

www.hy-lok.com

Catalog No. H - 300PF
Sep. 2011

Instrument Thread & Weld Fittings

for 1/8" thru 1"



HY-LOK CORPORATION

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Instrument Thread Fittings

Features

1. Precision pipe fittings for instrumentation and process control
2. Fine threads constructed to ensure leak-free & reliable systems
3. Male threads are protected with plastic cap
4. Various materials including SS316, Brass and Carbon steel
5. Many choice of connections and configurations are available

Temperature Ratings

| | |
|--------------|----------------------------------|
| SS316 | -325°F - 1200°F (-198°C - 648°C) |
| Brass | -325°F - 400°F (-198°C - 204°C) |
| Carbon Steel | -20°F - 350°F (-29°C - 176°C) |

▶ PTFE tape applied to male threads limits the maximum temperature to + 450°F (232°C)

Welding Information

Due to coefficients of expansion and contraction fitting material and material to be welded shall be the same.

All socket weld port have a machined taper at the end, which facilitates proper true fit, consistent assembly and alignment.

Standard material

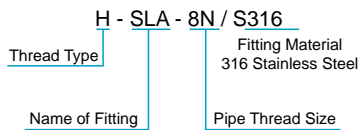
316 stainless steel is the standard material. Fitting made from forgings are manufactured from materials to ASTM A-182 and ASME SA-182 and fittings made from bar stock are manufactured from materials to ASTM A-479 and ASME SA-479.

Pressure ratings

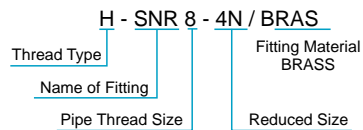
Pressure ratings for Hope weld fittings are in accordance with ANSI B31.3 and safety factor 4:1 is reflected to all working pressure listed.

Part Number Example & How To Order

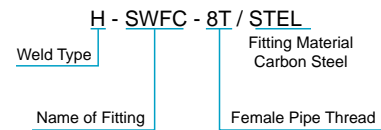
1) All Ports Both Ends Type



2) Reduced Type



3) Union Weld Type



Name of Thread Fittings

| | | |
|------------------------|-------------------------|-------------------------------|
| H - SLA = Elbow | H - SXA = Cross | H - SNA = Hex Nipple |
| H - SLC = Street Elbow | H - SSA = Hex Coupling | H - SNR = Hex Reducing Nipple |
| H - SML = Male Elbow | H - SSR = Red. Coupling | H - SNL = Hex Long Nipple |
| H - STA = Tee | H - SHB = Hex Bushing | H - MFAA = Adapter |
| H - SRT = Run Tee | H - SCA = Pipe Cap | H - MFAC = Reducing Adapter |
| H - SBT = Branch Tee | H - SPB = Pipe Plug | H - SUR = Union Ball Joint |
| H - SMT = Male Tee | H - SBE = Close Nipple | H - P = ISO Parallel Gasket |

Name of Weld Fittings

| | |
|----------------------------|--|
| H - SWFC = Union | H - SLD = Female Elbow |
| H - SWLA = Union Elbow | H - SWRM = Pipe Weld to Tube Socket Weld |
| H - SWTA = Union Tee | H - SWRM = Tube Weld to Tube Socket Weld |
| H - SWXA = Union Cross | |
| H - SSD = Male Connector | |
| H - SSB = Female Connector | |
| H - SLG = Male Elbow | |

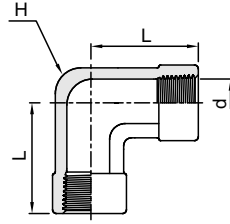
Pipe Thread Symbol

| Nom. Pipe Size | Symbol | ANSI Pipe Thread (NPT) | BSP / ISO Thread | |
|----------------|--------|------------------------|------------------|-----------------|
| | | | Tapered(7/1) | Parallel(228/1) |
| 1/8 | 2 | 2N | 2R | 2G |
| 1/4 | 4 | 4N | 4R | 4G |
| 3/8 | 6 | 6N | 6R | 6G |
| 1/2 | 8 | 8N | 8R | 8G |
| 3/4 | 12 | 12N | 12R | 12G |
| 1 | 16 | 16N | 16R | 16G |

Tube & Pipe Symbol

| Nom. Tube Size | Symbol | Nom. Pipe Size | Symbol |
|----------------|--------|----------------|--------|
| 1/8 | 2T | 1/8 | 2P |
| 1/4 | 4T | 1/4 | 4P |
| 3/8 | 6T | 3/8 | 6P |
| 1/2 | 8T | 1/2 | 8P |
| 3/4 | 12T | 3/4 | 12P |
| 1 | 16T | 1 | 16P |

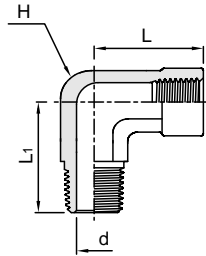
Elbow H-SLA



Female NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SLA - 2N | 1/8 | 24.0 | 8.9 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - SLA - 4N | 1/4 | 29.0 | 11.7 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - SLA - 6N | 3/8 | 34.5 | 15.0 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SLA - 8N | 1/2 | 37.0 | 18.7 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SLA - 12N | 3/4 | 46.5 | 23.5 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SLA - 16N | 1 | 48.8 | 29.7 | 42.9 | 4,400 | 303 | 2,200 | 151 |

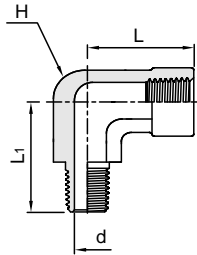
Street Elbow H-SLC



Female to Male NPT.

| Part No. | Pipe Size | L | L ₁ | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|----------------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SLC - 2N | 1/8 | 24.1 | 19.6 | 4.8 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - SLC - 4N | 1/4 | 29.0 | 26.5 | 7.1 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - SLC - 6N | 3/8 | 34.5 | 28.2 | 9.6 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SLC - 8N | 1/2 | 37.0 | 35.3 | 11.9 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SLC - 12N | 3/4 | 46.5 | 39.6 | 15.7 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SLC - 16N | 1 | 48.8 | 49.2 | 22.3 | 42.9 | 4,400 | 303 | 2,200 | 151 |

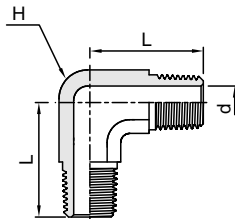
Reducing Street Elbow H-SLCR



Female to Male NPT.

| Part No. | Pipe Size | Male Pipe Size | L | L ₁ | d | H Width Across Flat | Pressure Rating | | | |
|-----------------|-----------|----------------|------|----------------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | | psig | bar | psig | bar |
| H - SLCR 4 - 2N | 1/4 | 1/8 | 29.0 | 22.4 | 4.8 | 17.5 | 6,500 | 447 | 3,200 | 220 |
| H - SLCR 6 - 4N | 3/8 | 1/4 | 34.5 | 28.2 | 7.1 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SLCR 8 - 4N | 1/2 | 1/4 | 37.0 | 30.5 | 7.1 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SLCR 8 - 6N | 1/2 | 3/8 | 37.0 | 30.5 | 9.6 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SLCR12 - 8N | 3/4 | 1/2 | 46.5 | 39.6 | 11.9 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SLCR16 - 8N | 1 | 1/2 | 48.8 | 44.5 | 11.9 | 42.9 | 4,400 | 303 | 2,200 | 151 |

Male Elbow H-SML



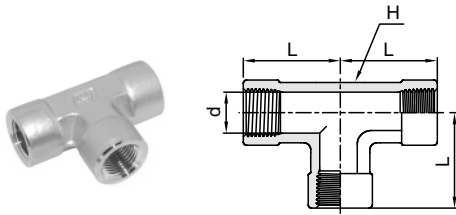
Male NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|-------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SML - 2N | 1/8 | 19.05 | 4.8 | 12.7 | 10,000 | 689 | 5,000 | 344 |
| H - SML - 4N | 1/4 | 24.50 | 7.1 | 12.7 | 8,000 | 551 | 4,000 | 275 |
| H - SML - 6N | 3/8 | 26.90 | 9.6 | 17.5 | 7,800 | 537 | 3,900 | 268 |
| H - SML - 8N | 1/2 | 33.20 | 11.9 | 20.6 | 7,700 | 530 | 3,800 | 261 |
| H - SML - 12N | 3/4 | 35.30 | 15.7 | 25.4 | 7,300 | 502 | 3,600 | 248 |
| H - SML - 16N | 1 | 44.50 | 22.3 | 31.8 | 5,300 | 365 | 2,600 | 179 |

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Instrument Thread Fittings

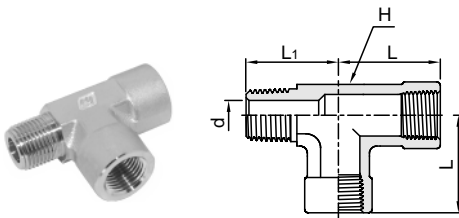
Tee H-STA



Female NPT all ports.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - STA - 2N | 1/8 | 24.0 | 8.9 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - STA - 4N | 1/4 | 29.0 | 11.7 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - STA - 6N | 3/8 | 34.5 | 15.0 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - STA - 8N | 1/2 | 37.0 | 18.7 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - STA - 12N | 3/4 | 46.5 | 23.5 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - STA - 16N | 1 | 48.8 | 29.7 | 42.9 | 4,400 | 303 | 2,200 | 151 |

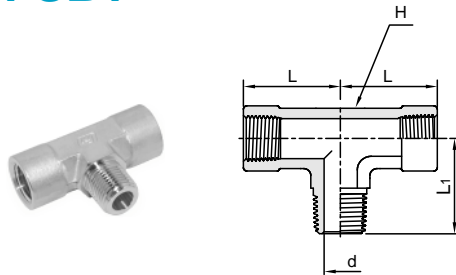
Run Tee H-SRT



Female to Male to Female NPT.

| Part No. | Pipe Size | L | L ₁ | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|----------------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SRT - 2N | 1/8 | 24.0 | 19.6 | 4.8 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - SRT - 4N | 1/4 | 29.0 | 26.5 | 7.1 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - SRT - 6N | 3/8 | 34.5 | 28.2 | 9.6 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SRT - 8N | 1/2 | 37.0 | 35.3 | 11.9 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SRT - 12N | 3/4 | 46.5 | 39.6 | 15.7 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SRT - 16N | 1 | 48.8 | 49.2 | 22.3 | 42.9 | 4,400 | 303 | 2,200 | 151 |

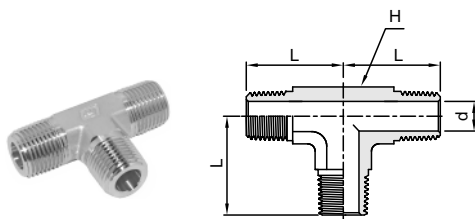
Branch Tee H-SBT



Female to Female to Male NPT.

| Part No. | Pipe Size | L | L ₁ | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|----------------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SBT - 2N | 1/8 | 24.0 | 19.6 | 4.8 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - SBT - 4N | 1/4 | 29.0 | 26.5 | 7.1 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - SBT - 6N | 3/8 | 34.5 | 28.2 | 9.6 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SBT - 8N | 1/2 | 37.0 | 35.3 | 11.9 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SBT - 12N | 3/4 | 46.5 | 39.6 | 15.7 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SBT - 16N | 1 | 48.8 | 49.2 | 22.3 | 42.9 | 4,400 | 303 | 2,200 | 151 |

Male Tee H-SMT

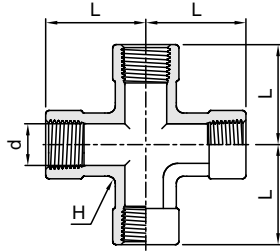


Male NPT all ports.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|-------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SMT - 2N | 1/8 | 19.05 | 4.8 | 12.7 | 10,000 | 689 | 5,000 | 344 |
| H - SMT - 4N | 1/4 | 24.50 | 7.1 | 12.7 | 8,000 | 551 | 4,000 | 275 |
| H - SMT - 6N | 3/8 | 26.90 | 9.6 | 17.5 | 7,800 | 537 | 3,900 | 268 |
| H - SMT - 8N | 1/2 | 33.20 | 11.9 | 20.6 | 7,700 | 530 | 3,800 | 261 |
| H - SMT - 12N | 3/4 | 35.30 | 15.7 | 25.4 | 7,300 | 502 | 3,600 | 248 |
| H - SMT - 16N | 1 | 44.50 | 22.3 | 31.8 | 5,300 | 365 | 2,600 | 179 |

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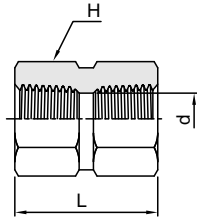
Cross H-SXA



Female NPT all ports.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|------------------------------|-----------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SXA - 2N | 1/8 | 24.0 | 8.9 | 12.7 | 6,500 | 447 | 3,200 | 220 |
| H - SXA - 4N | 1/4 | 29.0 | 11.7 | 17.5 | 6,600 | 454 | 3,300 | 227 |
| H - SXA - 6N | 3/8 | 34.5 | 15.0 | 20.6 | 5,300 | 365 | 2,600 | 179 |
| H - SXA - 8N | 1/2 | 37.0 | 18.7 | 25.4 | 4,900 | 337 | 2,400 | 165 |
| H - SXA - 12N | 3/4 | 46.5 | 23.5 | 31.8 | 4,600 | 316 | 2,300 | 158 |
| H - SXA - 16N | 1 | 48.8 | 29.7 | 42.9 | 4,400 | 303 | 2,200 | 151 |

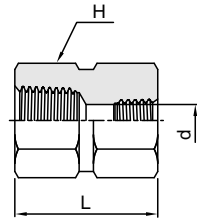
Hex Coupling H-SSA



Female NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|------------------------------|-----------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SSA - 2N | 1/8 | 20.3 | 8.9 | 14.20 | 6,500 | 447 | 3,200 | 220 |
| H - SSA - 4N | 1/4 | 30.0 | 11.7 | 19.05 | 6,600 | 454 | 3,300 | 227 |
| H - SSA - 6N | 3/8 | 33.0 | 15.0 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - SSA - 8N | 1/2 | 39.4 | 18.7 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - SSA - 12N | 3/4 | 41.0 | 23.5 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - SSA - 16N | 1 | 50.5 | 29.7 | 41.20 | 4,400 | 303 | 2,200 | 151 |

Hex Reducing Coupling H-SSR



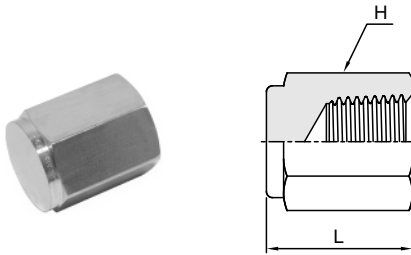
Female NPT to Reduced Female NPT.

| Part No. | Pipe Size | Reduced Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|-----------------|-----------|----------------------|------|------|------------------------------|-----------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SSR 4 - 2N | 1/4 | 1/8 | 31.2 | 8.9 | 19.05 | 6,500 | 447 | 3,200 | 220 |
| H - SSR 6 - 4N | 3/8 | 1/4 | 34.8 | 11.7 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - SSR 8 - 2N | 1/2 | 1/8 | 39.4 | 8.9 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - SSR 8 - 4N | 1/2 | 1/4 | 44.2 | 11.7 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - SSR 8 - 6N | 1/2 | 3/8 | 45.0 | 15.0 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - SSR12 - 4N | 3/4 | 1/4 | 45.7 | 11.7 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - SSR12 - 8N | 3/4 | 1/2 | 52.0 | 18.7 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - SSR16 - 4N | 1 | 1/4 | 50.8 | 11.7 | 41.20 | 4,600 | 316 | 2,300 | 158 |
| H - SSR16 - 8N | 1 | 1/2 | 55.4 | 18.7 | 41.20 | 4,400 | 303 | 2,200 | 151 |
| H - SSR16 - 12N | 1 | 3/4 | 57.0 | 23.5 | 41.20 | 4,400 | 303 | 2,200 | 151 |

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Instrument Thread Fittings

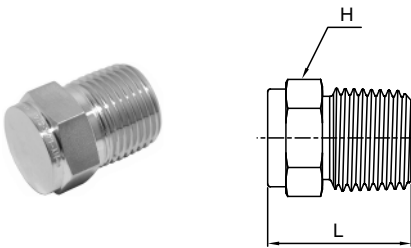
Pipe Cap H-SCA



Female NPT.

| Part No. | Pipe Size | L | H Width Across Flat |
|---------------|-----------|------|------------------------|
| H - SCA - 2N | 1/8 | 19.1 | 14.20 |
| H - SCA - 4N | 1/4 | 22.9 | 19.05 |
| H - SCA - 6N | 3/8 | 26.2 | 22.20 |
| H - SCA - 8N | 1/2 | 34.0 | 26.90 |
| H - SCA - 12N | 3/4 | 36.6 | 31.80 |
| H - SCA - 16N | 1 | 41.1 | 41.20 |

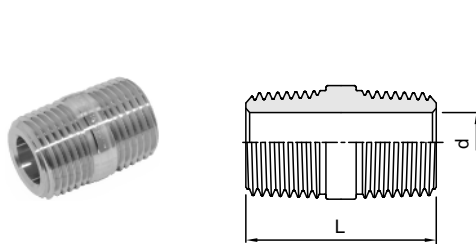
Pipe Plug H-SPB



Male NPT.

| Part No. | Pipe Size | L | H Width Across Flat |
|---------------|-----------|-------|------------------------|
| H - SPB - 2N | 1/8 | 19.05 | 11.1 |
| H - SPB - 4N | 1/4 | 24.40 | 14.2 |
| H - SPB - 6N | 3/8 | 25.10 | 17.4 |
| H - SPB - 8N | 1/2 | 30.70 | 22.2 |
| H - SPB - 12N | 3/4 | 30.70 | 26.9 |
| H - SPB - 16N | 1 | 38.10 | 34.9 |

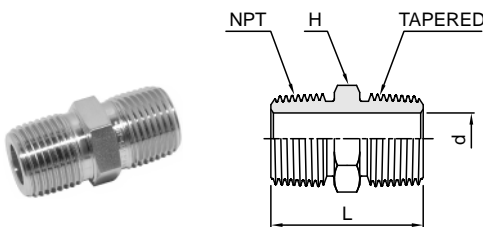
Close Nipple H-SBE



Male NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|-------|------|------------------------------|-----------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SBE - 2N | 1/8 | 19.05 | 4.8 | 4.8 | 10,000 | 689 | 5,000 | 344 |
| H - SBE - 4N | 1/4 | 28.40 | 7.1 | 7.1 | 8,000 | 551 | 4,000 | 275 |
| H - SBE - 6N | 3/8 | 28.40 | 9.6 | 9.6 | 7,800 | 537 | 3,900 | 268 |
| H - SBE - 8N | 1/2 | 31.70 | 11.9 | 11.9 | 7,700 | 530 | 3,800 | 261 |
| H - SBE - 12N | 3/4 | 31.70 | 15.7 | 15.7 | 7,300 | 502 | 3,600 | 248 |
| H - SBE - 16N | 1 | 47.80 | 22.3 | 22.4 | 5,300 | 365 | 2,600 | 179 |

Hex Nipple H-SNA

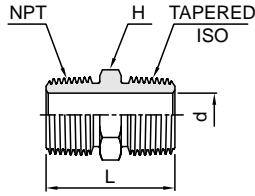


Male NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|------------------------------|-----------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SNA - 2N | 1/8 | 25.4 | 4.8 | 11.1 | 10,000 | 689 | 5,000 | 344 |
| H - SNA - 4N | 1/4 | 35.3 | 7.1 | 14.2 | 8,000 | 551 | 4,000 | 275 |
| H - SNA - 6N | 3/8 | 36.1 | 9.6 | 17.4 | 7,800 | 537 | 3,900 | 268 |
| H - SNA - 8N | 1/2 | 46.7 | 11.9 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNA - 12N | 3/4 | 46.7 | 15.7 | 26.9 | 7,300 | 502 | 3,600 | 248 |
| H - SNA - 16N | 1 | 58.7 | 22.3 | 34.9 | 5,300 | 365 | 2,600 | 179 |

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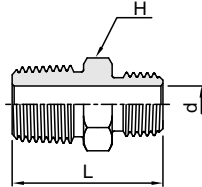
Hex Nipple H-SNA



Male NPT to ISO Tapered.

| Part No. | NPT Thread Size | BSP/ISO Thread Size | L | d | H Width Across Flat | Pressure Rating | | | |
|----------------|-----------------|---------------------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SNA - 2NR | 1/8 | 1/8-28 7/1 | 24.6 | 4.1 | 11.1 | 10,000 | 689 | 5,000 | 344 |
| H - SNA - 4NR | 1/4 | 1/4-19 7/1 | 35.6 | 6.4 | 14.2 | 8,000 | 551 | 4,000 | 275 |
| H - SNA - 6NR | 3/8 | 3/8-19 7/1 | 36.3 | 9.7 | 17.4 | 7,800 | 537 | 3,900 | 268 |
| H - SNA - 8NR | 1/2 | 1/2-14 7/1 | 46.0 | 11.9 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNA - 12NR | 3/4 | 3/4-14 7/1 | 46.7 | 15.7 | 26.9 | 7,300 | 502 | 3,600 | 248 |
| H - SNA - 16NR | 1 | 1-11 7/1 | 58.9 | 22.4 | 34.9 | 5,300 | 365 | 2,600 | 179 |

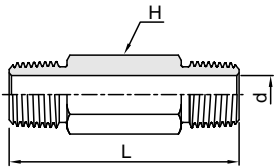
Hex Reducing Nipple H-SNR



Male NPT to Reduced Male NPT.

| Part No. | Pipe Size | Reduced Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|-----------------|-----------|-------------------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SNR 4 - 2N | 1/4 | 1/8 | 30.7 | 4.8 | 14.2 | 8,000 | 551 | 4,000 | 275 |
| H - SNR 6 - 2N | 3/8 | 1/8 | 32.0 | 4.8 | 17.4 | 7,800 | 537 | 3,900 | 268 |
| H - SNR 6 - 4N | 3/8 | 1/4 | 36.1 | 7.1 | 17.4 | 7,800 | 537 | 3,900 | 268 |
| H - SNR 8 - 2N | 1/2 | 1/8 | 37.2 | 4.8 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNR 8 - 4N | 1/2 | 1/4 | 41.7 | 7.1 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNR 8 - 6N | 1/2 | 3/8 | 41.7 | 9.6 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNR 12 - 4N | 3/4 | 1/4 | 41.7 | 7.1 | 26.9 | 7,300 | 502 | 3,600 | 248 |
| H - SNR 12 - 8N | 3/4 | 1/2 | 46.7 | 11.9 | 26.9 | 7,300 | 502 | 3,600 | 248 |
| H - SNR 16 - 4N | 1 | 1/4 | 49.3 | 7.1 | 34.9 | 5,300 | 365 | 2,600 | 179 |
| H - SNR 16 - 8N | 1 | 1/2 | 54.1 | 11.9 | 34.9 | 5,300 | 365 | 2,600 | 179 |

Hex Long Nipple H-SNL



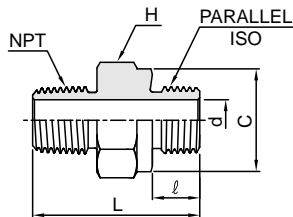
Male NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|---------------|-----------|---|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - SNL - 2N | 1/8 | * | 4.8 | 11.1 | 10,000 | 689 | 5,000 | 344 |
| H - SNL - 4N | 1/4 | * | 7.1 | 14.2 | 8,000 | 551 | 4,000 | 275 |
| H - SNL - 6N | 3/8 | * | 9.7 | 17.4 | 7,800 | 537 | 3,900 | 268 |
| H - SNL - 8N | 1/2 | * | 11.9 | 22.2 | 7,700 | 530 | 3,800 | 261 |
| H - SNL - 12N | 3/4 | * | 15.7 | 26.9 | 7,300 | 502 | 3,600 | 248 |
| H - SNL - 16N | 1 | * | 22.4 | 34.9 | 5,300 | 365 | 2,600 | 179 |

* Specified length to be shown as last designator in part number.

Example : H - SNL - 4N L 51(51mm = 2" Length)

Hex Nipple H-SNA



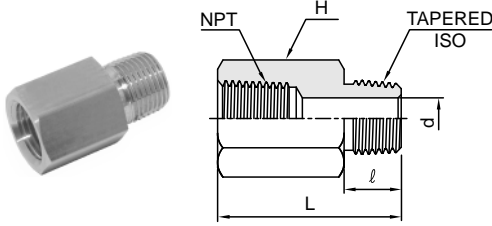
Male NPT to Male ISO Parallel

| Part No. | NPT Thread Size | BSP/ISO Thread Size | L | l | C | d | H Hex | Pressure Rating | | | |
|----------------|-----------------|---------------------|------|------|------|------|-------|--------------------|-----|-------|-----|
| | | | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | | | psig | bar | psig | bar |
| H - SNA - 2NG | 1/8 | 1/8-28 228/1 | 27.4 | 7.1 | 13.7 | 4.1 | 14.20 | 10,000 | 689 | 5,000 | 344 |
| H - SNA - 4NG | 1/4 | 1/4-19 228/1 | 36.8 | 11.2 | 17.8 | 5.8 | 19.05 | 8,000 | 551 | 4,000 | 275 |
| H - SNA - 6NG | 3/8 | 3/8-19 228/1 | 37.6 | 11.2 | 21.8 | 7.9 | 22.20 | 7,800 | 537 | 3,900 | 268 |
| H - SNA - 8NG | 1/2 | 1/2-14 228/1 | 45.0 | 14.2 | 26.1 | 11.9 | 26.90 | 7,700 | 530 | 3,800 | 261 |
| H - SNA - 12NG | 3/4 | 3/4-14 228/1 | 49.0 | 15.7 | 31.5 | 15.7 | 33.30 | 7,300 | 502 | 3,600 | 248 |
| H - SNA - 16NG | 1 | 1-11 228/1 | 56.9 | 18.3 | 38.9 | 19.8 | 41.00 | 5,300 | 365 | 2,600 | 179 |

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.

Instrument Thread Fittings

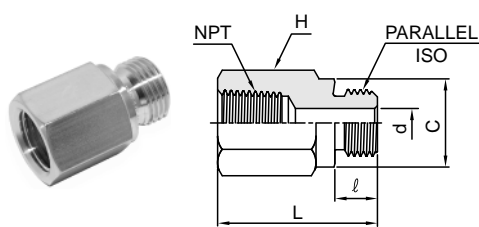
Adapter H-MFAA



Female NPT to Male ISO Tapered.

| Part No. | NPT Thread Size | BSP/ISO Thread Size | L | ℓ | d | H Width Across Flat | Pressure Rating | | | |
|-----------------|-----------------|---------------------|------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | | psig | bar | psig | bar |
| H - MFAA - 2RN | 1/8 | 1/8-28 7/1 | 27.4 | 9.7 | 4.8 | 14.20 | 6,500 | 447 | 3,200 | 220 |
| H - MFAA - 4RN | 1/4 | 1/4-19 7/1 | 35.8 | 14.2 | 7.1 | 19.05 | 6,600 | 454 | 3,300 | 227 |
| H - MFAA - 6RN | 3/8 | 3/8-19 7/1 | 37.6 | 14.2 | 9.7 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - MFAA - 8RN | 1/2 | 1/2-14 7/1 | 49.0 | 19.1 | 11.9 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAA - 12RN | 3/4 | 3/4-14 7/1 | 50.3 | 19.1 | 15.7 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - MFAA - 16RN | 1 | 1-11 7/1 | 58.0 | 23.9 | 22.3 | 41.20 | 4,400 | 303 | 2,200 | 151 |

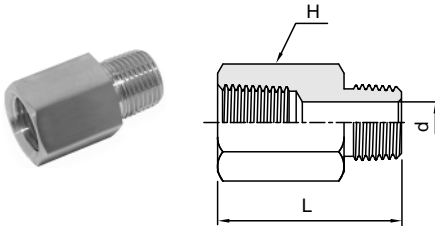
Adapter H-MFAB



Female NPT Male ISO Parallel

| Part No. | NPT Thread Size | BSP/ISO Thread Size | L | ℓ | C | d | H Width Across Flat | Pressure Rating | | | |
|-----------------|-----------------|---------------------|------|------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | | | psig | bar | psig | bar |
| H - MFAB - 2GN | 1/8 | 1/8-28 228/1 | 24.9 | 7.1 | 13.7 | 4.1 | 14.20 | 6,500 | 447 | 3,200 | 220 |
| H - MFAB - 4GN | 1/4 | 1/4-19 228/1 | 33.3 | 11.2 | 17.8 | 5.8 | 19.05 | 6,600 | 454 | 3,300 | 227 |
| H - MFAB - 6GN | 3/8 | 3/8-19 228/1 | 37.8 | 11.2 | 21.8 | 7.9 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - MFAB - 8GN | 1/2 | 1/2-14 228/1 | 43.9 | 14.2 | 26.1 | 11.9 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAB - 12GN | 3/4 | 3/4-14 228/1 | 50.8 | 15.7 | 31.5 | 15.7 | 33.30 | 4,600 | 316 | 2,300 | 158 |
| H - MFAB - 16GN | 1 | 1-11 228/1 | 53.1 | 18.3 | 38.9 | 19.8 | 41.20 | 4,400 | 303 | 2,200 | 151 |

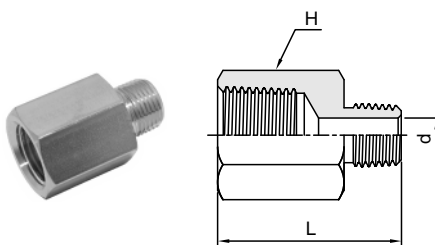
Adapter H-MFAA



Female NPT to Same Size Male NPT.

| Part No. | Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|----------------|-----------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | psig | bar | psig | bar |
| H - MFAA - 2N | 1/8 | 27.4 | 4.8 | 14.20 | 6,500 | 447 | 3,200 | 220 |
| H - MFAA - 4N | 1/4 | 35.6 | 7.1 | 19.05 | 6,600 | 454 | 3,300 | 227 |
| H - MFAA - 6N | 3/8 | 37.8 | 9.6 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - MFAA - 8N | 1/2 | 49.0 | 11.9 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAA - 12N | 3/4 | 50.3 | 15.7 | 31.70 | 4,600 | 316 | 2,300 | 158 |
| H - MFAA - 16N | 1 | 58.0 | 22.3 | 41.20 | 4,400 | 303 | 2,200 | 151 |

Reducing Adapter H-MFAC

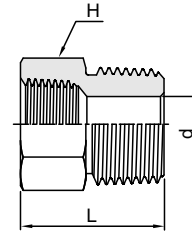


Female NPT to Reduced Male NPT.

| Part No. | Female Pipe Size | Male Pipe Size | L | d | H Width Across Flat | Pressure Rating | | | |
|-------------------|------------------|----------------|------|------|---------------------|--------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - MFAC 2 - 4N | 1/4 | 1/8 | 31.5 | 4.8 | 19.05 | 6,600 | 454 | 3,300 | 227 |
| H - MFAC 2 - 6N | 3/8 | 1/8 | 33.5 | 4.8 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - MFAC 4 - 6N | 3/8 | 1/4 | 37.8 | 7.1 | 22.20 | 5,300 | 365 | 2,600 | 179 |
| H - MFAC 2 - 8N | 1/2 | 1/8 | 40.0 | 4.8 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAC 4 - 8N | 1/2 | 1/4 | 44.5 | 7.1 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAC 6 - 8N | 1/2 | 3/8 | 44.5 | 9.6 | 26.90 | 4,900 | 337 | 2,400 | 165 |
| H - MFAC 4 - 12N | 3/4 | 1/4 | 45.7 | 7.1 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - MFAC 6 - 12N | 3/4 | 3/8 | 45.7 | 9.6 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - MFAC 8 - 12N | 3/4 | 1/2 | 51.1 | 11.9 | 31.80 | 4,600 | 316 | 2,300 | 158 |
| H - MFAC 4 - 16N | 1 | 1/4 | 50.8 | 7.1 | 41.20 | 4,400 | 303 | 2,200 | 151 |
| H - MFAC 8 - 16N | 1 | 1/2 | 55.3 | 11.9 | 41.20 | 4,400 | 303 | 2,200 | 151 |
| H - MFAC 16 - 16N | 1 | 1 | 54.9 | 15.7 | 41.20 | 4,400 | 303 | 2,200 | 151 |

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.

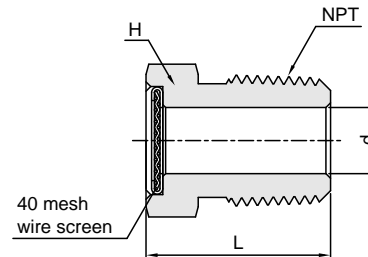
Hex Bushing H-SHB



Male NPT to Reduced Female NPT.

| Part No. | Male Pipe Size | Female Pipe Size | L | d | H Width Across Flat | Working Pressure (PSIG) | | | Pressure Rating | | | |
|--------------|----------------|------------------|------|------|---------------------|-------------------------|-------|--------------|--------------------|-----|-------|-----|
| | | | | | | 316SS | Brass | Carbon Steel | SS316 Carbon Steel | | Brass | |
| | | | | | | | | | psig | bar | psig | bar |
| H-SHB 4-2N | 1/4 | 1/8 | 26.7 | 7.1 | 14.20 | 5600 | 3100 | 6200 | 6,500 | 447 | 3,200 | 220 |
| H-SHB 6-2N | 3/8 | 1/8 | 21.8 | 8.5 | 17.40 | | | | 6,500 | 447 | 3,200 | 220 |
| H-SHB 6-4N | 3/8 | 1/4 | 30.0 | 9.6 | 19.05 | 5200 | 3100 | 6200 | 6,600 | 454 | 3,300 | 227 |
| H-SHB 8-2N | 1/2 | 1/8 | 27.4 | 8.5 | 22.20 | - | - | - | 6,500 | 447 | 3,200 | 220 |
| H-SHB 8-4N | 1/2 | 1/4 | 27.4 | 11.7 | 22.20 | 5800 | 3100 | 6200 | 6,600 | 454 | 3,300 | 227 |
| H-SHB 8-6N | 1/2 | 3/8 | 35.6 | 11.9 | 22.20 | 4400 | 2500 | 5100 | 5,300 | 365 | 2,600 | 179 |
| H-SHB 12-4N | 3/4 | 1/4 | 27.4 | 11.4 | 26.90 | - | - | - | 6,600 | 454 | 3,300 | 227 |
| H-SHB 12-6N | 3/4 | 3/8 | 27.4 | 15.0 | 26.90 | - | - | - | 5,300 | 365 | 2,600 | 179 |
| H-SHB 12-8N | 3/4 | 1/2 | 41.4 | 15.7 | 26.90 | - | - | - | 4,900 | 337 | 2,400 | 165 |
| H-SHB 16-4N | 1 | 1/4 | 34.8 | 11.4 | 34.90 | - | - | - | 6,600 | 454 | 3,300 | 227 |
| H-SHB 16-8N | 1 | 1/2 | 34.8 | 18.5 | 34.90 | - | - | - | 4,900 | 337 | 2,400 | 165 |
| H-SHB 16-12N | 1 | 3/4 | 47.0 | 22.4 | 34.90 | - | - | - | 4,600 | 316 | 2,300 | 158 |

Vent Protector H-SBS



Male NPT

| Part No. | Pipe Size | L | d | H Width Across Flat |
|-----------|-----------|------|------|---------------------|
| H-SBS-4N | 1/4 | 19.8 | 7.1 | 14.2 |
| H-SBS-6N | 3/8 | 20.6 | 10.4 | 17.4 |
| H-SBS-8N | 1/2 | 26.2 | 12.7 | 22.2 |
| H-SBS-12N | 3/4 | 26.9 | 18.3 | 26.9 |

Hy-Lok vent protectors, more commonly known as mud dauber fittings, protect open ends of instruments, tubing, outlet vents, and bleed-off lines

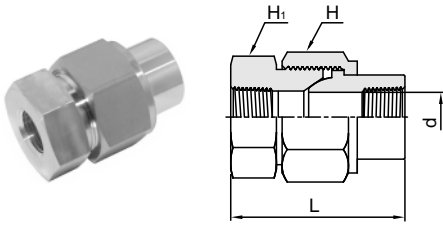
The mesh wire screen prevents foreign objects, such as mud dauber insects, from entering and clogging various systems and causing damage.

Vent protectors are available in stainless steel and brass.

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.

Instrument Thread Fittings

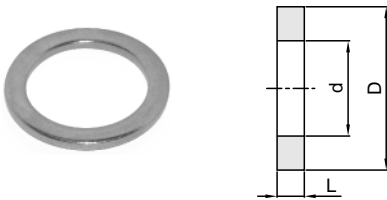
Union Ball Joint H-SUR



Female NPT Both Ends.

| Part No. | Pipe Size | L | d | H Width Across Flat | H ₁ Width Across Flat | Pressure Rating | | | |
|---------------|-----------|------|------|------------------------------|---|-----------------------|-----|-------|-----|
| | | | | | | SS316 Carbon Steel | | Brass | |
| | | | | | | psig | bar | psig | bar |
| H - SUR - 2N | 1/8 | 45.7 | 6.9 | 28.6 | 23.8 | 6,500 | 447 | 3,200 | 220 |
| H - SUR - 4N | 1/4 | 59.4 | 9.1 | 34.9 | 30.2 | 6,600 | 454 | 3,300 | 227 |
| H - SUR - 6N | 3/8 | 63.5 | 13.2 | 38.1 | 33.3 | 5,300 | 365 | 2,600 | 179 |
| H - SUR - 8N | 1/2 | 68.6 | 15.7 | 44.5 | 41.3 | 4,900 | 337 | 2,400 | 165 |
| H - SUR - 12N | 3/4 | 79.2 | 22.4 | 50.8 | 47.6 | 4,600 | 316 | 2,300 | 158 |
| H - SUR - 16N | 1 | 90.4 | 26.2 | 63.5 | 60.3 | 4,400 | 303 | 2,200 | 151 |

ISO Parallel Gasket W-P



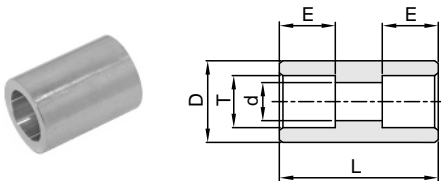
| Part No. | Pipe Size | L | D | d |
|----------------------|-----------|-----|------|------|
| W - P16.0 D10.2 T2.0 | 1/8 | 2.0 | 16.0 | 10.0 |
| W - P19.5 D13.4 T2.0 | 1/4 | 2.0 | 19.5 | 14.0 |
| W - P24.0 D17.0 T2.0 | 3/8 | 2.0 | 24.0 | 17.0 |
| W - P29.0 D21.2 T2.0 | 1/2 | 2.0 | 29.0 | 22.0 |
| W - P34.5 D27.2 T2.0 | 3/4 | 2.0 | 34.5 | 27.0 |
| W - P42.0 D34.0 T2.0 | 1 | 2.0 | 42.0 | 34.0 |

Used to provide a seal with ISO parallel thread. (Material is Copper only)

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.

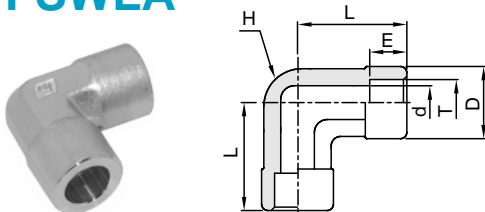
Instrument Weld Fittings

Union H-SWFC



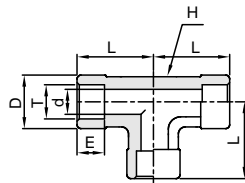
| Part No. | T Tube O.D. | L | D | d | E | Working Pressure SS316 | |
|----------------|-------------------|------|------|------|------|---------------------------|-----|
| | | | | | | psig | bar |
| H - SWFC - 4T | 1/4 | 19.1 | 13.0 | 4.6 | 7.1 | 10,000 | 689 |
| H - SWFC - 6T | 3/8 | 22.4 | 15.8 | 7.1 | 7.9 | 7,600 | 523 |
| H - SWFC - 8T | 1/2 | 26.9 | 19.0 | 10.2 | 9.7 | 6,200 | 427 |
| H - SWFC - 10T | 5/8 | 30.2 | 24.0 | 12.7 | 10.4 | 6,400 | 440 |
| H - SWFC - 12T | 3/4 | 33.3 | 26.9 | 15.7 | 11.2 | 5,500 | 378 |
| H - SWFC - 16T | 1 | 36.6 | 35.0 | 22.1 | 15.7 | 5,200 | 358 |

Union Elbow H-SWLA



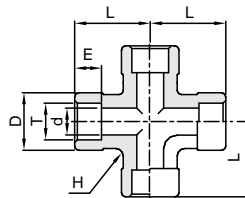
| Part No. | T Tube O.D. | L | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|----------------|-------------------|------|------|------|------|------------------------------|---------------------------|-----|
| | | | | | | | psig | bar |
| H - SWLA - 4T | 1/4 | 21.8 | 13.4 | 4.6 | 7.1 | 11.1 | 11,300 | 778 |
| H - SWLA - 6T | 3/8 | 26.4 | 15.8 | 7.1 | 7.9 | 12.7 | 8,400 | 578 |
| H - SWLA - 8T | 1/2 | 29.7 | 20.6 | 10.2 | 9.7 | 17.4 | 7,800 | 537 |
| H - SWLA - 10T | 5/8 | 36.1 | 23.8 | 12.7 | 10.4 | 20.6 | 6,700 | 461 |
| H - SWLA - 12T | 3/4 | 37.0 | 28.6 | 15.7 | 11.2 | 25.4 | 6,700 | 461 |
| H - SWLA - 16T | 1 | 46.5 | 35.0 | 22.1 | 15.7 | 31.8 | 6,100 | 420 |

Union Tee
H-SWTA



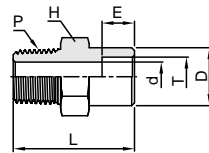
| Part No. | T Tube O.D. | L | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|---------------|-------------|------|------|------|------|---------------------|------------------------|-----|
| | | | | | | | psig | bar |
| H - SWTA - 2T | 1/8 | 15.0 | 13.4 | 2.3 | 2.5 | 11.1 | 11,800 | 813 |
| H - SWTA - 4T | 1/4 | 21.8 | 13.4 | 4.6 | 7.1 | 11.1 | 11,300 | 778 |
| H - SWTA - 6T | 3/8 | 26.4 | 15.8 | 7.1 | 7.9 | 12.7 | 8,400 | 578 |
| H - SWTA - 8T | 1/2 | 29.7 | 20.6 | 10.2 | 9.7 | 17.4 | 7,800 | 537 |
| H - SWTA -10T | 5/8 | 36.1 | 23.8 | 12.7 | 10.4 | 20.6 | 6,700 | 461 |
| H - SWTA -12T | 3/4 | 37.0 | 28.6 | 15.7 | 11.2 | 25.4 | 6,700 | 461 |
| H - SWTA -16T | 1 | 46.5 | 35.0 | 22.1 | 15.7 | 31.8 | 6,100 | 420 |

Union Cross
H-SWXA



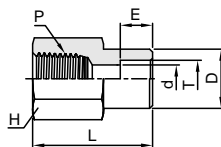
| Part No. | T Tube O.D. | L | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|---------------|-------------|------|------|------|------|---------------------|------------------------|-----|
| | | | | | | | psig | bar |
| H - SWXA - 4T | 1/4 | 21.8 | 13.4 | 4.6 | 7.1 | 11.1 | 11,300 | 778 |
| H - SWXA - 6T | 3/8 | 26.4 | 15.8 | 7.1 | 7.9 | 12.7 | 8,400 | 578 |
| H - SWXA - 8T | 1/2 | 29.7 | 20.6 | 10.2 | 9.7 | 17.4 | 7,800 | 537 |
| H - SWXA -12T | 3/4 | 37.0 | 28.6 | 15.7 | 11.2 | 25.4 | 6,700 | 461 |
| H - SWXA -16T | 1 | 46.5 | 35.0 | 22.1 | 15.7 | 31.8 | 6,100 | 420 |

Male Connector
H-SSD



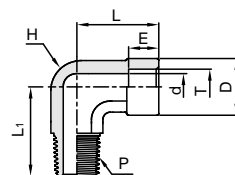
| Part No. | T Tube O.D. | P-NPT Male Pipe Size | L | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|----------------|-------------|----------------------|------|------|------|-----|---------------------|------------------------|-----|
| | | | | | | | | psig | bar |
| H - SSD4T - 4N | 1/4 | 1/4 | 29.2 | 12.2 | 4.6 | 7.1 | 14.20 | 7,500 | 516 |
| H - SSD6T - 4N | 3/8 | 1/4 | 31.8 | 15.3 | 7.1 | 7.9 | 15.80 | 7,500 | 516 |
| H - SSD6T - 6N | 3/8 | 3/8 | 31.8 | 15.3 | 7.1 | 7.9 | 17.40 | 7,300 | 502 |
| H - SSD6T - 8N | 3/8 | 1/2 | 37.3 | 15.3 | 7.1 | 7.9 | 22.20 | 7,200 | 496 |
| H - SSD8T - 4N | 1/2 | 1/4 | 33.3 | 18.5 | 7.1 | 9.7 | 19.05 | 6,200 | 427 |
| H - SSD8T - 6N | 1/2 | 3/8 | 33.3 | 18.5 | 9.4 | 9.7 | 19.05 | 6,200 | 427 |
| H - SSD8T - 8N | 1/2 | 1/2 | 38.9 | 18.5 | 10.2 | 9.7 | 22.20 | 6,200 | 427 |

Female Connector
H-SSB



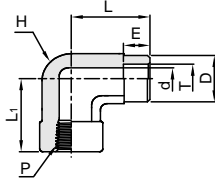
| Part No. | T Tube O.D. | P-NPT Female Pipe Size | L | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|--------------|-------------|------------------------|------|------|------|------|---------------------|------------------------|-----|
| | | | | | | | | psig | bar |
| H-SSB 2T- 2N | 1/8 | 1/8 | 21.1 | 7.4 | 2.3 | 2.5 | 14.20 | 6,100 | 420 |
| H-SSB 4T- 2N | 1/4 | 1/8 | 26.7 | 12.2 | 4.6 | 7.1 | 14.20 | 6,100 | 420 |
| H-SSB 4T- 4N | 1/4 | 1/4 | 30.0 | 12.2 | 4.6 | 7.1 | 19.05 | 6,200 | 427 |
| H-SSB 6T- 4N | 3/8 | 1/4 | 31.5 | 15.3 | 7.1 | 7.9 | 19.05 | 6,200 | 427 |
| H-SSB 8T- 6N | 1/2 | 3/8 | 34.5 | 18.5 | 10.2 | 9.7 | 22.20 | 5,000 | 344 |
| H-SSB 8T- 8N | 1/2 | 1/2 | 40.4 | 18.5 | 10.2 | 9.7 | 26.90 | 4,600 | 316 |
| H-SSB10T- 8N | 5/8 | 1/2 | 41.9 | 23.4 | 12.7 | 10.4 | 24.90 | 4,600 | 316 |
| H-SSB12T-12N | 3/4 | 3/4 | 43.9 | 26.4 | 15.7 | 11.2 | 33.30 | 4,300 | 296 |

Male Elbow
H-SLG



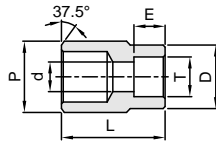
| Part No. | T Tube O.D. | P-NPT Male Pipe Size | L | L ₁ | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|--------------|-------------|----------------------|------|----------------|------|------|------|---------------------|------------------------|-----|
| | | | | | | | | | psig | bar |
| H-SLG 4T- 4N | 1/4 | 1/4 | 20.1 | 26.7 | 15.8 | 4.6 | 7.1 | 12.7 | 7,500 | 516 |
| H-SLG 6T- 4N | 3/8 | 1/4 | 26.4 | 26.7 | 15.8 | 7.1 | 7.9 | 12.7 | 7,500 | 516 |
| H-SLG 6T- 6N | 3/8 | 3/8 | 24.6 | 29.7 | 20.6 | 7.1 | 7.9 | 17.4 | 7,300 | 502 |
| H-SLG 6T- 8N | 3/8 | 1/2 | 25.9 | 36.0 | 23.8 | 7.1 | 7.9 | 20.6 | 7,200 | 496 |
| H-SLG 8T- 8N | 1/2 | 1/2 | 27.4 | 36.0 | 23.8 | 10.2 | 9.7 | 20.6 | 6,200 | 427 |
| H-SLG12T-12N | 3/4 | 3/4 | 37.0 | 37.0 | 28.6 | 15.7 | 11.2 | 25.4 | 6,700 | 461 |

Female Elbow H-SLD



| Part No. | T Tube O.D | P-NPT Female Pipe Size | L | L ₁ | D | d | E | H Width Across Flat | Working Pressure SS316 | |
|----------------|------------------|------------------------------|------|----------------|------|------|-----|------------------------------|---------------------------|-----|
| | | | | | | | | | psig | bar |
| H - SLD4T - 4N | 1/4 | 1/4 | 22.9 | 29.7 | 12.2 | 4.8 | 7.1 | 17.4 | 6,200 | 427 |
| H - SLD6T - 4N | 3/8 | 1/4 | 25.1 | 29.7 | 15.3 | 4.1 | 7.9 | 17.4 | 7,000 | 482 |
| H - SLD6T - 8N | 3/8 | 1/2 | 28.7 | 37.0 | 15.3 | 7.1 | 7.9 | 25.4 | 5,400 | 372 |
| H - SLD8T - 8N | 1/2 | 1/2 | 30.2 | 37.0 | 18.5 | 10.2 | 9.7 | 25.4 | 5,400 | 372 |

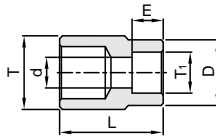
Pipe Weld to Tube Socket Weld H-SWRM



| Part No. | P Pipe Size | T Tube Socket Size | L | D | d | E | Working Pressure SS316 | |
|------------------|-------------------|-----------------------------|------|------|------|-----|---------------------------|-----|
| | | | | | | | psig | bar |
| H - SWRM 4P - 4T | 1/4 | 1/4 | 22.4 | 13.7 | 4.6 | 7.1 | 9,600 | 661 |
| H - SWRM 6P - 6T | 3/8 | 3/8 | 26.2 | 15.3 | 7.1 | 7.9 | 7,600 | 523 |
| H - SWRM 6P - 8T | 3/8 | 1/2 | 27.9 | 18.5 | 10.2 | 9.7 | 6,200 | 427 |
| H - SWRM 8P - 4T | 1/2 | 1/4 | 28.4 | 12.2 | 4.6 | 7.1 | 7,300 | 502 |
| H - SWRM 8P - 6T | 1/2 | 3/8 | 28.4 | 15.3 | 7.1 | 7.9 | 7,300 | 502 |
| H - SWRM 8P - 8T | 1/2 | 1/2 | 30.2 | 18.5 | 10.2 | 9.7 | 6,200 | 427 |
| H - SWRM12P - 6T | 3/4 | 3/8 | 38.1 | 15.3 | 7.1 | 7.9 | 6,200 | 427 |
| H - SWRM12P - 8T | 3/4 | 1/2 | 38.1 | 18.5 | 10.2 | 9.7 | 6,200 | 427 |

Used to reduce from a pipe butt weld or pipe socket weld to a smaller tube size

Tube Weld to Tube Socket Weld H-SWRM



| Part No. | T Tube Size | T ₁ Tube Socket Size | L | D | d | E | Working Pressure SS316 | |
|------------------|-------------------|--|------|------|------|-----|---------------------------|-----|
| | | | | | | | psig | bar |
| H - SWRM 4T - 2T | 1/4 | 1/8 | 14.2 | 7.4 | 2.3 | 2.5 | 11,800 | 813 |
| H - SWRM 6T - 4T | 3/8 | 1/4 | 19.1 | 12.2 | 4.6 | 7.1 | 7,700 | 530 |
| H - SWRM 8T - 4T | 1/2 | 1/4 | 22.4 | 18.2 | 4.6 | 7.1 | 7,000 | 482 |
| H - SWRM 8T - 6T | 1/2 | 3/8 | 22.4 | 15.7 | 8.1 | 7.9 | 7,000 | 482 |
| H - SWRM12T - 8T | 3/4 | 1/2 | 28.4 | 18.5 | 10.2 | 9.7 | 5,900 | 406 |
| H - SWRM16T - 8T | 1 | 1/2 | 35.1 | 18.5 | 10.2 | 9.7 | 5,600 | 344 |

Used to reduce from a tube butt weld or tube socket weld to a smaller tube size



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