

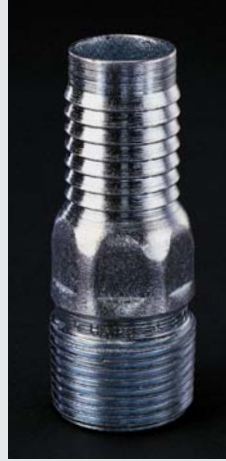
**CampbellCrimpnology™** offers crimping flexibility for your multi-purpose hose applications.



## 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 (Section G)
- Preformed Bands (Section I)

### Recommended Use

- Liquid, bulk handling, low-pressure air

## SUCTION HOSE COUPLINGS

### Features & Benefits

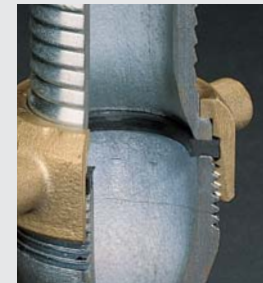
- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Suction Couplings machined from pipe eliminate porosity and parting lines, improving sealing and retention.

### Recommended Hose Attachment

- Sleeves (Section G)
- Preformed Bands (Section I)

### Recommended Use

- Liquid, bulk handling



*Manufacturing Suction Hose Couplings from pipe eliminates wide, flat mating surfaces at the male and female halves.*

## 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 (Section G)

### Recommended Use

- Water Suction/Discharge
- Sewage bypass



*Bauer-style vs. Campbell Ball & Socket*

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

Hose System Components			Hose Size										
Fitting/Coupling	Attachment	Hose Type <sup>2</sup>	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8
Combination Nipple	Short Sleeve	Rubber	400	350	300	275	250	225	210	200	175	150	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	-	-
Ball & Socket Coupling	Sleeve	Rubber	-	-	-	-	-	300*	-	250*	225*	140*	60*
Ball & Socket Coupling	Sleeve	PVC	-	-	-	-	-	170*	-	140*	100*	80*	50*

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

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

**EXPANDER**



Steel npt x hose	part number	list each
3/4 x 1	HES-3X4	6.99
1 x 1-1/4	HES-4X5	8.84
1-1/4 x 1-1/2	HES-5X6	9.45
1-1/2 x 2	HES-6X8	17.62
2 x 2-1/2	HES-8X10	27.04
2-1/2 x 3	HES-10X12	33.20
3 x 4	HES-12X16	66.85

**Plated Steel**

3/4 x 1	HEPS-3X4	7.43
1 x 1-1/4	HEPS-4X5	9.41
1-1/4 x 1-1/2	HEPS-5X6	9.88
1-1/2 x 2	HEPS-6X8	19.18
2 x 2-1/2	HEPS-8X10	28.18
2-1/2 x 3	HEPS-10X12	35.08
3 x 4	HEPS-12X16	76.74

**316 Stainless**

1/2 x 3/4	HESS-2X3	32.04
3/4 x 1	HESS-3X4	30.52
1 x 1-1/4	HESS-4X5	68.63
1 x 1-1/2	HESS-4X6	76.26
1-1/4 x 1-1/2	HESS-5X6	79.33
1-1/4 x 2	HESS-5X8	83.90
1-1/2 x 2	HESS-6X8	91.54
2 x 2-1/2	HESS-8X10	114.40

**LONG SHANK**



Steel hose size	part number	list each
1-1/4	HALS-5	16.87
1-1/2	HALS-6	19.39
2	HALS-8	23.78
2-1/2	HALS-10	42.11
3	HALS-12	43.84
4	HALS-16	62.84

**Plated Steel**

1-1/4	HALPS-5	17.01
1-1/2	HALPS-6	19.72
2	HALPS-8	24.12
2-1/2	HALPS-10	42.24
3	HALPS-12	44.56
4	HALPS-16	64.08

**316 Stainless**

1-1/4	HALSS-5	58.55
1-1/2	HALSS-6	64.55
2	HALSS-8	74.64
2-1/2	HALSS-10	105.39
3	HALSS-12	136.12
4	HALSS-16	322.03

**MENDER**



Steel hose size	part number	list each
3/8	HCS-38	6.69
1/2	HCS-2	6.04
3/4	HCS-3	4.91
1	HCS-4	5.01
1-1/4	HCS-5	7.68
1-1/2	HCS-6	7.51
2	HCS-8	9.92
2-1/2	HCS-10	19.18
3	HCS-12	20.17
4	HCS-16	34.13
5	HCS-20	116.07
6	HCS-24	70.96
8	HCS-32	190.91
10	HCS-40	329.16
12	HCS-48	523.38

**Plated Steel**

3/8	HCPS-38	6.76
1/2	HCPS-2	6.10
3/4	HCPS-3	4.96
1	HCPS-4	5.04
1-1/4	HCPS-5	7.73
1-1/2	HCPS-6	7.52
2	HCPS-8	9.99
2-1/2	HCPS-10	19.67
3	HCPS-12	20.21
4	HCPS-16	34.83
5	HCPS-20	117.48
6	HCPS-24	71.33
8	HCPS-32	191.23
10	HCPS-40	331.15
12	HCPS-48	524.32

**316 Stainless**

3/4	HCSS-3	54.36
1	HCSS-4	60.56
1-1/4	HCSS-5	65.23
1-1/2	HCSS-6	76.59
2	HCSS-8	77.65
3	HCSS-12	178.57
4	HCSS-16	209.65

**Brass**

3/4	HCB-3	12.40
1	HCB-4	12.76
1-1/4	HCB-5	21.65
1-1/2	HCB-6	35.12
2	HCB-8	38.66

**TOE NIPPLES AND REDUCING NIPPLES**



**TOE NIPPLES**



Steel npt x length	part number	list each
1/2 x 1-1/2	RN-2S	1.78
1/2 x 2	RN-2	1.78
3/4 x 1-1/2	RN-3S	2.20
3/4 x 2	RN-3	2.22
1 x 2	RN-4	3.24
1-1/4 x 2	RN-5	4.22
1-1/4 x 2-1/2	RN-5L	4.74
1-1/2 x 2	RN-6	5.04
1-1/2 x 2-1/2	RN-6L	5.39
1-1/2 x 3	RN-6XL	6.12
2 x 2	RN-8	6.28
2 x 2-1/2	RN-8L	6.98
2 x 3	RN-8XL	7.99
2-1/2 x 2-1/2	RN-10S	22.68
3 x 3	RN-12	25.48
3 x 3-1/2	RN-12L	27.30
3 x 4	RN-12XL	30.31

**304 Stainless**

1/2 x 1-1/2	RNS-2S	8.02
1/2 x 2	RNS-2	8.36
3/4 x 1-1/2	RNS-3S	8.50
3/4 x 2	RNS-3	8.70
1 x 2	RNS-4	12.58
1-1/4 x 2	RNS-5	13.11
1-1/4 x 2-1/2	RNS-5L	14.19
1-1/2 x 2	RNS-6	15.12
1-1/2 x 2-1/2	RNS-6L	15.34
1-1/2 x 3	RNS-6XL	16.06
2 x 2	RNS-8	20.49
2 x 2-1/2	RNS-8L	21.14
2 x 3	RNS-8XL	24.96
2-1/2 x 2-1/2	RNS-10S	59.02
3 x 3	RNS-12	62.91
3 x 3-1/2	RNS-12L	68.21
3 x 4	RNS-12XL	79.57

**REDUCING NIPPLES**



Steel npt x npt	part number	list each
3/4 x 1/2	NS 3-2	8.56
1 x 3/4	NS 4-3	9.17
1-1/4 x 1	NS 5-4	13.43
1-1/2 x 1-1/4	NS 6-5	14.51
2 x 1-1/2	NS 8-6	15.27
2-1/2 x 2	NS 10-8	30.53
3 x 2-1/2	NS 12-10	33.60
4 x 3	NS 16-12	53.45