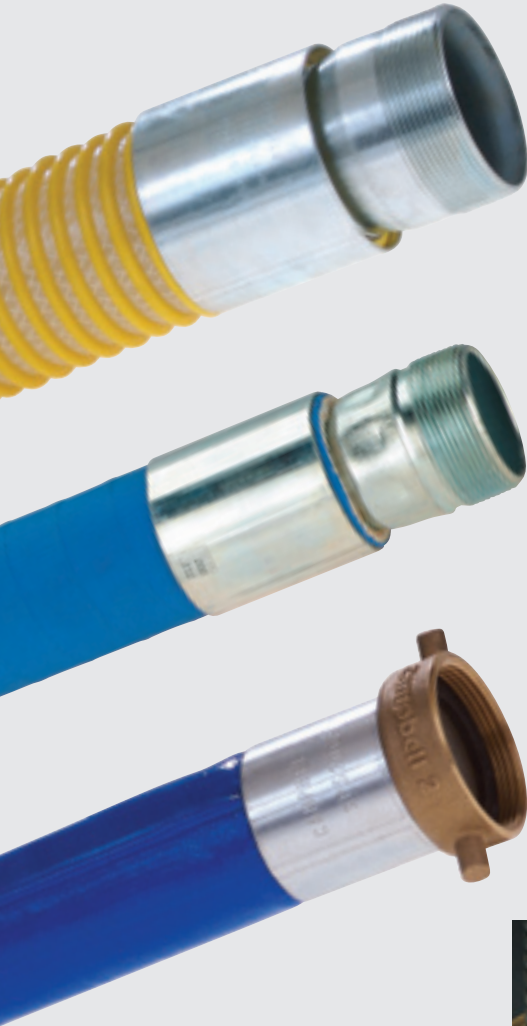




CampbellCrimpnology™ offers crimping flexibility for your multi-purpose hose applications.



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



COMBINATION NIPPLES AND MENDERS

Features & Benefits

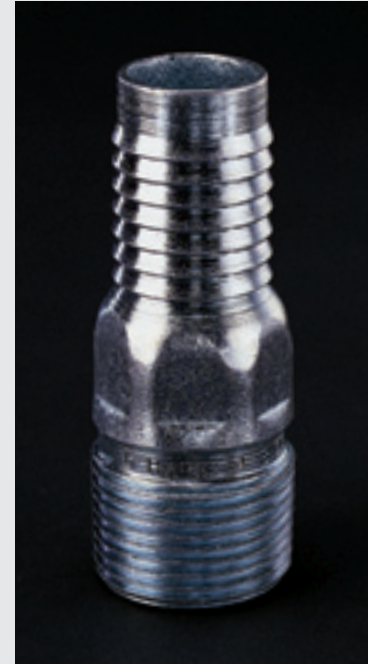
- Maximum number of serrations for maximum holding power.
- Long lead serration for easier hose insertion.
- Formed hex wrench area on 3/4" through 1-1/2" combination nipples for easier installation.

Recommended Hose Attachment

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

Recommended Use

- Multi-purpose liquid, bulk handling, low-pressure air



Combination Nipple

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

- Multi-purpose liquid, bulk handling, low-pressure air

TOE NIPPLES

Features & Benefits

- Thread One End Nipples for welding to metal hose are available in carbon steel and 304 stainless steel.
- Weld-on is machined for easier, more efficient welding.

FOOT VALVES AND STEEL STRAINERS

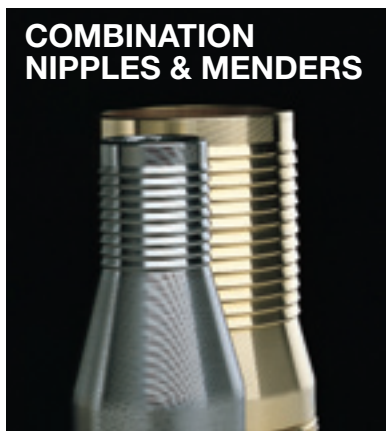
Features & Benefits

- Campbell Foot Valves are built for durability in abusive construction and de-watering applications.
- Steel Strainers are available with standard round holes or larger square holes for increased suction capacity.

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

Hose System Components			MAX. SYSTEM WORKING PRESSURE (PSI @ 70°F) SEE NOTE 1										
Fitting/Coupling	Attachment	Hose Type ²	Hose Size										
			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	PVC	150	125	100	90	85	65	60	55	40	-	-
Suction Coupling	Short Sleeve	Rubber	-	-	-	275	250	225	210	200	175	150	100
Suction Coupling	Short Sleeve	PVC	-	-	-	90	85	65	60	55	40	-	-

See footnotes 1 and 2 on Page 1



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.

**TOE NIPPLES AND
REDUCING NIPPLES**



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



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

SUCTION HOSE COUPLINGS



COMPLETE SET



Shanks: Plated Steel Nut: Brass

hose size	part number	list each
1-1/4	CSB-5	39.57
1-1/2	CSB-6	27.76
2	CSB-8	36.19
2-1/2	CSB-10	51.82
3	CSB-12	61.52
4	CSB-16	99.04
6	CSB-24	205.25
8	CSB-32	686.30

Shanks: Plated Steel Nut: Ductile Iron

1-1/2	CSD-6	27.59
2	CSD-8	37.07
2-1/2	CSD-10	54.08
3	CSD-12	63.10
4	CSD-16	100.55
6	CSD-24	217.03

Shanks: Brass

Nut: Brass

1-1/4	CBB-5	47.63
1-1/2	CBB-6	42.97
2	CBB-8	57.02
2-1/2	CBB-10	98.01
3	CBB-12	146.14
4	CBB-16	247.70

Shanks: 316 Stainless Nut: 316 Stainless

1-1/2	CSS-6	133.40
2	CSS-8	181.47
3	CSS-12	313.32

FEMALE SHANK



Shank: Plated Steel Nut: Brass

hose size	part number	list each
1-1/4	FSB-5	23.71
1-1/2	FSB-6	16.09
2	FSB-8	18.41
2-1/2	FSB-10	26.62
3	FSB-12	34.16
4	FSB-16	59.09
6	FSB-24	116.66
8	FSB-32	538.69

Shank: Plated Steel Nut: Ductile Iron

1-1/2	FSD-6	15.86
2	FSD-8	19.22
2-1/2	FSD-10	28.88
3	FSD-12	35.79
4	FSD-16	60.59
6	FSD-24	128.50

Shank: Brass

Nut: Brass

1-1/4	FBB-5	29.22
1-1/2	FBB-6	25.33
2	FBB-8	34.76
2-1/2	FBB-10	62.37
3	FBB-12	82.34
4	FBB-16	141.33

Shank: 316 Stainless Nut: 316 Stainless

1-1/2	FSS-6	105.47
2	FSS-8	141.14
3	FSS-12	201.64

MALE SHANK



Plated Steel

hose size	part number	list each
1-1/4	MS-5	15.42
1-1/2	MS-6	11.42
2	MS-8	17.34
2-1/2	MS-10	24.52
3	MS-12	26.61
4	MS-16	38.86
6	MS-24	86.15
8	MS-32	143.55

Brass

1-1/4	MB-5	18.40
1-1/2	MB-6	17.75
2	MB-8	21.39
2-1/2	MB-10	44.56
3	MB-12	63.45
4	MB-16	106.49

316 Stainless Steel

1-1/2	MSS-6	27.92
2	MSS-8	40.33
3	MSS-12	111.68

FEMALE LONG SHANK



Shank: Plated Steel Nut: Brass

hose size	part number	list each
1-1/2	LSB-6	39.41
2	LSB-8	45.97
2-1/2	LSB-10	74.82
3	LSB-12	69.30
4	LSB-16	109.43

Shank: Brass

Nut: Brass

1-1/2	LBB-6	51.11
2	LBB-8	63.44
2-1/2	LBB-10	96.03
3	LBB-12	135.68
4	LBB-16	222.02

Shank: 316 Stainless

Nut: 316 Stainless (includes Teflon Washer)

1-1/2	LSS-6	124.09
2	LSS-8	155.11
3	LSS-12	209.39

FEMALE LONG SHANK (hex nut)



Shank: Brass

Hex Nut: Brass

hose size	part number	list each
1-1/2	XLFB-6	80.19
2	XLFB-8	92.67
2-1/2	XLFB-10	124.76
3	XLFB-12	176.42
4	XLFB-16	338.60

MALE LONG SHANK



Plated Steel

hose size	part number	list each
1-1/2	LMS-6	18.91
2	LMS-8	23.64
2-1/2	LMS-10	39.41
3	LMS-12	39.02
4	LMS-16	59.90

Brass

1-1/2	LMB-6	37.43
2	LMB-8	55.24
2-1/2	LMB-10	80.19
3	LMB-12	123.87
4	LMB-16	290.04

316 Stainless

1-1/2	LMSS-6	54.28
2	LMSS-8	79.10
3	LMSS-12	144.25

NH SUCTION HOSE COUPLINGS (NST threads)



COMPLETE SET (NH)



Shanks: Plated Steel

Nut: Brass

hose size	part number	list each
1-1/2	NHS-6	48.47
2-1/2	NHS-10	92.52

Shanks: Brass

Nut: Brass

1-1/2	NHB-6	76.37
2-1/2	NHB-10	154.47

FEMALE SHANK (NH)



Shanks: Plated Steel

Nut: Brass

hose size	part number	list each
1-1/2	FHS-6	28.64
2-1/2	FHS-10	58.74

Shanks: Brass

Nut: Brass

1-1/2	FHB-6	34.71
2-1/2	FHB-10	72.89

MALE SHANK (NH)



Plated Steel

hose size	part number	list each
1-1/2	MHS-6	19.82
2-1/2	MHS-10	33.78

Brass

1-1/2	MHB-6	41.65
2-1/2	MHB-10	81.57

WASHER



Neoprene (NPSM)

hose size	part number	list each
1-1/4	WN-5	0.66
1-1/2	WN-6	0.66
2	WN-8	0.72
2-1/2	WN-10	0.86
3	WN-12	1.35
4	WN-16	1.68
6	WN-24	6.80
8	WN-32	14.72

Teflon® (NPSM)

1-1/2	WT-6	12.71
2	WT-8	14.98
3	WT-12	20.60

Neoprene (NH)

1-1/2	NHW-6	2.89
2-1/2	NHW-10	2.89

SPANNER WRENCH



size	part number	list each
1-1/2	SW-6	8.43
2	SW-8	8.43
3	SW-12	10.09
4	SW-16	10.09
6	SW-32	50.44
8	SW-32	50.44

ADJUSTABLE HYDRANT WRENCH



part number	list each
AHW-1	48.33

- 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.
- Sold in 5 per carton quantity.

FOOT VALVES & STRAINERS



ROUND HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	RHS-6	15.99
2	RHS-8	18.25
2-1/2	RHS-10	22.98
3	RHS-12	29.36
4	RHS-16	40.85
6	RHS-24	114.86
8	RHS-32	268.02

SQUARE HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	SHS-6	17.75
2	SHS-8	20.25
2-1/2	SHS-10	25.52
3	SHS-12	32.62
4	SHS-16	45.39
6	SHS-24	127.64

TOP HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	THS-6	56.44
2	THS-8	63.14
3	THS-12	142.63

BOTTOM HOLE STEEL STRAINER



npsm size	part number	list each
1-1/2	BHS-6	60.78
2	BHS-8	68.92
3	BHS-12	154.34

FOOT VALVE (painted cast iron)



npt size	part number	list each
1-1/2	FV-6	24.68
2	FV-8	38.43
2-1/2	FV-10	52.73
3	FV-12	65.64
4	FV-16	109.12
6	FV-24	269.28
8	FV-32	561.00

Foot Valve components are available upon request.