J-Series Attachment	**
800293	18V Lithium Ion Battery	**
800294	Charger	**
800489	Foot Petal	**
800506	Bench Mount Fixture	**
800521	Spare Battery & Charger	**

CENTER PUNCH TOOL & ADAPTER

part number	description	list each
HBC-300	for 5/8" wide clamps	**
HBC-032	adapter for 3/8" clamps	**

F38

part number	description	list each
F38	light duty rachet tool for 2/8" and 5/8" clamps	**

SPIN TIGHT TOOL

part number	description	list each
ST402B	for heavy duty applications	**

SPIN TIGHT TOOL

part number	description	list each
ST-001	spin tight tensioner	**
HBJ-001	adaptor for ST-001	**



MICRO GEAR 62M

Screw: 302 Stainless Steel
Band: 301 Stainless Steel

size	min	max	part number	list/ 100	carton qty
04	5/16	5/8	62604	**	10
05	5/16	3/4	62M05	**	10
06	5/16	7/8	62606	**	10
08	7/16	1	62M08	**	10
10	1/2	1-1/16	62M10	**	10
12	9/16	1-1/4	62M12	**	10
16	11/16	1-1/2	62M16	**	10
20	3/4	1-3/4	62M20	**	10

MICRO GEAR 62P

Screw: Plated Carbon Steel
Band: 301 Stainless Steel

size	min	max	part number	list/ 100	carton qty
04	5/16	5/8	6204	**	10
05	5/16	3/4	62P05	**	10
06	5/16	7/8	6206	**	10
08	7/16	1	62P08	**	10
10	1/2	1-1/16	62P10	**	10
12	9/16	1-1/4	62P12	**	10
16	11/16	1-1/2	62P16	**	10
20	3/4	1-3/4	62P20	**	10

1/2" HY-GEAR 67-4

Screw: 305 Stainless Steel
Band: 301 Stainless Steel

size	min	max	part number	list/ 100	carton qty
6	3/8	7/8	67004-0006	**	10
8	7/16	1	67004-0008	**	10
10	1/2	1-1/16	67004-0010	**	10
12	1/2	1-1/4	67004-0012	**	10
16	11/16	1-1/2	67004-0016	**	10
20	3/4	1-3/4	67004-0020	**	10
24	1	2	67004-0024	**	10
28	1-1/4	2-1/4	67004-0028	**	10
32	1-1/2	2-1/2	67004-0032	**	10
36	3/4	2-3/4	67004-0036	**	10
40	1	3	67004-0040	**	10
44	1-1/4	3-1/4	67004-0044	**	10
48	1-1/2	3-1/2	67004-0048	**	10
52	1-3/4	3-3/4	67004-0052	**	10
56	2	4	67004-0056	**	10
60	2-1/4	4-1/4	67004-0060	**	10
64	2-1/2	4-1/2	67004-0064	**	10
72	3	5	67004-0072	**	10
80	3-1/2	5-1/2	67004-0080	**	10
88	4	6	67004-0088	**	10
96	4-1/2	6-1/2	67004-0096	**	10
104	5	7	67004-0104	**	10
128	6-1/2	8-1/2	67004-0128	**	10
152	2	10	67004-0152	**	10
164	1-3/4	10-3/4	67004-0164	**	10
188	2	12-1/4	67004-0188	**	10
208	11-1/4	13-1/2	67004-0208	**	10
212	11-1/2	13-3/4	67004-0212	**	10
224	12-1/2	14-1/2	67004-0224	**	10
236	13-1/4	15-1/4	67004-0236	**	10
248	1-3/4	16	67004-0248	**	10
270	15-1/4	17-1/2	67004-0270	**	10
312	18	20	67004-0312	**	10
332	19-1/4	21-1/4	67004-0332	**	10
390	14-1/2	25	67004-0390	**	10
569	32	36-1/4	67004-0569	**	10

9/16” HY-GEAR 63-4

Screw: 305 Stainless Steel
Band: 301 Stainless Steel

size	min	max	part number	list/ 100	carton qty
6	3/8	7/8	63004-0006	**	10
8	7/16	1	63004-0008	**	10
10	1/2	1-1/16	63004-0010	**	10
12	1/2	1-1/4	63004-0012	**	10
16	11/16	1-1/2	63004-0016	**	10
20	3/4	1-3/4	63004-0020	**	10
24	1	2	63004-0024	**	10
28	1-1/4	2-1/4	63004-0028	**	10
32	1-1/2	2-1/2	63004-0032	**	10
36	3/4	2-3/4	63004-0036	**	10
40	1	3	63004-0040	**	10
44	1-1/4	3-1/4	63004-0044	**	10
48	1-1/2	3-1/2	63004-0048	**	10
52	1-3/4	3-3/4	63004-0052	**	10
56	2	4	63004-0056	**	10
60	2-1/4	4-1/4	63004-0060	**	10
152	2-1/2	10	63004-0152	**	10

SNAPLOCK 550

Screw: 410 Stainless Steel
Band: 201 Stainless Steel

size	min	max	part number	list/ 100	carton qty
20	3/4	1-3/4	550-020	**	10
28	1	2-1/4	550-028	**	10
36	1	2-3/4	550-036	**	10
48	1-1/2	3-1/2	550-048	**	10
56	1	4	550-056	**	10
72	2	5	550-072	**	10
88	2	6	550-088	**	10
104	2-7/8	7	550-104	**	10
128	1-3/4	8-1/2	550-128	**	10
152	2	10	550-152	**	10
188	2	12-1/4	550-188	**	10
216	10-3/16	14	550-216	**	10
248	1-3/4	16	550-248	**	10
280	14-1/4	18	550-280	**	10
312	1-7/8	20	550-312	**	10

LINED 615

Screw: 305 Stainless Steel
Band: 201 Stainless Steel

size	min	max	part number	list/ 100	carton qty
6	1/2	7/8	615-006	**	10
8	5/8	1	615-008	**	10
10	11/16	1-1/16	615-010	**	10
12	11/16	1-1/4	615-012	**	10
16	3/4	1-1/2	615-016	**	10
20	1	1-3/4	615-020	**	10
24	1-1/16	2	615-024	**	10
28	1-5/16	2-1/4	615-028	**	10
32	1-9/16	2-1/2	615-032	**	10
36	1-13/16	2-3/4	615-036	**	10
40	2-1/16	3	615-040	**	10
44	2-5/16	3-1/4	615-044	**	10
48	2-9/16	3-1/2	615-048	**	10

IMPORTED CLAMPS

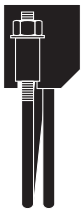
DOUBLE BOLT CLAMPS



Ductile Iron

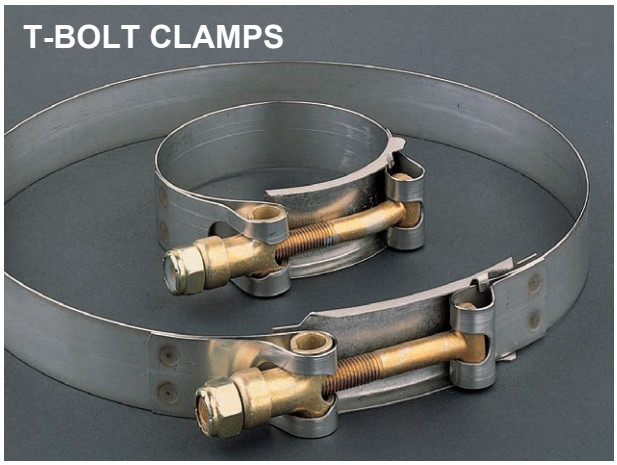
hose o.d. min.	hose o.d. max.	part number	list each
7/8	1-1/8	SL-29	**
1-3/16	1-5/16	SL-34	**
1-5/16	1-17/32	SL-40	**
1-3/4	1-31/32	SL-49	**
2-3/16	2-9/16	SL-60	**
2-5/16	2-15/16	SL-76	**
3-3/16	3-3/4	SL-94	**
3-7/16	3-13/16	400	**
4	4-3/8	463	**
4-1/2	5-1/8	525	**
4-11/16	5-1/8	550	**
5-1/2	5-15/16	600	**
6-1/8	6-7/8	675	**
6-7/8	7-3/8	769	**
7-3/8	8	818	**
8-1/4	8-7/8	875	**
8-15/16	9-3/4	988	**
9-5/16	11-3/8	1125	**
11-3/16	13	1275	**
13-3/16	15	1450	**
15-1/16	17-1/2	1700	**

SPIRAL CLAMPS
(right hand a.k.a. clockwise)



Plated Steel

hose size	part number	list each
1-1/2	SC-150	**
2	SC-200	**
2-1/2	SC-250	**
3	SC-300	**
4	SC-400	**
5	SC-500	**
6	SC-600	**
8	SC-800	**
10	SC-1000	**
12	SC-1200	**



T-BOLT CLAMPS

Bolt & Trunion: Galvanized Steel
Band: Stainless Steel

nom dia	min	max	part number	list each	bag qty
1.31	1.25	1.41	30050-0131-051	**	10
1.50	1.34	1.56	30050-0150-051	**	10
1.63	1.47	1.69	30050-0163-051	**	10
1.75	1.59	1.81	30050-0175-051	**	10
1.88	1.72	1.94	30050-0188-051	**	10
2.00	1.84	2.06	30050-0200-051	**	10
2.12	1.96	2.18	30050-0212-051	**	10
2.25	2.09	2.31	30050-0225-051	**	10
2.38	2.22	2.44	30050-0238-051	**	10
2.50	2.34	2.56	30050-0250-051	**	10
2.56	2.33	2.62	30050-0256-051	**	10
2.63	2.40	2.69	30050-0263-051	**	10
2.75	2.52	2.81	30050-0275-051	**	10
2.88	2.65	2.94	30050-0288-051	**	10
3.00	2.77	3.06	30050-0300-051	**	10
3.12	2.87	3.18	30050-0312-051	**	10
3.25	3.02	3.31	30050-0325-051	**	10
3.50	3.27	3.56	30050-0350-051	**	10
3.62	3.39	3.68	30050-0362-051	**	10
3.75	3.52	3.81	30050-0375-051	**	10
3.82	3.59	3.88	30050-0382-051	**	10
4.00	3.77	4.06	30050-0400-051	**	10
4.25	4.02	4.31	30050-0425-051	**	10
4.50	4.27	4.56	30050-0450-051	**	10
4.75	4.52	4.81	30050-0475-051	**	10
5.00	4.77	5.06	30050-0500-051	**	10
5.25	5.02	5.31	30050-0525-051	**	10
5.50	5.27	5.56	30050-0550-051	**	10
5.75	5.52	5.81	30050-0575-051	**	10
6.00	5.77	6.06	30050-0600-051	**	10
6.25	6.02	6.31	30050-0625-051	**	10
6.50	6.27	6.56	30050-0650-051	**	10
6.75	6.52	6.81	30050-0675-051	**	10
7.00	6.77	7.06	30050-0700-051	**	10
7.25	7.02	7.31	30050-0725-051	**	10
7.50	7.27	7.56	30050-0750-051	**	10
8.00	7.77	8.06	30050-0800-051	**	10
8.25	8.02	8.31	30050-0825-051	**	10
8.50	8.27	8.56	30050-0850-051	**	10
8.88	8.65	8.94	30050-0888-051	**	10
9.00	8.77	9.06	30050-0900-051	**	10
9.50	9.27	9.56	30050-0950-051	**	10
10.00	9.77	10.06	30050-1000-051	**	10
10.88	10.65	10.94	30050-1088-051	**	10
12.00	11.77	12.06	30050-1200-051	**	10
12.88	12.65	12.94	30050-1288-051	**	10

T-BOLT CLAMPS

Bolt & Trunion: Galvanized Steel
Band: Stainless Steel

nom dia	min	max	part number	list each	bag qty
1.31	1.25	1.41	30051-0131-051	**	10
1.50	1.34	1.56	30051-0150-051	**	10
1.63	1.47	1.69	30051-0163-051	**	10
1.75	1.59	1.81	30051-0175-051	**	10
1.88	1.72	1.94	30051-0188-051	**	10
2.00	1.84	2.06	30051-0200-051	**	10
2.12	1.96	2.18	30051-0212-051	**	10
2.25	2.09	2.31	30051-0225-051	**	10
2.38	2.22	2.44	30051-0238-051	**	10
2.50	2.34	2.56	30051-0250-051	**	10
2.56	2.33	2.62	30051-0256-051	**	10
2.63	2.40	2.69	30051-0263-051	**	10
2.75	2.52	2.81	30051-0275-051	**	10
2.88	2.65	2.94	30051-0288-051	**	10
3.00	2.77	3.06	30051-0300-051	**	10
3.12	2.87	3.18	30051-0312-051	**	10
3.25	3.02	3.31	30051-0325-051	**	10
3.50	3.27	3.56	30051-0350-051	**	10
3.62	3.39	3.68	30051-0362-051	**	10
3.75	3.52	3.81	30051-0375-051	**	10
3.82	3.59	3.88	30051-0382-051	**	10
4.00	3.77	4.06	30051-0400-051	**	10
4.25	4.02	4.31	30051-0425-051	**	10
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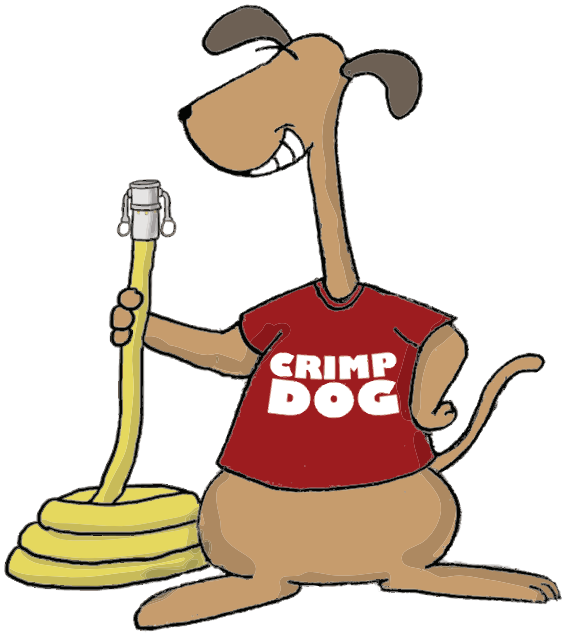
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WE WORK GREAT UNDER PRESSURE!

Our Guarantee of Quality

WARRANTY – Campbell Fittings, Inc. warrants the products described herein to be free from defects in materials or workmanship for a period of one year from the date of shipment by Campbell Fittings, Inc. under normal use and service. The obligation under this warranty is limited to replacing or repairing, without charge, any part supplied by Campbell Fittings, Inc. proven to have been defective at time of shipment, and is expressly conditioned on the Purchaser's giving Campbell Fittings, Inc. immediate notice upon discovery of the defect. Campbell Fittings, Inc. shall have the option of requiring the return of the defective material (transportation prepaid) to establish the claim.

This warranty shall not apply if the product has been altered or repaired by others, and Campbell Fittings, Inc. shall make no allowance or credit for such repairs or alterations unless authorized in writing by Campbell Fittings, Inc.

The foregoing warranty is the only warranty applicable to the products described herein, and any previous agreements, representations or warranties, oral or written, are hereby cancelled. No other expressed or implied warranties shall apply, including but not limited to implied warranties of merchantability and fitness for a particular use.

Under no circumstances will Campbell Fittings, Inc. assume any liability whatsoever for any consequential or contingent damages.

PRODUCT CHANGES – The right is reserved to make changes in pattern, design or material when deemed necessary, without notice. Products which have become obsolete by reason of design change or discontinued as a manufactured item may not be returned for credit.

RETURNED GOODS – Materials must not be returned unless consent has first been obtained in writing from Campbell Fittings, Inc. All materials approved for return must arrive properly packaged and pass our inspection criteria before credit will be issued. Returned products are subject to restocking fees.

RESPONSIBILITY – We will not be responsible for delays resulting from strikes, accidents, negligence of carriers, or other causes beyond our control.

RISK – All goods are at the risk of the Purchaser after they have been delivered to the carrier and receipt obtained for same (in good order).

ORDERS – Are subject to acceptance at Campbell Fittings, Inc., Boyertown, PA 19512.

SPECIAL PRODUCTS – Requests for cancellation of orders made to customer's specifications are not refundable and will not be considered if the manufacture of material is in process when the request is made.

ERRORS, SHORTAGES, ETC. – Claims for errors, shortages, etc. must be made on receipt of goods, otherwise no allowance will be made.

PRICES AND QUOTATIONS – All prices and quotations are subject to change without notice.

TAXES – Any tax that may be imposed by law on the sale of articles made or sold by this company shall be added to the sale price of such articles.

LIABILITY WARNING – Campbell Fittings, Inc. has no warranty applicable to fitness for the purpose of a particular use of any of the products it sells or issues as samples and shall not be responsible for any loss involving its products. It is entirely the responsibility of the end user or installer to be sure that fittings, hose, and their applications are compatible.

Campbell Fittings

Initially Issued: 04/09/2021 Certificate No.: 70

3-A Sanitary Standards, Inc.

Replacement Parts and System Component Qualification Certificate

This Is To Acknowledge That

Campbell Fittings

301 S. Washington St, Boyertown, PA 19512

Has successfully met the requirements of the Replacement Parts and System Component Qualification Certificate program for:

Type of Part(s): 3-A RPSCQC for (00-00) General Requirements,3-A RPSCQC for (62-02) Hose Assemblies,3-A RPSCQC for (63-03) Sanitary Fittings

---

Model Designations: Stainless Steel Sanitary TC Fittings and Machined Ferrules (CIP) Master List 1. Brewery Hose Adapter Tri-Clamp 304: BATC-4, BATC-6, BATC-8, BATC-12 and BATC-16 2. Rubber Hose Adapter Tri-Clamp 316: RATC-4X2, RATC-4x3, RATC-4, RATC-6x2, RATC-6x58, RATC-6x3, RATC-6x4, RATC-6, RATC-8x6, RATC-8, RATC-10, RATC-12 and RATC-16 3. Tri-Clamp Short Weld 316: TCSW-2, TCSW-3, TCSW-4, TCSW-6, TCSW-8, TCSW-10, TCSW-12 and TCSW-16 4. Tri Clamp Long Weld 316: TCLW-2, TCLW-3, TCLW-4, TCLW-6, TCLW-8, TCLW-10, TCLW-12 and TCLW-16 5. Tri-Clamp Crimp Hose Ends 316: TC-4C, TC-6C, TC-8C, TC-10C, TC-12C, TC-16C and TCR6X4C 6. Machined Ferrules 304: SAN100, SAN150, SAN200, SAN250, SAN300 and SAN400

Valid through: December 31, 2021

Timothy R. Rugh
Executive Director, 3-A sanitary Standards, Inc.

*****

The issuance of this certificate is based upon the voluntary certification, by the applicant for it, that the processing system listed herein conforms to the applicable provisions of the currently effective 3-A Standard(s) or 3-A Accepted Practice(s). Legal responsibility for conformance is solely that of the holder of this Certificate. 3-A Sanitary Standards, Inc. does not warrant that the holder of a certificate at all times conforms to the applicable provisions of the said 3-A Accepted Practice. This in no way affects the responsibility of 3-A Sanitary Standards, Inc. to take appropriate action in such cases in which evidence of nonconformance has been established.

Next TPV Inspection/Report due: **April 2026**

PERRY JOHNSON REGISTRARS, INC.

Certificate of Registration

Perry Johnson Registrars, Inc., has audited the Quality Management System of:

Campbell Fittings, Inc

301 South Washington Street, Boyertown, PA 19512 United States

(This is a campus scheme. See Appendix for site specific details.)

(Hereinafter called the Organization) and hereby declares that Organization is in conformance with:

ISO 9001:2015

This Registration is in respect to the following scope:

Design and Manufacturing of Industrial Hose Fittings, Couplings, Ferrules, and Sleeves

This Registration is granted subject to the system rules governing the Registration referred to above, and the Organization hereby covenants with the Assessment body duty to observe and comply with the said rules.

Terry Boboige, President

Perry Johnson Registrars, Inc. (PJR)
755 West Big Beaver Road, Suite 1340
Troy, Michigan 48084
(248) 358-3388

PERRY JOHNSON REGISTRARS, INC.

UKAS MANAGEMENT SYSTEMS 0105

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

The use of the UKAS accreditation symbol is in respect to the activities covered by the Accreditation Certificate Number 0105.

The validity of this certificate is dependent upon ongoing surveillance.

Effective Date: November 20, 2018
Expiration Date: November 19, 2021

Certificate No.: C2018-04485
Page 1 of 2

Campbell Fittings

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June 2021 v1