

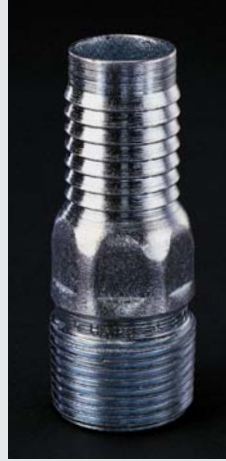
CampbellCrimpnology™ offers crimping flexibility for your multi-purpose hose applications.



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

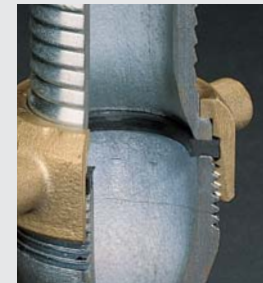
- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Suction Couplings machined from pipe eliminate porosity and parting lines, improving sealing and retention.

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



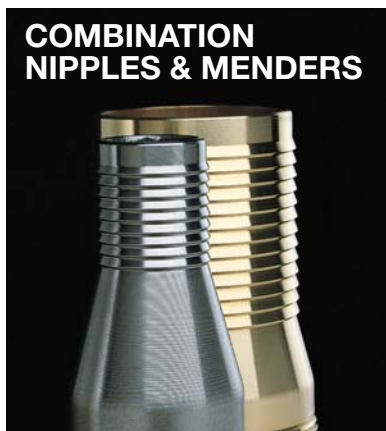
Bauer-style vs. Campbell Ball & Socket

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

Hose System Components			Hose Size										
Fitting/Coupling	Attachment	Hose Type ²	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.


COMBINATION NIPPLES & MENDERS
THREADED

Steel

hose size	part number	list each
1/2	HAS-2	4.04
3/4	HAS-3	4.13
1	HAS-4	4.81
1-1/4	HAS-5	6.21
1-1/2	HAS-6	6.95
2	HAS-8	9.04
2-1/2	HAS-10	18.72
3	HAS-12	21.98
4	HAS-16	34.56
5	HAS-20	77.13
6	HAS-24	87.87
8	HAS-32	150.37
10	HAS-40	256.10
12	HAS-48	355.15

Plated Steel

1/2	HAPS-2	4.48
3/4	HAPS-3	4.62
1	HAPS-4	5.59
1-1/4	HAPS-5	6.62
1-1/2	HAPS-6	7.82
2	HAPS-8	10.92
2-1/2	HAPS-10	20.92
3	HAPS-12	25.34
4	HAPS-16	39.19
5	HAPS-20	88.03
6	HAPS-24	101.02
8	HAPS-32	195.10
10	HAPS-40	322.75
12	HAPS-48	461.25

316 Stainless

1/2	HASS-2	21.36
3/4	HASS-3	20.49
1	HASS-4	21.42
1-1/4	HASS-5	25.16
1-1/2	HASS-6	30.75
2	HASS-8	43.51
2-1/2	HASS-10	83.85
3	HASS-12	116.94
4	HASS-16	169.97
5	HASS-20	440.76
6	HASS-24	485.85
8	HASS-32	796.97

Hastelloy®

1	HAHAST-4	POR
1-1/2	HAHAST-6	POR
2	HAHAST-8	POR
3	HAHAST-12	POR
4	HAHAST-16	POR

Brass

1/2	HAB-2	15.61
3/4	HAB-3	22.40
1	HAB-4	22.56
1-1/4	HAB-5	28.62
1-1/2	HAB-6	32.09
2	HAB-8	45.87
2-1/2	HAB-10	80.50
3	HAB-12	110.03
4	HAB-16	225.58

Aluminum

1/2	HAA-2	13.84
3/4	HAA-3	13.13
1	HAA-4	13.13
1-1/4	HAA-5	14.58
1-1/2	HAA-6	14.88
2	HAA-8	17.93
2-1/2	HAA-10	43.74
3	HAA-12	43.74
4	HAA-16	69.97
5	HAA-20	153.08
6	HAA-24	172.02

Poly-Glass

1/2	HAPP-2	0.87
3/4	HAPP-3	0.99
1	HAPP-4	1.41
1-1/4	HAPP-5	3.03
1-1/2	HAPP-6	5.61
2	HAPP-8	7.09
3	HAPP-12	13.36
4	HAPP-16	42.19

BEVELED

Steel

hose size	part number	list each
3/4	HAS-3 BV	6.20
1	HAS-4 BV	6.28
1-1/4	HAS-5 BV	8.32
1-1/2	HAS-6 BV	8.42
2	HAS-8 BV	10.72
2-1/2	HAS-10 BV	21.25
3	HAS-12 BV	25.22
4	HAS-16 BV	38.35
5	HAS-20 BV	83.07
6	HAS-24 BV	96.83
8	HAS-32 BV	173.47
10	HAS-40 BV	306.38
12	HAS-48 BV	434.28

316 Stainless

3/4	HASS-3 BV	24.44
1	HASS-4 BV	25.00
1-1/4	HASS-5 BV	37.29
1-1/2	HASS-6 BV	32.70
2	HASS-8 BV	52.05
2-1/2	HASS-10 BV	92.55
3	HASS-12 BV	116.75
4	HASS-16 BV	174.85
6	HASS-24 BV	480.65
8	HASS-32 BV	762.96

GROOVED

Steel

hose size	part number	list each
3/4	HAGS-3	14.25
1	HAGS-4	10.42
1-1/4	HAGS-5	11.43
1-1/2	HAGS-6	13.70
2	HAGS-8	16.87
2-1/2	HAGS-10	22.69
3	HAGS-12	24.44
4	HAGS-16	35.76
5	HAGS-20	77.31
6	HAGS-24	95.30
8	HAGS-32	163.83
10	HAGS-40	300.22
12	HAGS-48	402.47

316 Stainless

1	HAGSS-4	40.74
1-1/4	HAGSS-5	43.89
1-1/2	HAGSS-6	44.06
2	HAGSS-8	50.15
3	HAGSS-12	136.77
4	HAGSS-16	190.39

REDUCER

Steel

npt x hose	part number	list each
1 x 3/4	HRS-4X3	11.16
1-1/4 x 1	HRS-5X4	14.68
1-1/2 x 1-1/4	HRS-6X5	13.26
2 x 1-1/2	HRS-8X6	16.23
2-1/2 x 2	HRS-10X8	29.63
3 x 2-1/2	HRS-12X10	35.71
4 x 3	HRS-16X12	72.53

Plated Steel

1 x 3/4	HRPS-4X3	11.24
1-1/4 x 1	HRPS-5X4	14.74
1-1/2 x 1-1/4	HRPS-6X5	13.42
2 x 1-1/2	HRPS-8X6	16.87
2-1/2 x 2	HRPS-10X8	31.40
3 x 2-1/2	HRPS-12X10	37.26
4 x 3	HRPS-16X12	74.80

316 Stainless

1 x 3/4	HRSS-4X3	44.17
1-1/4 x 1	HRSS-5X4	53.63
1-1/2 x 1-1/4	HRSS-6X5	79.81
2 x 1-1/2	HRSS-8X6	94.65
2-1/2 x 2	HRSS-10X8	113.56

continued on next page

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

EXPANDER



Steel npt x hose	part number	list each
3/4 x 1	HES-3X4	7.34
1 x 1-1/4	HES-4X5	9.28
1-1/4 x 1-1/2	HES-5X6	9.92
1-1/2 x 2	HES-6X8	18.50
2 x 2-1/2	HES-8X10	28.39
2-1/2 x 3	HES-10X12	34.86
3 x 4	HES-12X16	70.19

Plated Steel

3/4 x 1	HEPS-3X4	7.80
1 x 1-1/4	HEPS-4X5	9.88
1-1/4 x 1-1/2	HEPS-5X6	10.37
1-1/2 x 2	HEPS-6X8	20.14
2 x 2-1/2	HEPS-8X10	29.59
2-1/2 x 3	HEPS-10X12	36.83
3 x 4	HEPS-12X16	80.58

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	17.71
1-1/2	HALS-6	20.36
2	HALS-8	24.97
2-1/2	HALS-10	44.22
3	HALS-12	46.03
4	HALS-16	65.98

Plated Steel

1-1/4	HALPS-5	17.86
1-1/2	HALPS-6	20.71
2	HALPS-8	25.33
2-1/2	HALPS-10	44.35
3	HALPS-12	46.79
4	HALPS-16	67.28

316 Stainless

1-1/4	HALSS-5	61.48
1-1/2	HALSS-6	67.78
2	HALSS-8	78.37
2-1/2	HALSS-10	110.66
3	HALSS-12	142.93
4	HALSS-16	338.13

MENDER



Steel hose size	part number	list each
3/8	HCS-38	7.02
1/2	HCS-2	6.34
3/4	HCS-3	5.16
1	HCS-4	5.26
1-1/4	HCS-5	8.06
1-1/2	HCS-6	7.89
2	HCS-8	10.42
2-1/2	HCS-10	20.14
3	HCS-12	21.18
4	HCS-16	35.84
5	HCS-20	121.87
6	HCS-24	74.51
8	HCS-32	200.46
10	HCS-40	345.62
12	HCS-48	549.55

Plated Steel

3/8	HCPS-38	7.10
1/2	HCPS-2	6.41
3/4	HCPS-3	5.21
1	HCPS-4	5.29
1-1/4	HCPS-5	8.12
1-1/2	HCPS-6	7.90
2	HCPS-8	10.49
2-1/2	HCPS-10	20.65
3	HCPS-12	21.22
4	HCPS-16	36.57
5	HCPS-20	123.35
6	HCPS-24	74.90
8	HCPS-32	200.79
10	HCPS-40	347.71
12	HCPS-48	550.54

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	13.64
1	HCB-4	14.04
1-1/4	HCB-5	22.73
1-1/2	HCB-6	36.88
2	HCB-8	40.59

**TOE NIPPLES AND
REDUCING NIPPLES**



TOE NIPPLES



Steel npt x length	part number	list each
1/2 x 1-1/2	RN-2S	1.87
1/2 x 2	RN-2	1.87
3/4 x 1-1/2	RN-3S	2.31
3/4 x 2	RN-3	2.33
1 x 2	RN-4	3.40
1-1/4 x 2	RN-5	4.43
1-1/4 x 2-1/2	RN-5L	4.98
1-1/2 x 2	RN-6	5.29
1-1/2 x 2-1/2	RN-6L	5.66
1-1/2 x 3	RN-6XL	6.43
2 x 2	RN-8	6.59
2 x 2-1/2	RN-8L	7.33
2 x 3	RN-8XL	8.39
2-1/2 x 2-1/2	RN-10S	23.81
3 x 3	RN-12	26.75
3 x 3-1/2	RN-12L	28.67
3 x 4	RN-12XL	31.83

304 Stainless

1/2 x 1-1/2	RNS-2S	8.42
1/2 x 2	RNS-2	8.78
3/4 x 1-1/2	RNS-3S	8.93
3/4 x 2	RNS-3	9.14
1 x 2	RNS-4	13.21
1-1/4 x 2	RNS-5	13.77
1-1/4 x 2-1/2	RNS-5L	14.90
1-1/2 x 2	RNS-6	15.88
1-1/2 x 2-1/2	RNS-6L	16.11
1-1/2 x 3	RNS-6XL	16.86
2 x 2	RNS-8	21.51
2 x 2-1/2	RNS-8L	22.20
2 x 3	RNS-8XL	26.21
2-1/2 x 2-1/2	RNS-10S	61.97
3 x 3	RNS-12	66.06
3 x 3-1/2	RNS-12L	71.62
3 x 4	RNS-12XL	83.55

REDUCING NIPPLES



Steel npt x npt	part number	list each
3/4 x 1/2	NS 3-2	8.996
1 x 3/4	NS 4-3	9.63
1-1/4 x 1	NS 5-4	14.10
1-1/2 x 1-1/4	NS 6-5	15.24
2 x 1-1/2	NS 8-6	16.03
2-1/2 x 2	NS 10-8	32.06
3 x 2-1/2	NS 12-10	35.28
4 x 3	NS 16-12	56.12