

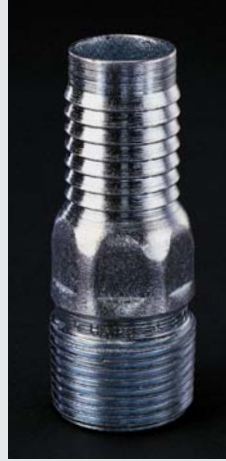
CampbellCrimpnology™ offers crimping flexibility for your multi-purpose hose applications.



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

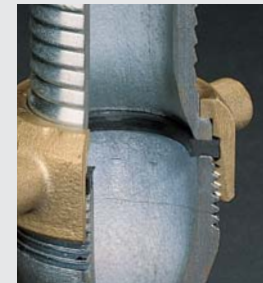
- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Suction Couplings machined from pipe eliminate porosity and parting lines, improving sealing and retention.

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



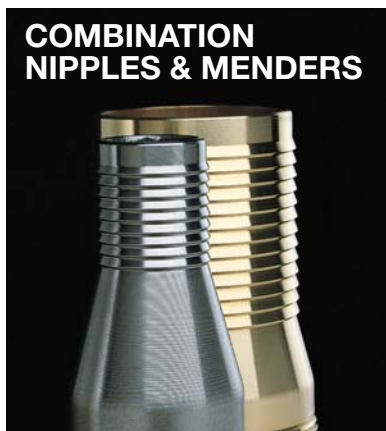
Bauer-style vs. Campbell Ball & Socket

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.



THREADED



Steel

hose size	part number	list each
1/2	HAS-2	3.85
3/4	HAS-3	3.93
1	HAS-4	4.58
1-1/4	HAS-5	5.91
1-1/2	HAS-6	6.62
2	HAS-8	8.61
2-1/2	HAS-10	17.83
3	HAS-12	20.93
4	HAS-16	32.91
5	HAS-20	73.46
6	HAS-24	83.69
8	HAS-32	143.21
10	HAS-40	250.57
12	HAS-48	340.27

Plated Steel

1/2	HAPS-2	4.27
3/4	HAPS-3	4.40
1	HAPS-4	5.32
1-1/4	HAPS-5	6.30
1-1/2	HAPS-6	7.45
2	HAPS-8	10.40
2-1/2	HAPS-10	19.92
3	HAPS-12	24.13
4	HAPS-16	37.32
5	HAPS-20	83.84
6	HAPS-24	96.21
8	HAPS-32	195.47
10	HAPS-40	313.09
12	HAPS-48	454.69

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	759.02

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	14.19
3/4	HAB-3	20.36
1	HAB-4	20.51
1-1/4	HAB-5	26.02
1-1/2	HAB-6	29.17
2	HAB-8	41.70
2-1/2	HAB-10	73.18
3	HAB-12	100.03
4	HAB-16	205.07

Aluminum

1/2	HAA-2	13.18
3/4	HAA-3	12.50
1	HAA-4	12.50
1-1/4	HAA-5	13.89
1-1/2	HAA-6	14.17
2	HAA-8	17.08
2-1/2	HAA-10	41.66
3	HAA-12	41.66
4	HAA-16	66.64
5	HAA-20	145.79
6	HAA-24	163.83

Poly-Glass

1/2	HAPP-2	0.83
3/4	HAPP-3	0.94
1	HAPP-4	1.34
1-1/4	HAPP-5	2.89
1-1/2	HAPP-6	5.34
2	HAPP-8	6.75
3	HAPP-12	12.72
4	HAPP-16	40.18

BEVELED



Steel

hose size	part number	list each
3/4	HAS-3 BV	5.90
1	HAS-4 BV	5.98
1-1/4	HAS-5 BV	7.92
1-1/2	HAS-6 BV	8.02
2	HAS-8 BV	10.21
2-1/2	HAS-10 BV	20.24
3	HAS-12 BV	24.02
4	HAS-16 BV	36.52
5	HAS-20 BV	79.11
6	HAS-24 BV	92.22
8	HAS-32 BV	165.21
10	HAS-40 BV	291.79
12	HAS-48 BV	413.60

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	13.57
1	HAGS-4	9.92
1-1/4	HAGS-5	10.89
1-1/2	HAGS-6	13.05
2	HAGS-8	16.07
2-1/2	HAGS-10	21.61
3	HAGS-12	23.28
4	HAGS-16	34.06
5	HAGS-20	73.63
6	HAGS-24	90.76
8	HAGS-32	156.03
10	HAGS-40	285.92
12	HAGS-48	383.30

316 Stainless

1	HAGSS-4	38.80
1-1/4	HAGSS-5	41.80
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	10.63
1-1/4 x 1	HRS-5X4	13.98
1-1/2 x 1-1/4	HRS-6X5	12.63
2 x 1-1/2	HRS-8X6	15.46
2-1/2 x 2	HRS-10X8	28.22
3 x 2-1/2	HRS-12X10	34.01
4 x 3	HRS-16X12	69.08

Plated Steel

1 x 3/4	HRPS-4X3	10.70
1-1/4 x 1	HRPS-5X4	14.04
1-1/2 x 1-1/4	HRPS-6X5	12.78
2 x 1-1/2	HRPS-8X6	16.07
2-1/2 x 2	HRPS-10X8	29.90
3 x 2-1/2	HRPS-12X10	35.49
4 x 3	HRPS-16X12	71.24

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	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