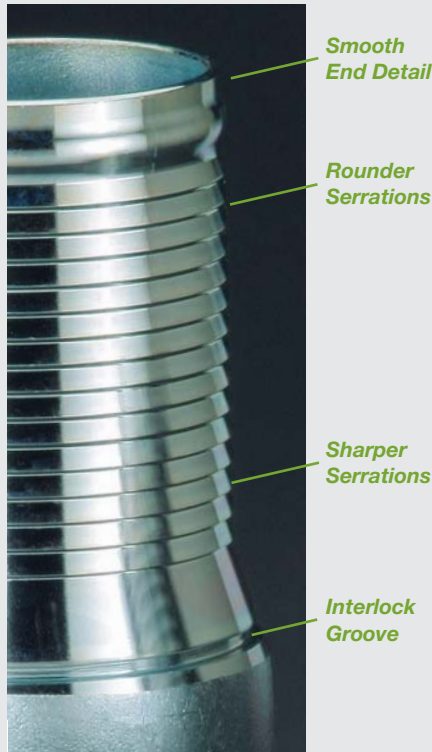
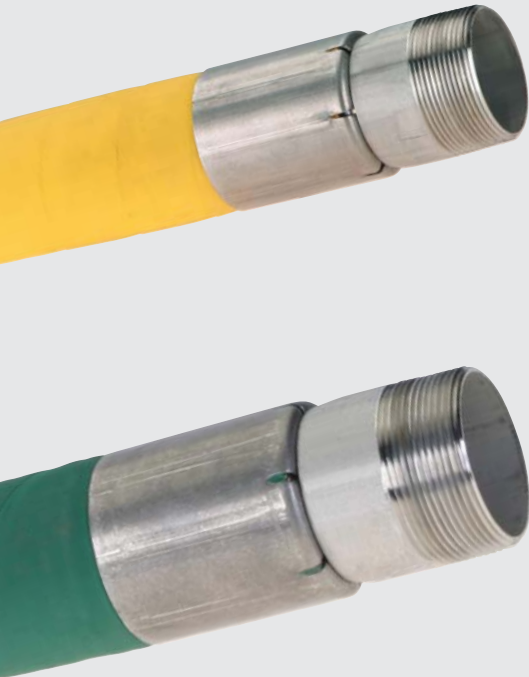


**CampbellCrimpnoology™ offers crimping flexibility for your multi-purpose hose applications.**



**Crimpnoology Nipple**

**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 Goodyear InstaLock Cam & Groove Couplings to keep ferrule inventory low and flexible.
- Interlock groove on fitting locks ferrule into place for the ultimate in holding power.
- 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 clamp buckles.

**Recommended Hose Attachment**

- Interlocking ferrules

**Recommended Use**

- Multi-purpose fluid, chemical, bulk handling

**Special Features**

- Crimpnoology Nipples provide an excellent fitting solution for medium-pressure applications such as “Frac Hose”, mud-pump hose, and other abusive applications.
- Long Shank Crimpnoology Nipples provide excellent sealing and retention for high-pressure applications (See ratings chart below).

**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
Crimpnoology Nipple	Ferrule	Chem/Rubber	-	-	500	350	325	300	275	250	250	225	-
Crimpnoology Nipple	Ferrule	Soft	-	-	200	175	150	150	125	100	75	-	-
Long Crimpnoology Nipple	Long Ferrule	Rubber	-	-	-	-	1000	1000	650	600	500	-	-
Crimpnoology Flange (Steel) <sup>3</sup>	Ferrule	Chem/Rubber	-	-	-	-	285	285	275	250	250	225	-
Crimpnoology Flange (SS) <sup>3</sup>	Ferrule	Chem/Rubber	-	-	-	-	230	230	230	230	230	-	-

See footnotes 1, 2, and 4 on Page 1



## CRIMPNOLOGY NIPPLES

## THREADED



### Plated Steel

hose size	part number	list each
1	HAPS-4C	20.78
1-1/4	HAPS-5C	23.24
1-1/2	HAPS-6C	22.25
2	HAPS-8C	26.46
2-1/2	HAPS-10C	42.28
3	HAPS-12C	50.47
4	HAPS-16C	62.38
6	HAPS-24C	132.15

### 316 Stainless

1	HASS-4C	33.71
1-1/4	HASS-5C	47.92
1-1/2	HASS-6C	50.47
2	HASS-8C	62.43
2-1/2	HASS-10C	108.42
3	HASS-12C	133.62
4	HASS-16C	197.47
6	HASS-24C	730.10

## THREADED LONG SHANK



### Steel

hose size	part number	list each
1-1/2	HALPS-6C	37.05
2	HALPS-8C	38.16
2-1/2	HALPS-10C	64.25
3	HALPS-12C	85.56
4	HALPS-16C	126.32

## SQUARE CUT END



### Steel

hose size	part number	list each
1-1/2	HAS-6C SQ	22.54
2	HAS-8C SQ	26.75
2-1/2	HAS-10C SQ	40.58
3	HAS-12C SQ	47.53
4	HAS-16C SQ	60.12

## GROOVED



### Steel

hose size	part number	list each
1-1/2	HAGS-6C	29.69
2	HAGS-8C	35.62
2-1/2	HAGS-10C	54.97
3	HAGS-12C	63.85
4	HAGS-16C	77.22

### 316 Stainless

1-1/2	HAGSS-6C	63.85
2	HAGSS-8C	78.69
2-1/2	HAGSS-10C	159.87
3	HAGSS-12C	187.08
4	HAGSS-16C	245.74

## FLANGED (with 150 lb. fixed flange)



### Steel

hose size	part number	list each
1-1/2	FHAS-6C	129.38
2	FHAS-8C	132.32
2-1/2	FHAS-10C	173.73
3	FHAS-12C	165.25
4	FHAS-16C	200.67
6	FHAS-24C	470.40

### 316 Stainless

1-1/2	FHASS-6C	277.73
2	FHASS-8C	304.82
2-1/2	FHASS-10C	443.42
3	FHASS-12C	489.72
4	FHASS-16C	670.11
6	FHASS-24C	999.80

## TURNBACK (for use with 150 lb. floating flange)



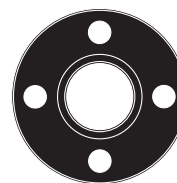
### Steel

hose size	part number	list each
1-1/2	THAS-6C	48.38
2	THAS-8C	48.59
2-1/2	THAS-10C	94.21
3	THAS-12C	110.33
4	THAS-16C	196.93
6	THAS-24C	515.97

### 316 Stainless

1-1/2	THASS-6C	98.28
2	THASS-8C	183.57
2-1/2	THASS-10C	246.13
3	THASS-12C	328.56
4	THASS-16C	466.62
6	THASS-24C	875.00

## FLANGE-FLOATING (150 lb.)



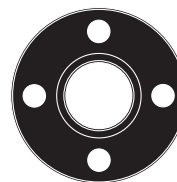
### Steel

hose size	part number	list each
1-1/2	FF150S-6	34.81
2	FF150S-8	36.75
2-1/2	FF150S-10	56.70
3	FF150S-12	61.11
4	FF150S-16	90.83
6	FF150S-24	125.69
8	FF150S-32	208.53

### 316 Stainless

1-1/2	FF150SS-6	162.02
2	FF150SS-8	200.92
2-1/2	FF150SS-10	257.99
3	FF150SS-12	314.48
4	FF150SS-16	436.17
6	FF150SS-24	522.90

## FLANGE-THREADED (150 lb.)



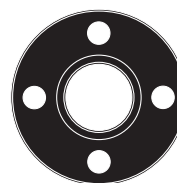
### Steel

npt size	part number	list each
1-1/2	FT150S-6	50.13
2	FT150S-8	59.71
2-1/2	FT150S-10	61.91
3	FT150S-12	70.52
4	FT150S-16	82.01

### 316 Stainless

1-1/2	FT150SS-6	169.40
2	FT150SS-8	212.52
2-1/2	FT150SS-10	256.97
3	FT150SS-12	306.54
4	FT150SS-16	429.49

## FLANGE-SLIP ON (150 lb.)



### Steel

npt size	part number	list each
1-1/2	FS150S-6	32.87
2	FS150S-8	34.39
2-1/2	FS150S-10	59.48
3	FS150S-12	56.18
4	FS150S-16	73.24
6	FS150S-24	103.74

### 316 Stainless

1-1/2	FS150SS-6	171.36
2	FS150SS-8	215.72
2-1/2	FS150SS-10	359.86
3	FS150SS-12	342.72
4	FS150SS-16	469.09
6	FS150SS-24	709.01

FERRULES FOR CRIMPNOLOGY NIPPLES