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HP / MP FITTINGS

Technical Datasheet

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HIGH PRESSURES FITTINGS & ADAPTERS HP & MP



HIGH PRESSURE PERFORMANCE

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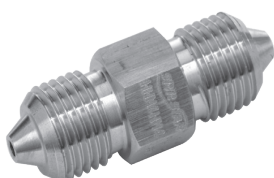


High Pressure Fittings

SPIR STAR High Pressure fittings and adapters seal with a 60 degree cone and are rated for working pressures up to 60,000 psi. Standard material is 316 stainless steel.

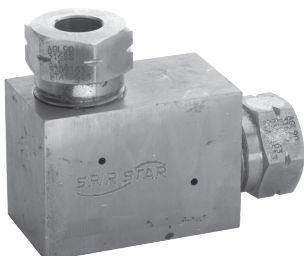
<i>Common Description</i>	<i>Actual Thread Dimension</i>
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut

High Pressure Male Hex Nipples



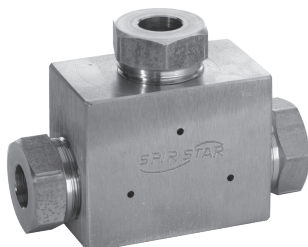
Part Number	Description	Max Working Pressure
<i>HHM4-HM4</i>	1/4" HP Male x 1/4" HP Male	60,000 psi
<i>HHM4-HM6</i>	1/4" HP Male x 3/8" HP Male	60,000 psi
<i>HHM4-HM9</i>	1/4" HP Male x 9/16" HP Male	60,000 psi
<i>HHM6-HM6</i>	3/8" HP Male x 3/8" HP Male	60,000 psi
<i>HHM6-HM9</i>	3/8" HP Male x 9/16" HP Male	60,000 psi
<i>HHM9-HM9</i>	9/16" HP Male x 9/16" HP Male	60,000 psi

High Pressure Female Elbows



Part Number	Description	Max Working Pressure
<i>HEHF4</i>	1/4" HP Female Elbow	60,000 psi
<i>HEHF6</i>	3/8" HP Female Elbow	60,000 psi
<i>HEHF9</i>	9/16" HP Female Elbow	60,000 psi

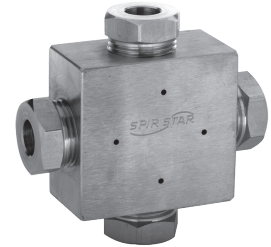
High Pressure Female Tees



Part Number	Description	Max Working Pressure
<i>HTHF4</i>	1/4" HP Female Tee	60,000 psi
<i>HTHF6</i>	3/8" HP Female Tee	60,000 psi
<i>HTHF9</i>	9/16" HP Female Tee	60,000 psi

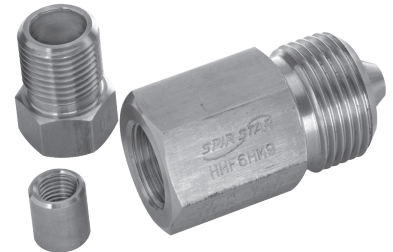
High Pressure Female Crosses

Part Number	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



High Pressure Female x High Pressure Male

Part Number	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



High Pressure Slimline Couplers

Slimline couplers are designed to be used for high pressure water blasting applications, such as tube bundle cleaning.

Part Number	Description	Max Working Pressure
HCSL-HF4-LL	1/4" HP Female Slimline Coupler Left x Left* 0.438" OD	40,000 psi
HCSL-HF4-LR	1/4" HP Female Slimline Coupler Left x Right* 0.438" OD	40,000 psi
HCSL-HF4-RR	1/4" HP Female Slimline Coupler Right x Right* 0.438" OD	40,000 psi
HCSL-HF6-LL	3/8" HP Female Slimline Coupler Left x Left* 0.563" OD	40,000 psi
HCSL-HF6-LR	3/8" HP Female Slimline Coupler Left x Right* 0.563" OD	40,000 psi
HCSL-HF6-RR	3/8" HP Female Slimline Coupler Right x Right* 0.563" OD	40,000 psi
HCSL-HF9-LL	9/16" HP Female Slimline Coupler Left x Left* 0.750" OD	40,000 psi
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		



High Pressure Fittings

High Pressure Heavy Duty Couplers



Part Number	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 x 3/8" HP Female Coupler	60,000 psi

Also available as bulkhead.

High Pressure Tube Nipples



Part Number	Description	Max Working Pressure
HHM4-3.00	1/4" HP Nipple x 3" Long	60,000 psi
HHM4-6.00	1/4" HP Nipple x 6" Long	60,000 psi
HHM6-3.00	3/8" HP Nipple x 3" Long	60,000 psi
HHM6-4.00	3/8" HP Nipple x 4" Long	60,000 psi
HHM9-4.00	9/16" HP Nipple x 4" Long	60,000 psi
HHM9-6.00	9/16" HP Nipple x 6" Long	60,000 psi

High Pressure Plugs



Part Number	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

High Pressure Gland Nuts & Collars

Part Number	Description	Max Working Pressure
<i>GN-1/8HP</i>	1/8" HP Gland Nut	60,000 psi
<i>GN-1/4HP</i>	1/4" HP Gland Nut	60,000 psi
<i>GN-3/8HP</i>	3/8" HP Gland Nut	60,000 psi
<i>GN-9/16HP</i>	9/16" HP Gland Nut	60,000 psi
<i>CLR-1/8HP</i>	1/8" HP Collar	60,000 psi
<i>CLR-1/4HP</i>	1/4" HP Collar	60,000 psi
<i>CLR-3/8HP</i>	3/8" HP Collar	60,000 psi
<i>CLR-9/16HP</i>	9/16" HP Collar	60,000 psi
* <i>GN-1/4HP-AV</i>	1/4" HP Anti-Vibration Assembly	60,000 psi
* <i>GN-3/8HP-AV</i>	3/8" HP Anti-Vibration Assembly	60,000 psi
* <i>GN-9/16HP-AV</i>	9/16" HP Anti-Vibration Assembly	60,000 psi
* Indicates Anti-Vibration style		



High Pressure Caps

Part Number	Description	Max Working Pressure
<i>HHF4-CAP</i>	1/4" HP Female Cap	60,000 psi
<i>HHF6-CAP</i>	3/8" HP Female Cap	60,000 psi
<i>HHF9-CAP</i>	9/16" HP Female Cap	60,000 psi

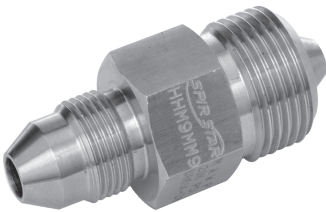


High Pressure x Medium Pressure Adapters

SPIR STAR High Pressure x Medium Pressure fittings and adapters seal with a 60 degree cone and are rated for working pressures up to 20,000 psi. Standard material is 316 stainless steel.

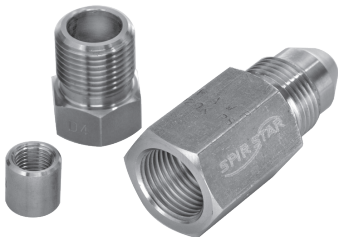
<i>Common Description</i>	<i>Actual Thread Dimension</i>
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut
1/4" Medium Pressure	7/16"-20 Thread on Gland Nut
3/8" Medium Pressure	9/16"-18 Thread on Gland Nut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

High Pressure Male x Medium Pressure Male



Part Number	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

High Pressure Female x Medium Pressure Male

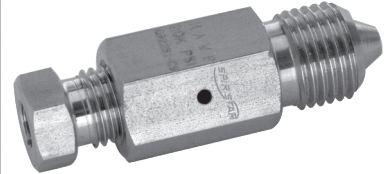


Part Number	Description	Max Working Pressure
HHF4-MM4	1/4" HP Female x 1/4" MP Male	20,000 psi
HHF4-MM6	1/4" HP Female x 3/8" MP Male	20,000 psi
HHF4-MM9	1/4" HP Female x 9/16" MP Male	20,000 psi
HHF6-MM4	3/8" HP Female x 1/4" MP Male	20,000 psi
HHF6-MM6	3/8" HP Female x 3/8" MP Male	20,000 psi
HHF6-MM9	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

High Pressure x Medium Pressure Adapters

Medium Pressure Female x High Pressure Male

Part Number	Description	Max Working Pressure
<i>HMF4-HM4</i>	1/4" MP Female x 1/4" HP Male	20,000 psi
<i>HMF4-HM6</i>	1/4" MP Female x 3/8" HP Male	20,000 psi
<i>HMF4-HM9</i>	1/4" MP Female x 9/16" HP Male	20,000 psi
<i>HMF6-HM4</i>	3/8" MP Female x 1/4" HP Male	20,000 psi
<i>HMF6-HM6</i>	3/8" MP Female x 3/8" HP Male	20,000 psi
<i>HMF6-HM9</i>	3/8" MP Female x 9/16" HP Male	20,000 psi
<i>HMF9-HM4</i>	9/16" MP Female x 1/4" HP Male	20,000 psi
<i>HMF9-HM6</i>	9/16" MP Female x 3/8" HP Male	20,000 psi
<i>HMF9-HM9</i>	9/16" MP Female x 9/16" HP Male	20,000 psi



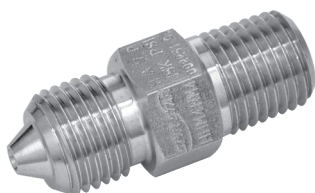
High Pressure x NPT Adapters

SPIR STAR High Pressure x NPT (National Pipe Taper) fittings and 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. Working pressures may be decreased depending upon the NPT thread size. Standard material is 316 stainless steel.

Common Description	Actual Thread Dimension
1/4" High Pressure	9/16"-18 Thread on Gland Nut
3/8" High Pressure	3/4"-16 Thread on Gland Nut
9/16" High Pressure	1 1/8"-12 Thread on Gland Nut

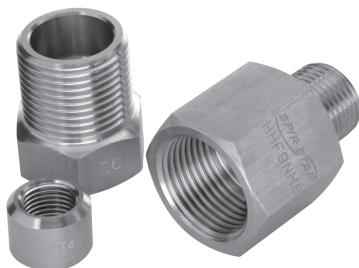
NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi

High Pressure Male x NPT Male



Part Number	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

High Pressure Female x NPT Male

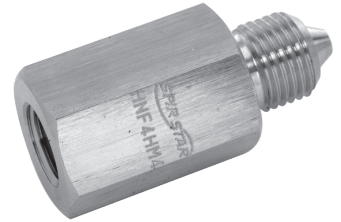


Part Number	Description	Max Working Pressure
HHF4-NM4	1/4" HP Female x 1/4" NPT Male	15,000 psi
HHF4-NM6	1/4" HP Female x 3/8" NPT Male	15,000 psi
HHF4-NM8	1/4" HP Female x 1/2" NPT Male	15,000 psi
HHF6-NM4	3/8" HP Female x 1/4" NPT Male	15,000 psi
HHF6-NM6	3/8" HP Female x 3/8" NPT Male	15,000 psi
HHF6-NM8	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

High Pressure x NPT Adapters

NPT Female x High Pressure Male

Part Number	Description	Max Working Pressure
<i>HNF4-HM4</i>	1/4" NPT Female x 1/4" HP Male	15,000 psi
<i>HNF4-HM6</i>	1/4" NPT Female x 3/8" HP Male	15,000 psi
<i>HNF4-HM9</i>	1/4" NPT Female x 9/16" HP Male	15,000 psi
<i>HNF6-HM4</i>	3/8" NPT Female x 1/4" HP Male	15,000 psi
<i>HNF6-HM6</i>	3/8" NPT Female x 3/8" HP Male	15,000 psi
<i>HNF8-HM4</i>	1/2" NPT Female x 1/4" HP Male	15,000 psi
<i>HNF8-HM6</i>	1/2" NPT Female x 3/8" HP Male	15,000 psi
<i>HNF8-HM9</i>	1/2" NPT Female x 9/16" HP Male	15,000 psi



Medium Pressure Fittings

SPIR STAR Medium Pressure fittings and adapters seal with a 60 degree cone and are rated for working pressures up to 20,000 psi. Standard material is 316 stainless steel.

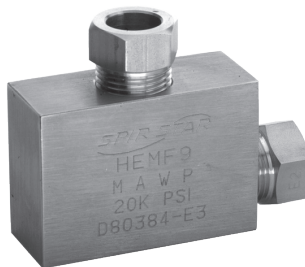
<i>Common Description</i>	<i>Actual Thread Dimension</i>
1/4" Medium Pressure	7/16"-20 Thread on Gland Nut
3/8" Medium Pressure	9/16"-18 Thread on Gland Nut
9/16" Medium Pressure	13/16"-16 Thread on Gland Nut
3/4" Medium Pressure	3/4"-14 Thread on Gland Nut
1" Medium Pressure	1 3/8"-12 Thread on Gland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

Medium Pressure Male Hex Nipples



Part Number	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

Medium Pressure Female Elbows



Part Number	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

Medium Pressure Female Tees

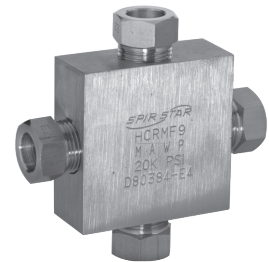


Part Number	Description	Max Working Pressure
HTMF4	1/4" MP Female Tee	20,000 psi
HTMF6	3/8" MP Female Tee	20,000 psi
HTMF9	9/16" MP Female Tee	20,000 psi
HTMF12	3/4" MP Female Tee	20,000 psi
HTMF16	1" MP Female Tee	20,000 psi

Medium Pressure Fittings

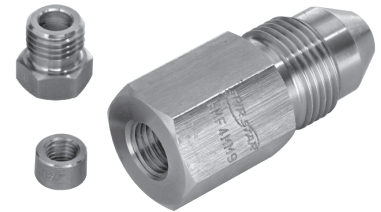
Medium Pressure Female Crosses

Part Number	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



Medium Pressure Female x Medium Pressure Male

Part Number	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



Medium Pressure Slimline Couplers

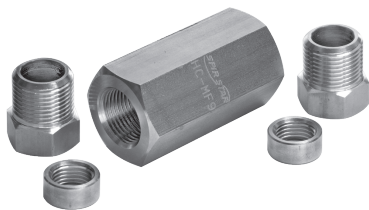
Slimline couplers are designed to be used for high pressure water blasting applications, such as tube bundle cleaning.

Part Number	Description	Max Working Pressure
HCSL-MF4-LL	1/4" MP Female Slimline Coupler Left x Left* 0.375" OD	20,000 psi
HCSL-MF4-LR	1/4" MP Female Slimline Coupler Left x Right* 0.375" OD	20,000 psi
HCSL-MF4-RR	1/4" MP Female Slimline Coupler Right x Right* 0.375" OD	20,000 psi
HCSL-MF6-LL	3/8" MP Female Slimline Coupler Left x Left* 0.499" OD	20,000 psi
HCSL-MF6-LR	3/8" MP Female Slimline Coupler Left x Right* 0.499" OD	20,000 psi
HCSL-MF6-RR	3/8" MP Female Slimline Coupler Right x Right* 0.499" OD	20,000 psi
HCSL-MF9-LL	9/16" MP Female Slimline Coupler Left x Left* 0.687" OD	20,000 psi
HCSL-MF9-LR	9/16" MP Female Slimline Coupler Left x Right* 0.687" OD	20,000 psi
HCSL-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		



Medium Pressure Fittings

Medium Pressure Heavy Duty Couplers



Part Number	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

Also available as bulkhead.

Medium Pressure Tube Nipples



Part Number	Description	Max Working Pressure
HMM6-3.00	3/8" MP Nipple x 3" Long	20,000 psi
HMM9-3.00	9/16" MP Nipple x 3" Long	20,000 psi
HMM9-4.00	9/16" MP Nipple x 4" Long	20,000 psi
HMM9-6.00	9/16" MP Nipple x 6" Long	20,000 psi
HMM9-8.00	9/16" MP Nipple x 8" Long	20,000 psi

Medium Pressure Plugs



Part Number	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

Medium Pressure Fittings

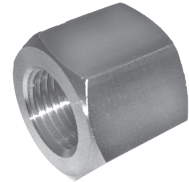
Medium Pressure Gland Nuts & Collars

Part Number	Description	Max Working Pressure
GN-1/4MP	1/4" MP Gland Nut	20,000 psi
GN-3/8MP	3/8" MP Gland Nut	20,000 psi
GN-9/16MP	9/16" MP Gland Nut	20,000 psi
GN-3/4MP	3/4" MP Gland Nut	20,000 psi
GN-1MP	1" MP Gland Nut	20,000 psi
CLR-1/4MP	1/4" MP Collar	20,000 psi
CLR-3/8MP	3/8" MP Collar	20,000 psi
CLR-9/16MP	9/16" MP Collar	20,000 psi
CLR-3/4MP	3/4" MP Collar	20,000 psi
CLR-1MP	1" MP Collar	20,000 psi
* GN-1/4MP-AV	1/4" MP Anti-Vibration Assembly	20,000 psi
* GN-3/8MP-AV	3/8" MP Anti-Vibration Assembly	20,000 psi
* GN-9/16MP-AV	9/16" MP Anti-Vibration Assembly	20,000 psi
* Indicates Anti-Vibration style		



Medium Pressure Caps

Part Number	Description	Max Working Pressure
HMF4-CAP	1/4" MP Female Cap	20,000 psi
HMF6-CAP	3/8" MP Female Cap	20,000 psi
HMF9-CAP	9/16" MP Female Cap	20,000 psi
HMF12-CAP	3/4" MP Female Cap	20,000 psi
HMF16-CAP	1" MP Female Cap	20,000 psi



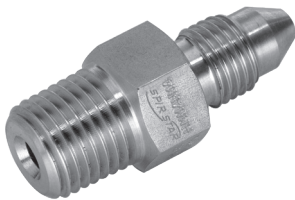
Medium Pressure x NPT Adapters

SPiR STAR Medium Pressure x NPT (National Pipe Taper) fittings and adapters seal with a 60 degree cone Medium pressure connection and a tapered thread NPT connection. They are rated for 15,000 psi. Working pressures may be decreased depending upon the NPT thread size. Standard material is 316 stainless steel.

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

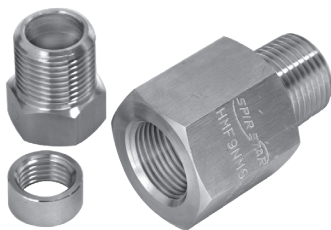
NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi

Medium Pressure Male x NPT Male



Part Number	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
HMM12-NM8	3/4" MP Male x 1/2" NPT Male	15,000 psi
HMM12-NM12	3/4" MP Male x 3/4" NPT Male	10,000 psi
HMM12-NM16	3/4" MP Male x 1" NPT Male	10,000 psi
HMM16-NM8	1" MP Male x 1/2" NPT Male	15,000 psi
HMM16-NM12	1" MP Male x 3/4" NPT Male	10,000 psi
HMM16-NM16	1" MP Male x 1" NPT Male	10,000 psi

Medium Pressure Female x NPT Male



Part Number	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

Medium Pressure x NPT Adapters

NPT Female x Medium Pressure Male

Part Number	Description	Max Working Pressure
<i>HNF2-MM9</i>	1/8" NPT Female x 9/16" MP Male	15,000 psi
<i>HNF4-MM4</i>	1/4" NPT Female x 1/4" MP Male	15,000 psi
<i>HNF4-MM6</i>	1/4" NPT Female x 3/8" MP Male	15,000 psi
<i>HNF4-MM9</i>	1/4" NPT Female x 9/16" MP Male	15,000 psi
<i>HNF6-MM9</i>	3/8" NPT Female x 9/16" MP Male	15,000 psi
<i>HNF8-MM9</i>	1/2" NPT Female x 9/16" MP Male	15,000 psi
<i>HNF8-MM12</i>	1/2" NPT Female x 3/4" MP Male	15,000 psi
<i>HNF8-MM16</i>	1/2" NPT Female x 1" MP Male	15,000 psi
<i>HNF12-MM16</i>	3/4" NPT Female x 1" MP Male	10,000 psi
<i>HNF16-MM16</i>	1" NPT Female x 1" MP Male	10,000 psi

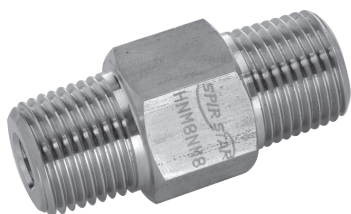


NPT Fittings

NPT (National Pipe Taper) fittings and adapters have working pressures up to 15,000 psi. Working pressures may be decreased depending upon thread size. Standard material is 316 stainless steel.

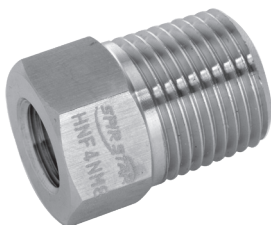
NPT Thread Size	Working Pressure
1/16" - 1/2" NPT	15,000 psi
3/4" - 1" NPT	10,000 psi

NPT Male Hex Nipples



Part Number	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-NM4	3/8" NPT Male x 1/4" NPT Male	15,000 psi
HNM6-NM6	3/8" NPT Male x 3/8" 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
HNM8-NM8	1/2" NPT Male x 1/2" NPT Male	15,000 psi
HNM12-NM8	3/4" NPT Male x 1/2" NPT Male	10,000 psi
HNM12-NM12	3/4" NPT Male x 3/4" 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
HNM16-NM16	1" NPT Male x 1" NPT Male	10,000 psi

NPT Bushings



Part Number	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
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

NPT Female Elbows

Part Number	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



NPT Street Elbows

Part Number	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



NPT Female Tees

Part Number	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



NPT Street Tees

Part Number	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



NPT Fittings

NPT Female Crosses



Part Number	Description	Max Working Pressure
<i>HCRNF4</i>	1/4" NPT Female Cross	15,000 psi
<i>HCRNF6</i>	3/8" NPT Female Cross	15,000 psi
<i>HCRNF8</i>	1/2" NPT Female Cross	15,000 psi
<i>HCRNF12</i>	3/4" NPT Female Cross	10,000 psi
<i>HCRNF16</i>	1" NPT Female Cross	10,000 psi

NPT Slimline Couplers

Slimline couplers are designed to be used for high pressure water blasting applications, such as tube bundle cleaning.



Part Number	Description	Max Working Pressure
<i>HCSL-NF1</i>	1/16" NPT Female Slimline Coupler 0.440" OD	15,000 psi
<i>HCSL-NF2</i>	1/8" NPT Female Slimline Coupler 0.480" OD	15,000 psi
<i>HCSL-NF2-NF1</i>	1/8" NPT Female x 1/16" NPT Female Slimline Coupler 0.480" OD	15,000 psi
<i>HCSL-NF4</i>	1/4" NPT Female Slimline Coupler 0.688" OD	15,000 psi
<i>HCSL-NF6</i>	3/8" NPT Female Slimline Coupler 0.875" OD	15,000 psi
<i>HCSL-NF8</i>	1/2" NPT Female Slimline Coupler 1.125" OD	15,000 psi

NPT Heavy Duty Couplers



Part Number	Description	Max Working Pressure
<i>HC-NF4 HD</i>	1/4" NPT Female Coupler	15,000 psi
<i>HC-NF6 HD</i>	3/8" NPT Female Coupler	15,000 psi
<i>HC-NF6-NF4 HD</i>	3/8" NPT Female x 1/4" NPT Female Coupler	15,000 psi
<i>HC-NF8 HD</i>	1/2" NPT Female Coupler	15,000 psi
<i>HC-NF8-NF4 HD</i>	1/2" NPT Female x 1/4" NPT Female Coupler	15,000 psi
<i>HC-NF8-NF6 HD</i>	1/2" NPT Female x 3/8" NPT Female Coupler	15,000 psi
<i>HC-NF12 HD</i>	3/4" NPT Female Coupler	10,000 psi
<i>HC-NF12-NF8 HD</i>	3/4" NPT Female x 1/2" NPT Female Coupler	10,000 psi
<i>HC-NF16 HD</i>	1" NPT Female Coupler	10,000 psi
<i>HC-NF16-NF12 HD</i>	1" NPT Female x 3/4" NPT Female Coupler	10,000 psi

Also available as bulkhead.

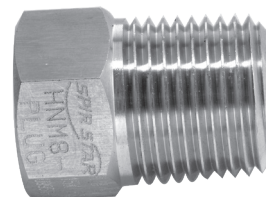
NPT Pipe Nipples

Part Number	Description	Max Working Pressure
<i>HNM4-2.00</i>	1/4" NPT Male Nipple x 2" Long	15,000 psi
<i>HNM4-3.00</i>	1/4" NPT Male Nipple x 3" Long	15,000 psi
<i>HNM4-4.00</i>	1/4" NPT Male Nipple x 4" Long	15,000 psi
<i>HNM4-6.00</i>	1/4" NPT Male Nipple x 6" Long	15,000 psi
<i>HNM6-2.00</i>	3/8" NPT Male Nipple x 2" Long	15,000 psi
<i>HNM6-3.00</i>	3/8" NPT Male Nipple x 3" Long	15,000 psi
<i>HNM6-4.00</i>	3/8" NPT Male Nipple x 4" Long	15,000 psi
<i>HNM6-6.00</i>	3/8" NPT Male Nipple x 6" Long	15,000 psi
<i>HNM8-2.00</i>	1/2" NPT Male Nipple x 2" Long	15,000 psi
<i>HNM8-3.00</i>	1/2" NPT Male Nipple x 3" Long	15,000 psi
<i>HNM8-4.00</i>	1/2" NPT Male Nipple x 4" Long	15,000 psi
<i>HNM8-6.00</i>	1/2" NPT Male Nipple x 6" Long	15,000 psi
<i>HNM12-4.00</i>	3/4" NPT Male Nipple x 4" Long	10,000 psi
<i>HNM12-6.00</i>	3/4" NPT Male Nipple x 6" Long	10,000 psi
<i>HNM16-4.00</i>	1" NPT Male Nipple x 4" Long	10,000 psi
<i>HNM16-6.00</i>	1" NPT Male Nipple x 6" Long	10,000 psi



NPT Plugs

Part Number	Description	Max Working Pressure
<i>HNM1-PLUG</i>	1/16" NPT Male Plug	15,000 psi
<i>HNM2-PLUG</i>	1/8" NPT Male Plug	15,000 psi
<i>HNM4-PLUG</i>	1/4" NPT Male Plug	15,000 psi
<i>HNM6-PLUG</i>	3/8" NPT Male Plug	15,000 psi
<i>HNM8-PLUG</i>	1/2" NPT Male Plug	15,000 psi
<i>HNM12-PLUG</i>	3/4" NPT Male Plug	10,000 psi
<i>HNM16-PLUG</i>	1" NPT Male Plug	10,000 psi

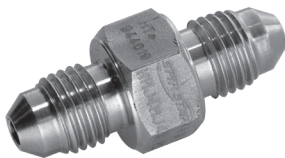


JIC Adapters

SPiR STAR JIC fittings and adapters seal with a 37 degree cone and are rated for working pressures up to 15,000 psi. Standard material is 316 stainless steel.

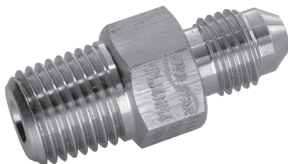
Common Description	Actual Thread Dimension
#4 1/4" JIC	7/16"-20 Thread
#6 3/8" JIC	9/16"-18 Thread
#8 1/2" JIC	3/4"-16 Thread
#12 3/4" JIC	1 1/16"-12 Thread
#16 1" JIC	1 5/16"-12 Thread

JIC Male x JIC Male



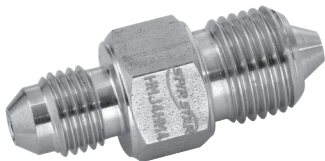
Part Number	Description	Max Working Pressure
HMJ4-MJ4	1/4" JIC Male x 1/4" JIC Male	15,000 psi
HMJ4-MJ6	1/4" JIC Male x 3/8" JIC Male	15,000 psi
HMJ4-MJ8	1/4" JIC Male x 1/2" JIC Male	15,000 psi
HMJ6-MJ6	3/8" JIC Male x 3/8" JIC Male	15,000 psi
HMJ6-MJ8	3/8" JIC Male x 1/2" JIC Male	15,000 psi
HMJ8-MJ8	1/2" JIC Male x 1/2" JIC Male	15,000 psi
HMJ16-MJ16	1" JIC Male x 1" JIC Male	10,000 psi

JIC Male x NPT Male



Part Number	Description	Max Working Pressure
HMJ4-NM4	1/4" JIC Male x 1/4" NPT Male	15,000 psi
HMJ4-NM6	1/4" JIC Male x 3/8" NPT Male	15,000 psi
HMJ4-NM8	1/4" JIC Male x 1/2" NPT Male	15,000 psi
HMJ6-NM4	3/8" JIC Male x 1/4" NPT Male	15,000 psi
HMJ6-NM6	3/8" JIC Male x 3/8" NPT Male	15,000 psi
HMJ6-NM8	3/8" JIC Male x 1/2" NPT Male	15,000 psi
HMJ8-NM4	1/2" JIC Male x 1/4" NPT Male	15,000 psi
HMJ8-NM6	1/2" JIC Male x 3/8" NPT Male	15,000 psi
HMJ8-NM8	1/2" JIC Male x 1/2" NPT Male	15,000 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

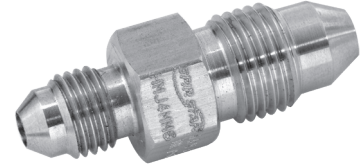
JIC Male x High Pressure Male



Part Number	Description	Max Working Pressure
HMJ4-HM4	1/4" JIC Male x 1/4" HP Male	15,000 psi
HMJ4-HM6	1/4" JIC Male x 3/8" HP Male	15,000 psi
HMJ4-HM9	1/4" JIC Male x 9/16" HP Male	15,000 psi
HMJ6-HM4	3/8" JIC Male x 1/4" HP Male	15,000 psi
HMJ6-HM6	3/8" JIC Male x 3/8" HP Male	15,000 psi
HMJ6-HM9	3/8" JIC Male x 9/16" HP Male	15,000 psi
HMJ8-HM4	1/2" JIC Male x 1/4" HP Male	15,000 psi
HMJ8-HM6	1/2" JIC Male x 3/8" HP Male	15,000 psi
HMJ8-HM9	1/2" JIC Male x 9/16" HP Male	15,000 psi

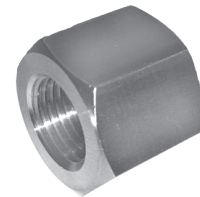
JIC Male x Medium Pressure Male

Part Number	Description	Max Working Pressure
HMJ4-MM4	1/4" JIC Male x 1/4" MP Male	15,000 psi
HMJ4-MM6	1/4" JIC Male x 3/8" MP Male	15,000 psi
HMJ4-MM9	1/4" JIC Male x 9/16" MP Male	15,000 psi
HMJ6-MM4	3/8" JIC Male x 1/4" MP Male	15,000 psi
HMJ6-MM6	3/8" JIC Male x 3/8" MP Male	15,000 psi
HMJ6-MM9	3/8" JIC Male x 9/16" MP Male	15,000 psi
HMJ6-MM12	3/8" JIC Male x 3/4" MP Male	15,000 psi
HMJ8-MM4	1/2" JIC Male x 1/4" MP Male	15,000 psi
HMJ8-MM6	1/2" JIC Male x 3/8" MP Male	15,000 psi
HMJ8-MM9	1/2" JIC Male x 9/16" MP Male	15,000 psi
HMJ8-MM12	1/2" JIC Male x 3/4" MP Male	15,000 psi
HMJ8-MM16	1/2" JIC Male x 1" MP Male	15,000 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



JIC Caps

Part Number	Description	Max Working Pressure
HFJ4-CAP	1/4" JIC Female Cap	15,000 psi
HFJ6-CAP	3/8" JIC Female Cap	15,000 psi
HFJ8-CAP	1/2" JIC Female Cap	15,000 psi
HFJ12-CAP	3/4" JIC Female Cap	10,000 psi
HFJ16-CAP	1" JIC Female Cap	10,000 psi



JIC Plugs

Part Number	Description	Max Working Pressure
HMJ4-PLUG	1/4" JIC Male Plug	15,000 psi
HMJ6-PLUG	3/8" JIC Male Plug	15,000 psi
HMJ8-PLUG	1/2" JIC Male Plug	15,000 psi
HMJ12-PLUG	3/4" JIC Male Plug	10,000 psi
HMJ16-PLUG	1" JIC Male Plug	10,000 psi



Type M Adapters

SPiR STAR Type M fittings and adapters are for use with Type M swivel hose end fittings. These fittings and adapters seal with a 58 degree cone and are rated for working pressures up to 50,000 psi. Standard material is 316 stainless steel.

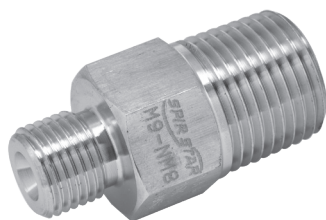
Common Description	Actual Thread Dimension
M9	9/16"-18 Thread
M12	3/4"-16 Thread
M14	7/8"-14 Thread
M16	1"-12 Thread
M18	1 1/8"-12 Thread
M21	1 5/16"-12 Thread

Type M Male x Type M Male



Part Number	Description	Max Working Pressure
M9-M9	9/16"-18 Type M x 9/16"-18 Type M	50,000 psi
M12-M9	3/4"-16 Type M x 9/16"-18 Type M	30,000 psi
M12-M12	3/4"-16 Type M x 3/4"-16 Type M	30,000 psi
M14-M9	7/8"-14 Type M x 9/16"-18 Type M	50,000 psi
M14-M14	7/8"-14 Type M x 7/8"-14 Type M	50,000 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
M16-M16	1"-12 Type M x 1"-12 Type M	30,000 psi
M16-M16-40K	1"-12 Type M x 1"-12 Type M	40,000 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
M18-M18	1 1/8"-12 Type M x 1 1/8"-12 Type M	50,000 psi
M21-M16	1 5/16"-12 Type M x 1"-12 Type M	20,000 psi
M21-M21	1 5/16"-12 Type M x 1 5/16"-12 Type M	20,000 psi

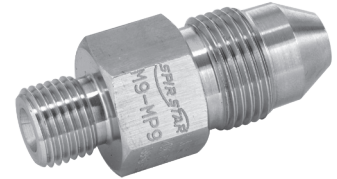
Type M Male x NPT Male



Part Number	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
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

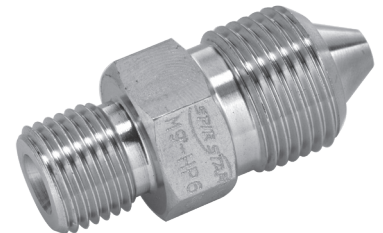
Type M Male x Medium Pressure Male

Part Number	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
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" Type M x 9/16" MP Male	20,000 psi
M21-MP12	1 5/16" Type M x 3/4" MP Male	20,000 psi
M21-MP16	1 5/16" Type M x 1" MP Male	20,000 psi



Type M Male x High Pressure Male

Part Number	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
M14-HP9-40K	7/8"-14 Type M x 9/16" HP Male	40,000 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 1/8"-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



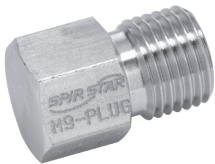
Type M Adapters

Type M Caps



Part Number	Description	Max Working Pressure
<i>M9-CAP</i>	9/16"-18 Type M Cap	50,000 psi
<i>M12-CAP</i>	3/4"-16 Type M Cap	30,000 psi
<i>M16-CAP</i>	1"-12 Type M Cap	30,000 psi
<i>M21-CAP</i>	1 5/16"-12 Type M Cap	20,000 psi

Type M Plugs



Part Number	Description	Max Working Pressure
<i>M9-PLUG</i>	9/16"-18 Type M Plug	50,000 psi
<i>M12-PLUG</i>	3/4"-16 Type M Plug	30,000 psi
<i>M16-PLUG</i>	1"-12 Type M Plug	30,000 psi
<i>M21-PLUG</i>	1 5/16"-12 Type M Plug	20,000 psi

SPIR STAR BSPP fittings and adapters are available with both internal and external sealing cones. Standard material is 316 stainless steel.

Please note that when sealing BSPP adapters with bonded seals rather than on the cone, the working pressure of the fitting may be lower than the working pressure stated on the fitting.

Ext	120 degree external sealing cone
Int	60 degree internal sealing cone

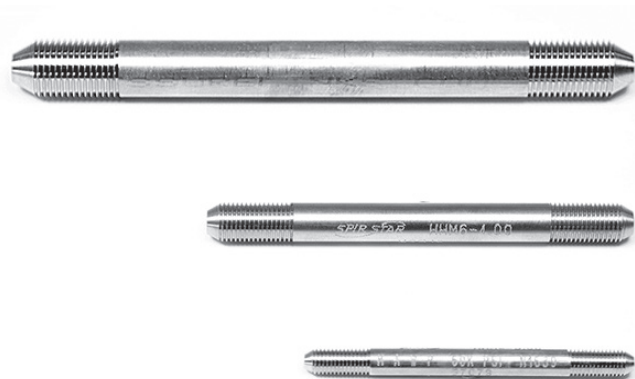
BSPP Adapters



Part Number	Description	Max Working Pressure
HBM4-HM4-EXT	1/4" MBSPP-Ext. x 1/4" HP Male	30,000 psi
HBM4-MM4-EXT	1/4" MBSPP-Ext. x 1/4" MP Male	20,000 psi
M9-BM4-EXT	1/4" MBSPP-Ext. x 9/16"-18 Type M Male	30,000 psi
HBM4-BM4-EXT	1/4" MBSPP-Ext. x 1/4" MBSPP-Ext.	30,000 psi
HBM4-BM4-INTXEXT	1/4" MBSPP-Ext. x 1/4" MBSPP-Int.	30,000 psi
HBM4-BM4-INT	1/4" MBSPP-Int. x 1/4" MBSPP-Int.	30,000 psi
HBM4-NM4-INT	1/4" MBSPP-Int. x 1/4" NPT Male	15,000 psi
HBM4-NM8-INT	1/4" MBSPP-Int. x 1/2" NPT Male	15,000 psi
HBM4-NM4-EXT	1/4" MBSPP-Ext. x 1/4" NPT Male	15,000 psi
HCRFBSP4	1/4" BSPP Female Cross	30,000 psi
HTFBSP4	1/4" BSPP Female Tee	30,000 psi
HBM4-PLUG-EXT	1/4" MBSPP-Ext. Plug	30,000 psi
HBM4-SEAL-14.5K	1/4" BSPP Bonded Seal	14,500 psi
HBM4-SEAL-21K	1/4" BSPP Bonded Seal	21,750 psi

Medium Pressure & High Pressure Tubing

SPIR STAR offers a complete line of stainless steel tubing available in sizes up to one inch outer diameter and up to 100,000 psi working pressure. SPIR STAR provides tubing in custom lengths up to twenty feet long that are coned, threaded and ready for use, as well as bulk tubing that can be cut and have the ends prepared on site. Standard material is 316 stainless steel.



Specifications

- Size ranges from 1/4" OD to 1" OD
- MAWP up to 100,000 psi (6895 bar)

Features

- Stocked in USA for short delivery times
- Tubing can be cut and shipped in shorter lengths upon request

Materials

- Standard - 316 stainless steel
- Other materials available upon request

Part Number	Connection Type	Tube Material	Tube OD in. (mm)	Tube ID in. (mm)	Wall Thickness in. (mm)	Tolerance/OD in. (mm)	Pressure Rating
HMM4-Tubing-20K	MP	316SS/316L	1/4 (6.35)	0.109 / (2.77)	0.070 / (1.78)	0.248/0.243 (6.30/6.17)	20,000 psi
HMM6-Tubing-20K	MP	316SS/316L	3/8 (9.53)	0.203 / (5.16)	0.086 / (2.18)	0.370/0.365 (9.40/9.27)	20,000 psi
HMM9-Tubing-20K	MP	316SS/316L	9/16 (14.29)	0.312 / (7.93)	0.125 / (3.18)	0.557/0.552 (14.15/14.02)	20,000 psi
HMM12-Tubing-20K	MP	316SS/316L	3/4 (19.05)	0.438 / (11.13)	0.156 / (3.96)	0.745/0.740 (18.92/18.80)	20,000 psi
HMM16-Tubing-20K	MP	316SS/316L	1 (25.40)	0.562 / (14.28)	0.219 / (5.56)	0.995/0.990 (25.27/25.14)	20,000 psi
HMM4-Tubing-60K	HP	316SS/636L	1/4 (6.35)	0.083 / (2.11)	0.083 / (2.11)	0.248/0.243 (6.30/6.17)	60,000 psi
HMM6-Tubing-60K	HP	316SS/316L	3/8 (9.53)	0.125 / (3.18)	0.125 / (3.18)	0.370/0.365 (9.40/9.27)	60,000 psi
HMM9-Tubing-60K	HP	316SS/316L	9/16 (14.29)	0.188 / (4.78)	0.187 / (4.75)	0.557/0.552 (14.15/14.02)	60,000 psi

Dimensions, in inches (millimeters), are for reference only and are subject to change