



## HIGH PRESSURE FITTINGS

**SPIR STAR** High Pressure fittings seal with a 60 degree cone and are rated for working pressures up to 60,000 psi.

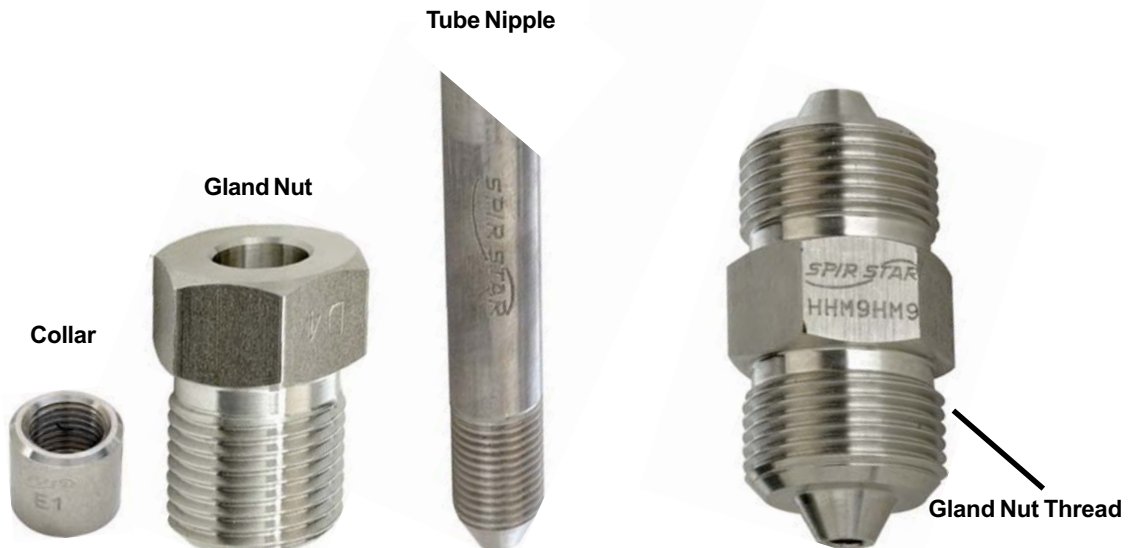
### Sizes:

#### Common Description

1/4" High Pressure  
3/8" High Pressure  
9/16" High Pressure

#### Actual Thread Dimension

9/16"-18 Thread on Gland Nut  
3/4"-16 Thread on Gland Nut  
1-1/8"-12 Thread on Gland Nut





# Hydraulic & Offshore Supplies

## HIGH PRESSURE MALE HEX NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHM4-HM4	1/4" HP MALE X 1/4" HP MALE	60,000 psi
HHM4-HM6	1/4" HP MALE X 3/8" HP MALE	60,000 psi
HHM4-HM9	1/4" HP MALE X 9/16" HP MALE	60,000 psi
HHM6-HM6	3/8" HP MALE X 3/8" HP MALE	60,000 psi
HHM6-HM9	3/8" HP MALE X 9/16" HP MALE	60,000 psi
HHM9-HM9	9/16" HP MALE X 9/16" HP MALE	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE ELBOWS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HEHF4	1/4" HP FEMALE ELBOW	60,000 psi
HEHF6	3/8" HP FEMALE ELBOW	60,000 psi
HEHF9	9/16" HP FEMALE ELBOW	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE TEES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HTHF4	1/4" HP FEMALE TEE	60,000 psi
HTHF6	3/8" HP FEMALE TEE	60,000 psi
HTHF9	9/16" HP FEMALE TEE	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE CROSSES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCRHF4	1/4" HP FEMALE CROSS	60,000 psi
HCRHF6	3/8" HP FEMALE CROSS	60,000 psi
HCRHF9	9/16" HP FEMALE CROSS	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE X HIGH PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHF4-HM6	1/4" HP FEMALE X 3/8" HP MALE	60,000 psi
HHF4-HM9	1/4" HP FEMALE X 9/16" HP MALE	60,000 psi
HHF6-HM4	3/8" HP FEMALE X 1/4" HP MALE	60,000 psi
HHF6-HM9	3/8" HP FEMALE X 9/16" HP MALE	60,000 psi
HHF9-HM4	9/16" HP FEMALE X 1/4" HP MALE	60,000 psi
HHF9-HM6	9/16" HP FEMALE X 3/8" HP MALE	60,000 psi



# Hydraulic & Offshore Supplies

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications such as tube bundle cleaning

## HIGH PRESSURE SLIMLINE COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCSL-HF4-LL	1/4" HP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.445" OD	40,000 psi
HCSL-HF4-LR	1/4" HP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.445" OD	40,000 psi
HCSL-HF4-RR	1/4" HP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.445" OD	40,000 psi
HCSL-HF6-LL	3/8" HP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.562" OD	40,000 psi
HCSL-HF6-LR	3/8" HP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.562" OD	40,000 psi
HCSL-HF6-RR	3/8" HP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.562" OD	40,000 psi
HCSL-HF9-LL	9/16" HP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.750" OD	40,000 psi

\* = Designates Left Hand Thread or Right Hand Thread



# Hydraulic & Offshore Supplies

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications such as tube bundle cleaning

## HIGH PRESSURE SLIMLINE COUPLERS

(Cont'd.)

PART #	DESCRIPTION	MAX WORKING PRESSURE
HCSL-HF9-LR	9/16" HP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.750" OD	40,000 psi
HCSL-HF9-RR	9/16" HP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.750" OD	40,000 psi

\* = Designates Left Hand Thread or Right Hand Thread



# Hydraulic & Offshore Supplies

## HIGH PRESSURE HEAVY DUTY COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HC-HF4	1/4" HP FEMALE COUPLER	60,000 psi
HC-HF6	3/8" HP FEMALE COUPLER	60,000 psi
HC-HF9	9/16" HP FEMALE COUPLER	60,000 psi
HC-HF9-HF6	9/16" HP FEMALE X 3/8" HP FEMALE COUPLER	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE TUBE NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHM4-3"	1/4" HP NIPPLE X 3" LONG	60,000 psi
HHM4-6"	1/4" HP NIPPLE X 6" LONG	60,000 psi
HHM6-3"	3/8" HP NIPPLE X 3" LONG	60,000 psi
HHM6-4"	3/8" HP NIPPLE X 4" LONG	60,000 psi
HHM9-4"	9/16" HP NIPPLE X 4" LONG	60,000 psi
HHM9-6"	9/16" HP NIPPLE X 6" LONG	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE PLUGS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHM2-PLUG	1/8" HP PLUG	60,000 psi
HHM4-PLUG	1/4" HP PLUG	60,000 psi
HHM6-PLUG	3/8" HP PLUG	60,000 psi
HHM9-PLUG	9/16" HP PLUG	60,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE GLAND NUTS AND COLLARS

Gland Nut



Collar



PART #	DESCRIPTION	MAX WORKING PRESSURE
GN-1/8"HP	1/8" HP GLAND NUT	60,000 psi
GN-1/4"HP	1/4" HP GLAND NUT	60,000 psi
GN-3/8"HP	3/8" HP GLAND NUT	60,000 psi
GN-9/16"HP	9/16" HP GLAND NUT	60,000 psi
CLR-1/8"HP	1/8" HP COLLAR	60,000 psi
CLR-1/4"HP	1/4" HP COLLAR	60,000 psi
CLR-3/8"HP	3/8" HP COLLAR	60,000 psi
CLR-9/16"HP	9/16" HP COLLAR	60,000 psi



## HIGH PRESSURE X MEDIUM PRESSURE ADAPTERS

***SPIR STAR*** High Pressure X Medium Pressure adapters seal with a 60 degree cone and are rated for working pressures up to 20,000 psi.

### Sizes:

#### Common Description

1/4" High Pressure  
3/8" High Pressure  
9/16" High Pressure

1/4" Medium Pressure  
3/8" Medium Pressure  
9/16" Medium Pressure  
3/4" Medium Pressure

#### Actual Thread Dimension

9/16"-18 Thread on Gland Nut  
3/4"-16 Thread on Gland Nut  
1-1/8"-12 Thread on Gland Nut

7/16"-20 Thread on Gland Nut  
9/16"-18 Thread on Gland Nut  
13/16"-16 Thread on Gland Nut  
3/4"-14 Thread on Gland Nut





# Hydraulic & Offshore Supplies

## HIGH PRESSURE MALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHM4-MM4	1/4" HP MALE X 1/4" MP MALE	20,000 psi
HHM4-MM6	1/4" HP MALE X 3/8" MP MALE	20,000 psi
HHM4-MM9	1/4" HP MALE X 9/16" MP MALE	20,000 psi
HHM6-MM4	3/8" HP MALE X 1/4" MP MALE	20,000 psi
HHM6-MM6	3/8" HP MALE X 3/8" MP MALE	20,000 psi
HHM6-MM9	3/8" HP MALE X 9/16" MP MALE	20,000 psi
HHM9-MM6	9/16" HP MALE X 3/8" MP MALE	20,000 psi
HHM9-MM9	9/16" HP MALE X 9/16" MP MALE	20,000 psi
HHM9-MM12	9/16" HP MALE X 3/4" MP MALE	20,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHF4-MM4	1/4" HP FEMALE X 1/4" MP MALE	20,000 psi
HHF4-MM6	1/4" HP FEMALE X 3/8" MP MALE	20,000 psi
HHF4-MM9	1/4" HP FEMALE X 9/16" MP MALE	20,000 psi
HHF6-MM4	3/8" HP FEMALE X 1/4" MP MALE	20,000 psi
HHF6-MM6	3/8" HP FEMALE X 3/8" MP MALE	20,000 psi
HHF6-MM9	3/8" HP FEMALE X 9/16" MP MALE	20,000 psi
HHF9-MM6	9/16" HP FEMALE X 3/8" MP MALE	20,000 psi
HHF9-MM9	9/16" HP FEMALE X 9/16" MP MALE	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE X HIGH PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMF4-HM4	1/4" MP FEMALE X 1/4" HP MALE	20,000 psi
HMF4-HM6	1/4" MP FEMALE X 3/8" HP MALE	20,000 psi
HMF4-HM9	1/4" MP FEMALE X 9/16" HP MALE	20,000 psi
HMF6-HM4	3/8" MP FEMALE X 1/4" HP MALE	20,000 psi
HMF6-HM6	3/8" MP FEMALE X 3/8" HP MALE	20,000 psi
HMF6-HM9	3/8" MP FEMALE X 9/16" HP MALE	20,000 psi
HMF9-HM4	9/16" MP FEMALE X 1/4" HP MALE	20,000 psi
HMF9-HM6	9/16" MP FEMALE X 3/8" HP MALE	20,000 psi
HMF9-HM9	9/16" MP FEMALE X 9/16" HP MALE	20,000 psi



## HIGH PRESSURE X NPT ADAPTERS

**SPIR STAR** High Pressure X NPT (National Pipe Taper) adapters seal with a 60 degree cone High Pressure connection and a tapered thread NPT connection and are rated for working pressures up to 15,000 psi. However, working pressures may be decreased depending upon the NPT thread size.

### Sizes:

#### Common Description

1/4" High Pressure  
3/8" High Pressure  
9/16" High Pressure

#### Actual Thread Dimension

9/16"-18 Thread on Gland Nut  
3/4"-16 Thread on Gland Nut  
1-1/8"-12 Thread on Gland Nut

### NPT Thread MAX Working Pressures:

#### NPT Thread Size

1/8" - 1/2" NPT  
3/4" - 1" NPT

#### Working Pressure:

15,000 psi  
10,000 psi





# Hydraulic & Offshore Supplies

## HIGH PRESSURE MALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHM4-NM4	1/4" HP MALE X 1/4" NPT MALE	15,000 psi
HHM4-NM6	1/4" HP MALE X 3/8" NPT MALE	15,000 psi
HHM4-NM8	1/4" HP MALE X 1/2" NPT MALE	15,000 psi
HHM6-NM4	3/8" HP MALE X 1/4" NPT MALE	15,000 psi
HHM6-NM6	3/8" HP MALE X 3/8" NPT MALE	15,000 psi
HHM6-NM8	3/8" HP MALE X 1/2" NPT MALE	15,000 psi
HHM9-NM4	9/16" HP MALE X 1/4" NPT MALE	15,000 psi
HHM9-NM6	9/16" HP MALE X 3/8" NPT MALE	15,000 psi
HHM9-NM8	9/16" HP MALE X 1/2" NPT MALE	15,000 psi
HHM9-NM12	9/16" HP MALE X 3/4" NPT MALE	10,000 psi
HHM9-NM16	9/16" HP MALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## HIGH PRESSURE FEMALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HHF4-NM4	1/4" HP FEMALE X 1/4" NPT MALE	15,000 psi
HHF4-NM6	1/4" HP FEMALE X 3/8" NPT MALE	15,000 psi
HHF4-NM8	1/4" HP FEMALE X 1/2" NPT MALE	15,000 psi
HHF6-NM4	3/8" HP FEMALE X 1/4" NPT MALE	15,000 psi
HHF6-NM6	3/8" HP FEMALE X 3/8" NPT MALE	15,000 psi
HHF6-NM8	3/8" HP FEMALE X 1/2" NPT MALE	15,000 psi
HHF9-NM6	9/16" HP FEMALE X 3/8" NPT MALE	15,000 psi
HHF9-NM8	9/16" HP FEMALE X 1/2" NPT MALE	15,000 psi
HHF9-NM16	9/16" HP FEMALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## NPT FEMALE X HIGH PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNF4-HM4	1/4" NPT FEMALE X 1/4" HP MALE	15,000 psi
HNF4-HM6	1/4" NPT FEMALE X 3/8" HP MALE	15,000 psi
HNF4-HM9	1/4" NPT FEMALE X 9/16" HP MALE	15,000 psi
HNF6-HM4	3/8" NPT FEMALE X 1/4" HP MALE	15,000 psi
HNF6-HM6	3/8" NPT FEMALE X 3/8" HP MALE	15,000 psi
HNF8-HM4	1/2" NPT FEMALE X 1/4" HP MALE	15,000 psi
HNF8-HM6	1/2" NPT FEMALE X 3/8" HP MALE	15,000 psi
HNF8-HM9	1/2" NPT FEMALE X 9/16" HP MALE	15,000 psi



## MEDIUM PRESSURE FITTINGS

**SPIR STAR** Medium Pressure fittings (sometimes know as “Slimline”) seal with a 60 degree cone and are rated for working pressures up to 20,000 psi.

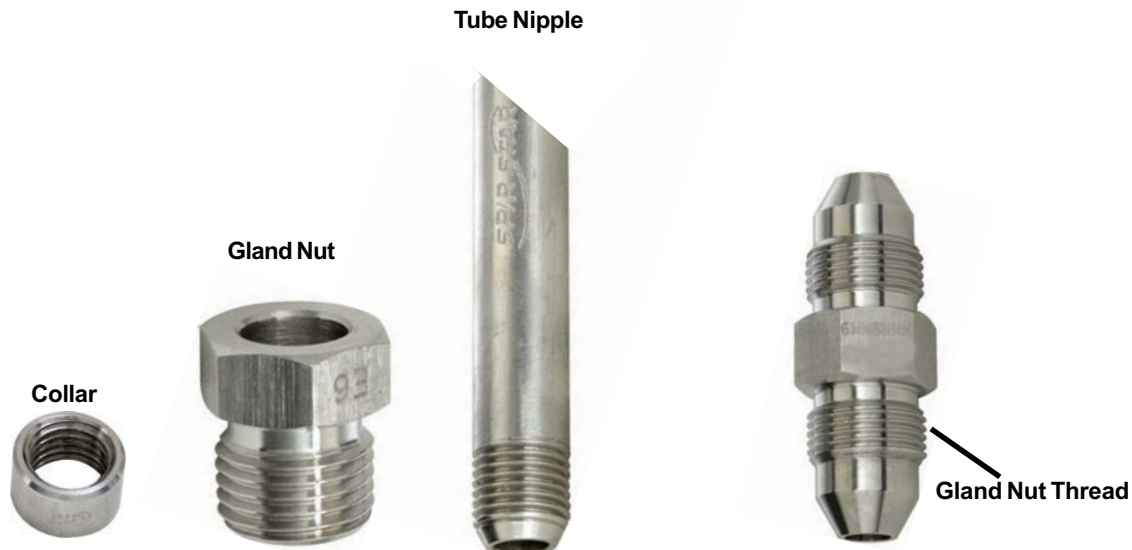
Sizes:

### Common Description

1/4" Medium Pressure  
3/8" Medium Pressure  
9/16" Medium Pressure  
3/4" Medium Pressure  
1" Medium Pressure

### Actual Thread Dimension

7/16"-20 Thread on Gland Nut  
9/16"-18 Thread on Gland Nut  
13/16"-16 Thread on Gland Nut  
3/4"-14 Thread on Gland Nut  
1-3/8"-12 Thread on Gland Nut





# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE MALE HEX NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMM4-MM4	1/4" MP MALE X 1/4" MP MALE	20,000 psi
HMM6-MM6	3/8" MP MALE X 3/8" MP MALE	20,000 psi
HMM6-MM9	3/8" MP MALE X 9/16" MP MALE	20,000 psi
HMM9-MM9	9/16" MP MALE X 9/16" MP MALE	20,000 psi
HMM9-MM12	9/16" MP MALE X 3/4" MP MALE	20,000 psi
HMM9-MM16	9/16" MP MALE X 1" MP MALE	20,000 psi
HMM12-MM12	3/4" MP MALE X 3/4" MP MALE	20,000 psi
HMM16-MM16	1" MP MALE X 1" MP MALE	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE ELBOWS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HEMF4	1/4" MP FEMALE ELBOW	20,000 psi
HEMF6	3/8" MP FEMALE ELBOW	20,000 psi
HEMF9	9/16" MP FEMALE ELBOW	20,000 psi
HEMF12	3/4" MP FEMALE ELBOW	20,000 psi
HEMF16	1" MP FEMALE ELBOW	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE TEES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HTMF4	1/4" MP FEMALE TEE	20,000 psi
HTMF6	3/8" MP FEMALE TEE	20,000 psi
HTMF9	9/16" MP FEMALE TEE	20,000 psi
HTMF12	3/4" MP FEMALE TEE	20,000 psi
HTMF16	1" MP FEMALE TEE	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE CROSSES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCRMF4	1/4" MP FEMALE CROSS	20,000 psi
HCRMF6	3/8" MP FEMALE CROSS	20,000 psi
HCRMF9	9/16" MP FEMALE CROSS	20,000 psi
HCRMF12	3/4" MP FEMALE CROSS	20,000 psi
HCRMF16	1" MP FEMALE CROSS	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMF4-MM6	1/4" MP FEMALE X 3/8" MP MALE	20,000 psi
HMF4-MM9	1/4" MP FEMALE X 9/16" MP MALE	20,000 psi
HMF6-MM9	3/8" MP FEMALE X 9/16" MP MALE	20,000 psi
HMF9-MM6	9/16" MP FEMALE X 3/8" MP MALE	20,000 psi
HMF9-MM12	9/16" MP FEMALE X 3/4" MP MALE	20,000 psi
HMF9-MM16	9/16" MP FEMALE X 1" MP MALE	20,000 psi



# Hydraulic & Offshore Supplies

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications such as tube bundle cleaning

## MEDIUM PRESSURE SLIMLINE COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCSSL-MF4-LL	1/4" MP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.374" OD	20,000 psi
HCSSL-MF4-LR	1/4" MP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.374" OD	20,000 psi
HCSSL-MF4-RR	1/4" MP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.374" OD	20,000 psi
HCSSL-MF6-LL	3/8" MP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.499" OD	20,000 psi
HCSSL-MF6-LR	3/8" MP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.499" OD	20,000 psi
HCSSL-MF6-RR	3/8" MP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.499" OD	20,000 psi
HCSSL-MF9-LL	9/16" MP FEMALE SLIMLINE COUPLER LEFT X LEFT* 0.687" OD	20,000 psi

\* = Designates Left Hand Thread or Right Hand Thread



# Hydraulic & Offshore Supplies

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications such as tube bundle cleaning

## MEDIUM PRESSURE SLIMLINE COUPLERS

(Cont'd.)

PART #	DESCRIPTION	MAX WORKING PRESSURE
HCSSL-MF9-LR	9/16" MP FEMALE SLIMLINE COUPLER LEFT X RIGHT* 0.687" OD	20,000 psi
HCSSL-MF9-RR	9/16" MP FEMALE SLIMLINE COUPLER RIGHT X RIGHT* 0.687" OD	20,000 psi

\* = Designates Left Hand Thread or Right Hand Thread



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE HEAVY DUTY COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HC-MF4	1/4" MP FEMALE COUPLER	20,000 psi
HC-MF6	3/8" MP FEMALE COUPLER	20,000 psi
HC-MF9	9/16" MP FEMALE COUPLER	20,000 psi
HC-MF12	3/4" MP FEMALE COUPLER	20,000 psi
HC-MF16	1" MP FEMALE COUPLER	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE TUBE NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMM6-3"	3/8" MP NIPPLE X 3" LONG	20,000 psi
HMM9-3"	9/16" MP NIPPLE X 3" LONG	20,000 psi
HMM9-4"	9/16" MP NIPPLE X 4" LONG	20,000 psi
HMM9-6"	9/16" MP NIPPLE X 6" LONG	20,000 psi
HMM9-8"	9/16" MP NIPPLE X 8" LONG	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE PLUGS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMM4-PLUG	1/4" MP PLUG	20,000 psi
HMM6-PLUG	3/8" MP PLUG	20,000 psi
HMM9-PLUG	9/16" MP PLUG	20,000 psi
HMM12-PLUG	3/4" MP PLUG	20,000 psi
HMM16-PLUG	1" MP PLUG	20,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE GLAND NUTS AND COLLARS

Gland Nut



Collar



PART #	DESCRIPTION	WORKING PRESSURE
GN-1/4" MP	1/4" MP GLAND NUT	20,000 psi
GN-3/8" MP	3/8" MP GLAND NUT	20,000 psi
GN-9/16" MP	9/16" MP GLAND NUT	20,000 psi
GN-3/4" MP	3/4" MP GLAND NUT	20,000 psi
GN-1" MP	1" MP GLAND NUT	20,000 psi
CLR-1/4" MP	1/4" MP COLLAR	20,000 psi
CLR-3/8" MP	3/8" MP COLLAR	20,000 psi
CLR-9/16" MP	9/16" MP COLLAR	20,000 psi
CLR-3/4" MP	3/4" MP COLLAR	20,000 psi
CLR-1" MP	1" MP COLLAR	20,000 psi



## MEDIUM PRESSURE X NPT ADAPTERS

**SPIR STAR** Medium Pressure X NPT (National Pipe Taper) adapters seal with a 60 degree cone Medium Pressure connection and a tapered thread NPT connection and are rated for working pressures up to 15,000 psi. However, working pressures may be decreased depending upon the NPT thread size.

### Sizes:

Common Description	Actual Thread Dimension
1/4" Medium Pressure	7/16"-20 Thread on Gland Nut
3/8" Medium Pressure	9/16"-18 Thread on Gland Nut
9/16" Medium Pressure	13/16"-16 Thread on Gland Nut
3/4" Medium Pressure	3/4"-14 Thread on Gland Nut
1" Medium Pressure	1-3/8"-12 Thread on Gland Nut

### NPT Thread MAX Working Pressures:

#### NPT Thread Size:

1/16" - 1/2" NPT  
3/4" - 1" NPT

#### Working Pressure:

15,000 psi  
10,000 psi





# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE MALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMM4-NM4	1/4" MP MALE X 1/4" NPT MALE	15,000 psi
HMM4-NM6	1/4" MP MALE X 3/8" NPT MALE	15,000 psi
HMM6-NM4	3/8" MP MALE X 1/4" NPT MALE	15,000 psi
HMM6-NM6	3/8" MP MALE X 3/8" NPT MALE	15,000 psi
HMM6-NM8	3/8" MP MALE X 1/2" NPT MALE	15,000 psi
HMM9-NM4	9/16" MP MALE X 1/4" NPT MALE	15,000 psi
HMM9-NM6	9/16" MP MALE X 3/8" NPT MALE	15,000 psi
HMM9-NM8	9/16" MP MALE X 1/2" NPT MALE	15,000 psi
HMM9-NM16	9/16" MP MALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## MEDIUM PRESSURE FEMALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMF6-NM4	3/8" MP FEMALE X 1/4" NPT MALE	15,000 psi
HMF6-NM6	3/8" MP FEMALE X 3/8" NPT MALE	15,000 psi
HMF6-NM8	3/8" MP FEMALE X 1/2" NPT MALE	15,000 psi
HMF9-NM4	9/16" MP FEMALE X 1/4" NPT MALE	15,000 psi
HMF9-NM6	9/16" MP FEMALE X 3/8" NPT MALE	15,000 psi
HMF9-NM8	9/16" MP FEMALE X 1/2" NPT MALE	15,000 psi
HMF9-NM16	9/16" MP FEMALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## NPT FEMALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNF2-MM9	1/8" NPT FEMALE X 9/16" MP MALE	15,000 psi
HNF4-MM4	1/4" NPT FEMALE X 1/4" MP MALE	15,000 psi
HNF4-MM6	1/4" NPT FEMALE X 3/8" MP MALE	15,000 psi
HNF4-MM9	1/4" NPT FEMALE X 9/16" MP MALE	15,000 psi
HNF6-MM9	3/8" NPT FEMALE X 9/16" MP MALE	15,000 psi
HNF8-MM9	1/2" NPT FEMALE X 9/16" MP MALE	15,000 psi
HNF8-MM12	1/2" NPT FEMALE X 3/4" MP MALE	15,000 psi
HNF8-MM16	1/2" NPT FEMALE X 1" MP MALE	15,000 psi
HNF12-MM16	3/4" NPT FEMALE X 1" MP MALE	10,000 psi
HNF16-MM16	1" NPT FEMALE X 1" MP MALE	10,000 psi



## NPT FITTINGS

**NPT (National Pipe Taper) fittings have working pressures up to 15,000 psi however working pressures may be decreased depending upon thread size.**

**Thread Size**  
1/16" - 1/2" NPT  
3/4" - 1" NPT

**Working Pressure**  
15,000 psi  
10,000 psi





# Hydraulic & Offshore Supplies

## NPT MALE HEX NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNM2-NM2	1/8" NPT MALE X 1/8" NPT MALE	15,000 psi
HNM4-NM4	1/4" NPT MALE X 1/4" NPT MALE	15,000 psi
HNM6-NM6	3/8" NPT MALE X 3/8" NPT MALE	15,000 psi
HNM6-NM4	3/8" NPT MALE X 1/4" NPT MALE	15,000 psi
HNM8-NM8	1/2" NPT MALE X 1/2" NPT MALE	15,000 psi
HNM8-NM4	1/2" NPT MALE X 1/4" NPT MALE	15,000 psi
HNM8-NM6	1/2" NPT MALE X 3/8" NPT MALE	15,000 psi
HNM12-NM12	3/4" NPT MALE X 3/4" NPT MALE	10,000 psi
HNM12-NM8	3/4" NPT MALE X 1/2" NPT MALE	10,000 psi
HNM16-NM16	1" NPT MALE X 1" NPT MALE	10,000 psi
HNM16-NM8	1" NPT MALE X 1/2" NPT MALE	10,000 psi
HNM16-NM12	1" NPT MALE X 3/4" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## NPT BUSHINGS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNF1-NM2	1/16" NPT FEMALE X 1/8" NPT MALE	15,000 psi
HNF1-NM4	1/16" NPT FEMALE X 1/4" NPT MALE	15,000 psi
HNF1-NM6	1/16" NPT FEMALE X 3/8" NPT MALE	15,000 psi
HNF1-NM8	1/16" NPT FEMALE X 1/2" NPT MALE	15,000 psi
HNF2-NM4	1/8" NPT FEMALE X 1/4" NPT MALE	15,000 psi
HNF2-NM6	1/8" NPT FEMALE X 3/8" NPT MALE	15,000 psi
HNF2-NM8	1/8" NPT FEMALE X 1/2" NPT MALE	15,000 psi
HNF4-NM6	1/4" NPT FEMALE X 3/8" NPT MALE	15,000 psi
HNF4-NM8	1/4" NPT FEMALE X 1/2" NPT MALE	15,000 psi
HNF4-NM12	1/4" NPT FEMALE X 3/4" NPT MALE	10,000 psi
HNF4-NM16	1/4" NPT FEMALE X 1" NPT MALE	10,000 psi
HNF6-NM4	3/8" NPT FEMALE X 1/4" NPT MALE	15,000 psi
HNF6-NM8	3/8" NPT FEMALE X 1/2" NPT MALE	15,000 psi



# Hydraulic & Offshore Supplies

## NPT BUSHINGS

(Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
HNF6-NM12	3/8" NPT FEMALE X 3/4" NPT MALE	10,000 psi
HNF6-NM16	3/8" NPT FEMALE X 1" NPT MALE	10,000 psi
HNF8-NM4	1/2" NPT FEMALE X 1/4" NPT MALE	15,000 psi
HNF8-NM6	1/2" NPT FEMALE X 3/8" NPT MALE	15,000 psi
HNF8-NM12	1/2" NPT FEMALE X 3/4" NPT MALE	10,000 psi
HNF8-NM16	1/2" NPT FEMALE X 1" NPT MALE	10,000 psi
HNF12-NM16	3/4" NPT FEMALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## NPT FEMALE ELBOWS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HENF4	1/4" NPT FEMALE ELBOW	15,000 psi
HENF6	3/8" NPT FEMALE ELBOW	15,000 psi
HENF8	1/2" NPT FEMALE ELBOW	15,000 psi
HENF12	3/4" NPT FEMALE ELBOW	10,000 psi
HENF16	1" NPT FEMALE ELBOW	10,000 psi



# Hydraulic & Offshore Supplies

## NPT STREET ELBOWS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HSENF4	1/4" NPT MALE X NPT FEMALE STREET ELBOW	15,000 psi
HSENF6	3/8" NPT MALE X NPT FEMALE STREET ELBOW	15,000 psi
HSENF8	1/2" NPT MALE X NPT FEMALE STREET ELBOW	15,000 psi



# Hydraulic & Offshore Supplies

## NPT FEMALE TEES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HTNF4	1/4" NPT FEMALE TEE	15,000 psi
HTNF6	3/8" NPT FEMALE TEE	15,000 psi
HTNF8	1/2" NPT FEMALE TEE	15,000 psi
HTNF12	3/4" NPT FEMALE TEE	10,000 psi
HTNF16	1" NPT FEMALE TEE	10,000 psi



# Hydraulic & Offshore Supplies

## NPT STREET TEES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HSTNF4	1/4" NPT MALE X NPT FEMALE STREET TEE	15,000 psi
HSTNF6	3/8" NPT MALE X NPT FEMALE STREET TEE	15,000 psi
HSTNF8	1/2" NPT MALE X NPT FEMALE STREET TEE	15,000 psi



# Hydraulic & Offshore Supplies

## NPT FEMALE CROSSES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCRNF4	1/4" NPT FEMALE CROSS	15,000 psi
HCRNF6	3/8" NPT FEMALE CROSS	15,000 psi
HCRNF8	1/2" NPT FEMALE CROSS	15,000 psi
HCRNF12	3/4" NPT FEMALE CROSS	10,000 psi
HCRNF16	1" NPT FEMALE CROSS	10,000 psi



# Hydraulic & Offshore Supplies

Slimline couplers are designed to be used ONLY for high pressure waterjetting applications such as tube bundle cleaning

## NPT SLIMLINE COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HCSL-NF1	1/16" NPT FEMALE SLIMLINE COUPLER 0.375" OD	10,000 psi
HCSL-NF2-NF1	1/8" NPT FEMALE X 1/16" NPT FEMALE SLIMLINE COUPLER 0.480" OD	10,000 psi
HCSL-NF2	1/8" NPT FEMALE SLIMLINE COUPLER 0.480" OD	10,000 psi
HCSL - NF4	1/4" NPT FEMALE SLIMLINE COUPLER 0.690" OD	10,000 psi
HCSL-NF6	3/8" NPT FEMALE SLIMLINE COUPLER 0.875" OD	10,000 psi
HCSL-NF8	1/2" NPT FEMALE SLIMLINE COUPLER 1.130" OD	10,000 psi



# Hydraulic & Offshore Supplies

## NPT HEAVY DUTY COUPLERS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HC-NF4 HD	1/4" NPT FEMALE COUPLER	15,000 psi
HC-NF6 HD	3/8" NPT FEMALE COUPLER	15,000 psi
HC-NF6-NF4 HD	3/8" NPT FEMALE X 1/4" NPT FEMALE COUPLER	15,000 psi
HC-NF8 HD	1/2" NPT FEMALE COUPLER	15,000 psi
HC-NF8-NF4 HD	1/2" NPT FEMALE X 1/4" NPT FEMALE COUPLER	15,000 psi
HC-NF8-NF6 HD	1/2" NPT FEMALE X 3/8" NPT FEMALE COUPLER	15,000 psi
HC-NF12 HD	3/4" NPT FEMALE COUPLER	10,000 psi
HC-NF12-NF8 HD	3/4" NPT FEMALE X 1/2" NPT FEMALE COUPLER	10,000 psi
HC-NF16 HD	1" NPT FEMALE COUPLER	10,000 psi
HC-NF16-NF12 HD	1" NPT FEMALE X 3/4" NPT FEMALE COUPLER	10,000 psi



# Hydraulic & Offshore Supplies

## NPT PIPE NIPPLES



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNM4-2"	1/4" NPT MALE NIPPLE X 2" LONG	15,000 psi
HNM4-3"	1/4" NPT MALE NIPPLE X 3" LONG	15,000 psi
HNM4-4"	1/4" NPT MALE NIPPLE X 4" LONG	15,000 psi
HNM4-6"	1/4" NPT MALE NIPPLE X 6" LONG	15,000 psi
HNM6-2"	3/8" NPT MALE NIPPLE X 2" LONG	15,000 psi
HNM6-3"	3/8" NPT MALE NIPPLE X 3" LONG	15,000 psi
HNM6-4"	3/8" NPT MALE NIPPLE X 4" LONG	15,000 psi
HNM6-6"	3/8" NPT MALE NIPPLE X 6" LONG	15,000 psi
HNM8-2"	1/2" NPT MALE NIPPLE X 2" LONG	15,000 psi
HNM8-3"	1/2" NPT MALE NIPPLE X 3" LONG	15,000 psi
HNM8-4"	1/2" NPT MALE NIPPLE X 4" LONG	15,000 psi
HNM8-6"	1/2" NPT MALE NIPPLE X 6" LONG	15,000 psi



# Hydraulic & Offshore Supplies

## NPT PIPE NIPPLES

(Cont'd.)

<b>PART #</b>	<b>DESCRIPTION</b>	<b>MAX WORKING PRESSURE</b>
HNM12-4"	3/4" NPT MALE NIPPLE X 4" LONG	10,000 psi
HNM12-6"	3/4" NPT MALE NIPPLE X 6" LONG	10,000 psi
HNM16-4"	1" NPT MALE NIPPLE X 4" LONG	10,000 psi
HNM16-6"	1" NPT MALE NIPPLE X 6" LONG	10,000 psi



# Hydraulic & Offshore Supplies

## NPT PLUGS



PART #	DESCRIPTION	MAX WORKING PRESSURE
HNM4-PLUG	1/4" NPT MALE PLUG	15,000 psi
HNM6-PLUG	3/8" NPT MALE PLUG	15,000 psi
HNM8-PLUG	1/2" NPT MALE PLUG	15,000 psi
HNM12-PLUG	3/4" NPT MALE PLUG	10,000 psi
HNM16-PLUG	1" NPT MALE PLUG	10,000 psi



## JIC ADAPTERS

***SPIR STAR*** JIC adapters seal with a 37 degree cone and are rated for working pressures up to 10,000 psi.

Sizes:

Common Description	Actual Thread Dimension
#4 1/4" JIC	7/16"-20 Thread
#6 3/8" JIC	9/16"-18 Thread
#8 1/2" JIC	3/4"-16 Thread
#12 3/4" JIC	1-1/16"-12 Thread
#16 1" JIC	1-5/16"-12 Thread





# Hydraulic & Offshore Supplies

## JIC MALE X JIC MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMJ4-MJ4	1/4" JIC MALE X 1/4" JIC MALE	10,000 psi
HMJ4-MJ6	1/4" JIC MALE X 3/8" JIC MALE	10,000 psi
HMJ4-MJ8	1/4" JIC MALE X 1/2" JIC MALE	10,000 psi
HMJ6-MJ6	3/8" JIC MALE X 3/8" JIC MALE	10,000 psi
HMJ6-MJ8	3/8" JIC MALE X 1/2" JIC MALE	10,000 psi
HMJ8-MJ8	1/2" JIC MALE X 1/2" JIC MALE	10,000 psi
HMJ16-MJ16	1" JIC MALE X 1" JIC MALE	10,000 psi



# Hydraulic & Offshore Supplies

## JIC MALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMJ4-NM4	1/4" JIC MALE X 1/4" NPT MALE	10,000 psi
HMJ4-NM6	1/4" JIC MALE X 3/8" NPT MALE	10,000 psi
HMJ4-NM8	1/4" JIC MALE X 1/2" NPT MALE	10,000 psi
HMJ6-NM4	3/8" JIC MALE X 1/4" NPT MALE	10,000 psi
HMJ6-NM6	3/8" JIC MALE X 3/8" NPT MALE	10,000 psi
HMJ6-NM8	3/8" JIC MALE X 1/2" NPT MALE	10,000 psi
HMJ8-NM4	1/2" JIC MALE X 1/4" NPT MALE	10,000 psi
HMJ8-NM6	1/2" JIC MALE X 3/8" NPT MALE	10,000 psi
HMJ8-NM8	1/2" JIC MALE X 1/2" NPT MALE	10,000 psi
HMJ8-NM12	1/2" JIC MALE X 3/4" NPT MALE	10,000 psi
HMJ8-NM16	1/2" JIC MALE X 1" NPT MALE	10,000 psi
HMJ16-NM16	1" JIC MALE X 1" NPT MALE	10,000 psi



# Hydraulic & Offshore Supplies

## JIC MALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMJ4-MM4	1/4" JIC MALE X 1/4" MP MALE	10,000 psi
HMJ4-MM6	1/4" JIC MALE X 3/8" MP MALE	10,000 psi
HMJ4-MM9	1/4" JIC MALE X 9/16" MP MALE	10,000 psi
HMJ6-MM4	3/8" JIC MALE X 1/4" MP MALE	10,000 psi
HMJ6-MM6	3/8" JIC MALE X 3/8" MP MALE	10,000 psi
HMJ6-MM9	3/8" JIC MALE X 9/16" MP MALE	10,000 psi
HMJ6-MM12	3/8" JIC MALE X 3/4" MP MALE	10,000 psi
HMJ8-MM4	1/2" JIC MALE X 1/4" MP MALE	10,000 psi
HMJ8-MM6	1/2" JIC MALE X 3/8" MP MALE	10,000 psi
HMJ8-MM9	1/2" JIC MALE X 9/16" MP MALE	10,000 psi
HMJ8-MM12	1/2" JIC MALE X 3/4" MP MALE	10,000 psi
HMJ8-MM16	1/2" JIC MALE X 1" MP MALE	10,000 psi
HMJ16-MM12	1" JIC MALE X 3/4" MP MALE	10,000 psi
HMJ16-MM16	1" JIC MALE X 1" MP MALE	10,000 psi



# Hydraulic & Offshore Supplies

## JIC MALE X HIGH PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
HMJ4-HM4	1/4" JIC MALE X 1/4" HP MALE	10,000 psi
HMJ4-HM6	1/4" JIC MALE X 3/8" HP MALE	10,000 psi
HMJ4-HM9	1/4" JIC MALE X 9/16" HP MALE	10,000 psi
HMJ6-HM4	3/8" JIC MALE X 1/4" HP MALE	10,000 psi
HMJ6-HM6	3/8" JIC MALE X 3/8" HP MALE	10,000 psi
HMJ6-HM9	3/8" JIC MALE X 9/16" HP MALE	10,000 psi
HMJ8-HM4	1/2" JIC MALE X 1/4" HP MALE	10,000 psi
HMJ8-HM6	1/2" JIC MALE X 3/8" HP MALE	10,000 psi
HMJ8-HM9	1/2" JIC MALE X 9/16" HP MALE	10,000 psi



## TYPE "M" ADAPTERS

Type "M" adapters are for use with Type "M" swivel hose end fittings. These adapters seal with a 58 degree cone and are rated for working pressures up to 50,000 psi.

### Sizes:

Common Description	Actual Thread Dimension
M9	9/16"-18 Thread
M12	3/4"-16 Thread
M14	7/8"-14 Thread
M16	1"-12 Thread
M18	1-1/8"-12 Thread
M21	1-5/16"-12 Thread





# Hydraulic & Offshore Supplies

## TYPE "M" MALE X TYPE "M" MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-M9	9/16"-18 TYPE M X 9/16"-18 TYPE M	50,000 psi
M12-M12	3/4"-16 TYPE M X 3/4"-16 TYPE M	30,000 psi
M12-M9	3/4"-16 TYPE M X 9/16"-18 TYPE M	30,000 psi
M14-M14	7/8"-14 TYPE M X 7/8"-14 TYPE M	50,000 psi
M14-M9	7/8"-14 TYPE M X 9/16"-18 TYPE M	50,000 psi
M16-M16	1"-12 TYPE M X 1"-12 TYPE M	30,000 psi
M16-M9	1"-12 TYPE M X 9/16"-18 TYPE M	30,000 psi
M16-M12	1"-12 TYPE M X 3/4"-16 TYPE M	30,000 psi
M18-M18	1-1/8"-12 TYPE M X 1-1/8"-12 TYPE M	50,000 psi
M18-M9	1-1/8"-12 TYPE M X 9/16"-18 TYPE M	50,000 psi
M18-M14	1-1/8"-12 TYPE M X 7/8"-14 TYPE M	50,000 psi
M21-M21	1-5/16"-12 TYPE M X 1-5/6"-12 TYPE M	20,000 psi
M21-M16	1-5/16"-12 TYPE M X 1"-12 TYPE M	20,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" MALE X NPT MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-NM4	9/16"-18 TYPE M X 1/4" NPT MALE	15,000 psi
M9-NM6	9/16"-18 TYPE M X 3/8" NPT MALE	15,000 psi
M9-NM8	9/16"-18 TYPE M X 1/2" NPT MALE	15,000 psi
M9-NM12	9/16"-18 TYPE M X 3/4" NPT MALE	10,000 psi
M9-NM16	9/16"-18 TYPE M X 1" NPT MALE	10,000 psi
M12-NM4	3/4"-16 TYPE M X 1/4" NPT MALE	15,000 psi
M12-NM6	3/4"-16 TYPE M X 3/8" NPT MALE	15,000 psi
M12-NM8	3/4"-16 TYPE M X 1/2" NPT MALE	15,000 psi
M12-NM12	3/4"-16 TYPE M X 3/4" NPT MALE	10,000 psi
M12-NM16	3/4"-16 TYPE M X 1" NPT MALE	10,000 psi
M16-NM6	1"-12 TYPE M X 3/8" NPT MALE	15,000 psi
M16-NM8	1"-12 TYPE M X 1/2" NPT MALE	15,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" MALE X NPT MALE

(Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
M16-NM12	1"-12 TYPE M X 3/4" NPT MALE	10,000 psi
M16-NM16	1"-12 TYPE M X 1" NPT MALE	10,000 psi
M21-NM8	1-5/16"-12 TYPE M X 1/2" NPT MALE	15,000 psi
M21-NM12	1-5/16"-12 TYPE M X 3/4" NPT MALE	10,000 psi
M21-NM16	1-5/16"-12 TYPE M X 1" NPT MALE	10,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" MALE X MEDIUM PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-MP4	9/16"-18 TYPE M X 1/4" MP MALE	20,000 psi
M9-MP6	9/16"-18 TYPE M X 3/8" MP MALE	20,000 psi
M9-MP9	9/16"-18 TYPE M X 9/16" MP MALE	20,000 psi
M9-MP12	9/16"-18 TYPE M X 3/4" MP MALE	20,000 psi
M9-MP16	9/16"-18 TYPE M X 1" MP MALE	20,000 psi
M12-MP4	3/4"-16 TYPE M X 1/4" MP MALE	20,000 psi
M12-MP6	3/4"-16 TYPE M X 3/8" MP MALE	20,000 psi
M12-MP9	3/4"-16 TYPE M X 9/16" MP MALE	20,000 psi
M12-MP12	3/4"-16 TYPE M X 3/4" MP MALE	20,000 psi
M12-MP16	3/4"-16 TYPE M X 1" MP MALE	20,000 psi
M16-MP6	1"-12 TYPE M X 3/8" MP MALE	20,000 psi
M16-MP9	1"-12 TYPE M X 9/16" MP MALE	20,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" MALE X MEDIUM PRESSURE MALE (Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
M16-MP12	1"-12 TYPE M X 3/4" MP MALE	20,000 psi
M16-MP16	1"-12 TYPE M X 1" MP MALE	20,000 psi
M21-MP9	1-5/16"-12 TYPE M X 9/16" MP MALE	20,000 psi
M21-MP12	1-5/16"-12 TYPE M X 3/4" MP MALE	20,000 psi
M21-MP16	1-5/16"-12 TYPE M X 1" MP MALE	20,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" MALE X HIGH PRESSURE MALE



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-HP4	9/16"-18 TYPE M X 1/4" HP MALE	50,000 psi
M9-HP6	9/16"-18 TYPE M X 3/8" HP MALE	50,000 psi
M9-HP9	9/16"-18 TYPE M X 9/16" HP MALE	50,000 psi
M12-HP4	3/4"-16 TYPE M X 1/4" HP MALE	30,000 psi
M12-HP6	3/4"-16 TYPE M X 3/8" HP MALE	30,000 psi
M12-HP9	3/4"-16 TYPE M X 9/16" HP MALE	30,000 psi
M14-HP6	7/8"-14 TYPE M X 3/8" HP MALE	50,000 psi
M14-HP9	7/8"-14 TYPE M X 9/16" HP MALE	50,000 psi
M16-HP6	1"-12 TYPE M X 3/8" HP MALE	30,000 psi
M16-HP9	1"-12 TYPE M X 9/16" HP MALE	30,000 psi
M16-HP16	1"-12 TYPE M X 1" HP MALE	30,000 psi
M18-HP9	1-1/18"-12 TYPE M X 9/16" HP MALE	50,000 psi
M21-HP9	1-5/16"-12 TYPE M X 9/16" HP MALE	20,000 psi

Type "M" adapters are for use with Type "M" hose end fittings only



# Hydraulic & Offshore Supplies

## TYPE "M" CAPS



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-CAP	9/16"-18 TYPE M CAP	40,000 psi
M12-CAP	3/4"-16 TYPE M CAP	30,000 psi
M16-CAP	1"-12 TYPE M CAP	30,000 psi
M21-CAP	1-5/16"-12 TYPE M CAP	20,000 psi



# Hydraulic & Offshore Supplies

## TYPE "M" PLUGS



PART #	DESCRIPTION	MAX WORKING PRESSURE
M9-PLUG	9/16"-18 TYPE M PLUG	40,000 psi
M12-PLUG	3/4"-16 TYPE M PLUG	30,000 psi
M16-PLUG	1"-12 TYPE M PLUG	30,000 psi
M21-PLUG	1-5/16"-12 TYPE M PLUG	20,000 psi



## QUICK DISCONNECT COUPLINGS

***SPIR STAR*** offers a variety of Quick Disconnect Couplings in multiple thread styles and working pressures up to 30,000 psi.





# Hydraulic & Offshore Supplies

## SCREW TYPE QUICK DISCONNECTS - STAINLESS STEEL



PART #	DESCRIPTION	MAX WORKING PRESSURE
CQD-08-SET	1/2" NPT FEMALE SCREW TOGETHER QUICK DISCONNECT SET	15,000 psi



# Hydraulic & Offshore Supplies

## SCREW TYPE QUICK DISCONNECTS - HYDRAULIC SERVICE

Coupler



Nipple



PART #	DESCRIPTION	MAX WORKING PRESSURE
CPVV-14-F	1/4" NPT MALE SCREW TOGETHER QUICK DISCONNECT COUPLER	10,000 psi
CPVV-14-M	1/4" NPT FEMALE SCREW TOGETHER QUICK DISCONNECT NIPPLE	10,000 psi
CPVV-38-F	3/8" NPT MALE SCREW TOGETHER QUICK DISCONNECT COUPLER	10,000 psi
CPVV-38-M	3/8" NPT FEMALE SCREW TOGETHER QUICK DISCONNECT NIPPLE	10,000 psi



# Hydraulic & Offshore Supplies

## PUSH/PULL TYPE QUICK DISCONNECTS - WATERBLAST SERVICE

Coupler



Nipple



PART #	DESCRIPTION	MAX WORKING PRESSURE
CQD-08-FD-F	1/2" NPT FEMALE PUSH/PULL QUICK DISCONNECT COUPLER	10,000 psi
CQD-08-FD-M	1/2" NPT FEMALE PUSH/PULL QUICK DISCONNECT NIPPLE	10,000 psi



## SPC SERIES QUICK DISCONNECT COUPLINGS

- 30,000 psi MAX Working Pressure
- Stainless Steel Construction
- 0.25" ID Port Size
- Rated for full working pressure when disconnected





# Hydraulic & Offshore Supplies

## QUICK DISCONNECT FEMALE COUPLERS WITH CHECK VALVE



PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-0-M9	COUPLER W/CHECK VALVE X 9/16"-18 TYPE M	30,000 psi
SPC600-0-M12	COUPLER W/CHECK VALVE X 3/4"-16 TYPE M	30,000 psi
SPC600-0-M16	COUPLER W/CHECK VALVE X 1"-12 TYPE M	30,000 psi
SPC600-0-MJ4	COUPLER W/CHECK VALVE X 1/4" JIC MALE	10,000 psi
SPC600-0-MJ6	COUPLER W/CHECK VALVE X 3/8" JIC MALE	10,000 psi
SPC600-0-MJ8	COUPLER W/CHECK VALVE X 1/2" JIC MALE	10,000 psi
SPC600-0-NM4	COUPLER W/CHECK VALVE X 1/4" NPT MALE	15,000 psi
SPC600-0-NM6	COUPLER W/CHECK VALVE X 3/8" NPT MALE	15,000 psi

**Couplers available without check valve**



# Hydraulic & Offshore Supplies

## QUICK DISCONNECT FEMALE COUPLERS WITH CHECK VALVE (Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-0-NM8	COUPLER W/CHECK VALVE X 1/2" NPT MALE	15,000 psi
SPC600-0-NF4	COUPLER W/CHECK VALVE X 1/4" NPT FEMALE	15,000 psi
SPC600-0-NF6	COUPLER W/CHECK VALVE X 3/8" NPT FEMALE	15,000 psi
SPC600-0-NF8	COUPLER W/CHECK VALVE X 1/2" NPT FEMALE	15,000 psi
SPC600-0-MP4	COUPLER W/CHECK VALVE X 1/4" MP MALE	20,000 psi
SPC600-0-MP6	COUPLER W/CHECK VALVE X 3/8" MP MALE	20,000 psi
SPC600-0-MP9	COUPLER W/CHECK VALVE X 9/16" MP MALE	20,000 psi
SPC600-0-HP4	COUPLER W/CHECK VALVE X 1/4" HP MALE	30,000 psi
SPC600-0-HP6	COUPLER W/CHECK VALVE X 3/8" HP HP MALE	30,000 psi
SPC600-0-HP9	COUPLER W/CHECK VALVE X 9/16" HP MALE	30,000 psi
SPC600-0-X13	COUPLER W/CHECK VALVE X LOW ANGLE MALE	30,000 psi

**Couplers available without check valve**



# Hydraulic & Offshore Supplies

## QUICK DISCONNECT MALE NIPPLES WITH CHECK VALVE



PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-2-M9	NIPPLE W/CHECK VALVE X 9/16"-18 TYPE M	30,000 psi
SPC600-2-M12	NIPPLE W/CHECK VALVE X 3/4"-16 TYPE M	30,000 psi
SPC600-2-M16	NIPPLE W/CHECK VALVE X 1"-12 TYPE M	30,000 psi
SPC600-2-MJ4	NIPPLE W/CHECK VALVE X 1/4" JIC MALE	10,000 psi
SPC600-2-MJ6	NIPPLE W/CHECK VALVE X 3/8" JIC MALE	10,000 psi
SPC600-2-MJ8	NIPPLE W/CHECK VALVE X 1/2" JIC MALE	10,000 psi
SPC600-2-NM4	NIPPLE W/CHECK VALVE X 1/4" NPT MALE	15,000 psi
SPC600-2-NM6	NIPPLE W/CHECK VALVE X 3/8" NPT MALE	15,000 psi



# Hydraulic & Offshore Supplies

## QUICK DISCONNECT MALE NIPPLES WITH CHECK VALVE (Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-2-NM8	NIPPLE W/CHECK VALVE X 1/2" NPT MALE	15,000 psi
SPC600-2-NF4	NIPPLE W/CHECK VALVE X 1/4" NPT FEMALE	15,000 psi
SPC600-2-NF6	NIPPLE W/CHECK VALVE X 3/8" NPT FEMALE	15,000 psi
SPC600-2-NF8	NIPPLE W/CHECK VALVE X 1/2" NPT FEMALE	15,000 psi
SPC600-2-MP4	NIPPLE W/CHECK VALVE X 1/4" MP MALE	20,000 psi
SPC600-2-MP6	NIPPLE W/CHECK VALVE X 3/8" MP MALE	20,000 psi
SPC600-2-MP9	NIPPLE W/CHECK VALVE X 9/16" MP MALE	20,000 psi
SPC600-2-HP4	NIPPLE W/CHECK VALVE X 1/4" HP MALE	30,000 psi
SPC600-2-HP6	NIPPLE W/CHECK VALVE X 3/8" HP MALE	30,000 psi
SPC600-2-HP9	NIPPLE W/CHECK VALVE X 9/16" HP MALE	30,000 psi
SPC600-2-X13	NIPPLE W/CHECK VALVE X LOW ANGLE MALE	30,000 psi



# Hydraulic & Offshore Supplies

## QUICK DISCONNECT MALE NIPPLES WITHOUT CHECK VALVE



PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-1-M9	NIPPLE W/O CHECK VALVE X 9/16"-18 TYPE M	30,000 psi
SPC600-1-M12	NIPPLE W/O CHECK VALVE X 3/4"-16 TYPE M	30,000 psi
SPC600-1-M16	NIPPLE W/O CHECK VALVE X 1"-12 TYPE M	30,000 psi
SPC600-1-MJ4	NIPPLE W/O CHECK VALVE X 1/4" JIC MALE	10,000 psi
SPC600-1-MJ6	NIPPLE W/O CHECK VALVE X 3/8" JIC MALE	10,000 psi
SPC600-1-MJ8	NIPPLE W/O CHECK VALVE X 1/2" JIC MALE	10,000 psi
SPC600-1-NM4	NIPPLE W/O CHECK VALVE X 1/4" NPT MALE	15,000 psi
SPC600-1-NM6	NIPPLE W/O CHECK VALVE X 3/8" NPT MALE	15,000 psi
SPC600-1-NM8	NIPPLE W/O CHECK VALVE X 1/2" NPT MALE	15,000 psi



# Hydraulic & Offshore Supplies

## QUICK DISCONNECT MALE NIPPLES WITHOUT CHECK VALVE (Cont'd)

PART #	DESCRIPTION	MAX WORKING PRESSURE
SPC600-1-NF4	NIPPLE W/O CHECK VALVE X 1/4" NPT FEMALE	15,000 psi
SPC600-1-NF6	NIPPLE W/O CHECK VALVE X 3/8" NPT FEMALE	15,000 psi
SPC600-1-NF8	NIPPLE W/O CHECK VALVE X 1/2" NPT FEMALE	15,000 psi
SPC600-1-MP4	NIPPLE W/O CHECK VALVE X 1/4" MP MALE	20,000 psi
SPC600-1-MP6	NIPPLE W/O CHECK VALVE X 3/8" MP MALE	20,000 psi
SPC600-1-MP9	NIPPLE W/O CHECK VALVE X 9/16" MP MALE	20,000 psi
SPC600-1-HP4	NIPPLE W/O CHECK VALVE X 1/4" HP MALE	30,000 psi
SPC600-1-HP6	NIPPLE W/O CHECK VALVE X 3/8" HP MALE	30,000 psi
SPC600-1-HP9	NIPPLE W/O CHECK VALVE X 9/16" HP MALE	30,000 psi
SPC600-1-X13	NIPPLE W/O CHECK VALVE X LOW ANGLE MALE	30,000 psi



## NEEDLE VALVES

***SPIR STAR*** offers a large variety of needle valves with several thread variations and working pressures up to 60,000 psi.





# Hydraulic & Offshore Supplies

## TWO WAY STRAIGHT NEEDLE VALVES - 15K



PART #	DESCRIPTION	MAX WORKING PRESSURE
HVNF4-15K	1/4" NPT FEMALE TWO WAY STRAIGHT NEEDLE VALVE	15,000 psi
HVNF6-15K	3/8" NPT FEMALE TWO WAY STRAIGHT NEEDLE VALVE	15,000 psi
HVNF8-15K	1/2" NPT FEMALE TWO WAY STRAIGHT NEEDLE VALVE	15,000 psi
HVNF8NM8-15K	1/2" NPT FEMALE X 1/2" NPT MALE TWO WAY STRAIGHT NEEDLE VALVE	15,000 psi



# Hydraulic & Offshore Supplies

## TWO WAY STRAIGHT NEEDLE VALVES - 20K



PART #	DESCRIPTION	MAX WORKING PRESSURE
HVMF4-20K	1/4" MP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	20,000 psi
HVMF6-20K	3/8" MP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	20,000 psi
HVMF9-20K	9/16" MP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	20,000 psi



# Hydraulic & Offshore Supplies

## TWO WAY STRAIGHT NEEDLE VALVES - 30 to 60K



PART #	DESCRIPTION	MAX WORKING PRESSURE
HVHF4-30K	1/4" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	30,000 psi
HVHF4-60K	1/4" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	60,000 psi
HVHF6-30K	3/8" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	30,000 psi
HVHF6-60K	3/8" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	60,000 psi
HVHF9-30K	9/16" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	30,000 psi
HVHF9-60K	9/16" HP FEMALE TWO WAY STRAIGHT NEEDLE VALVE	60,000 psi



# Hydraulic & Offshore Supplies

## RECOMMENDED TIGHTENING PROCEDURES

CONNECTION	THREAD SIZES	TIGHTENING TORQUE (ft. lb.)
High Pressure		
1/4"	9/16" - 18thd	25
3/8"	3/4" - 16thd	50
9/16"	1-1/16" - 12thd	75
Medium Pressure		
1/4"	7/16" - 20thd	20
3/8"	9/16" - 18thd	30
9/16"	13/16" - 16thd	85
3/4"	3/4" NPSM	90
1"	1-3/8" - 12thd	125
Type M Swivel		
M9	9/16" - 18thd	25 - 30
M12	3/4" - 16thd	45 - 50
M14	7/8" - 14thd	50 - 60
M16	1" - 12thd	75 - 85
M21	1-5/16" - 12thd	100 - 120
JIC		
-4	7/16" - 20thd	11 - 12
-6	9/16" - 18thd	18 - 21
-8	3/4" - 16thd	36 - 39
-12	1-1/16" - 12thd	80 - 88
-16	1-5/16" - 12thd	100 - 108