



# Hydraulic Stainless Steel Adaptors

## Pressure Ratings

Size	316 SS		Brass		Carbon Steel	
	Male	Female	Male	Female	Male	Female
1/16	11000	6700	5500	3300	11000	6700
1/8	10000	6500	5000	3200	10000	6500
1/4	8000	6600	4000	3300	8000	6600
3/8	7800	5300	3900	2600	7800	5300
1/2	7700	4900	3800	2400	7700	4900
3/4	7300	4600	3600	2300	7300	4600
1	5300	4400	2600	2200	5300	4400
1 1/4	6000	5000	3000	2500	6000	5000
1 1/2	5000	4600	2500	2300	5000	4600
2	3900	3900	1900	1900	3900	3900

- Pressure ratings are based on ASME Code for pressure piping B13.3, Process piping with allowable stress 20,000psi for 316 SS 10,000psi/Brass, and 20,000psi/Carbon Steel.
- To determine pressure ratings in accordance with B31.1 Power piping - 316 SS x 0.94 / CS x 0.75 / Brass material remains same.
- To determine kPa. multiply by 6.89

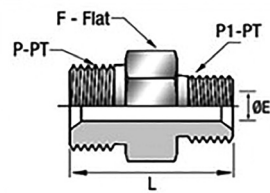
## Material

Material	Bar Stock	Forging
316 SS	ASTM A276, ASME SA479, EN 1.4401	ASTM A182, ASME SA182, EN 1.4401

# Male x Male Straight Adaptors

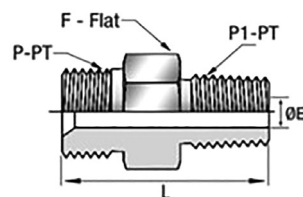
## BSPP x BSPP

Part No	P	P1	L	F	E
2025-1401	1/8"	1/8"	23.5mm	14mm	3.5mm
2025-1419	1/4"	1/8"	28mm	19mm	3.5mm
2025-1427	1/4"	1/4"	31.5mm	19mm	4.7mm
2025-1435	3/8"	1/8"	30.7mm	22mm	3.5mm
2025-1443	3/8"	1/4"	33.2mm	22mm	4.7mm
2025-1450	3/8"	3/8"	34.7mm	22mm	7.9mm
2025-1468	1/2"	1/4"	36.7mm	27mm	4.7mm
2025-1476	1/2"	3/8"	38.2mm	27mm	4.7mm
2025-1484	1/2"	1/2"	40.7mm	27mm	11.1mm
2025-1495	5/8"	1/2"	43.2mm	30mm	11.1m
2025-1505	5/8"	5/8"	45.2mm	30mm	14.3mm
2025-1520	3/4"	1/4"	39.2mm	32mm	4.7mm
2025-1526	3/4"	3/8"	40.7mm	32mm	7.9mm
2025-1534	3/4"	1/2"	43.2mm	32mm	11.1mm
2025-1538	3/4"	5/8"	45.2mm	32mm	14.3mm
2025-1559	3/4"	3/4"	45.2mm	32mm	16.7mm
2025-1567	1"	1/2"	46.9mm	41mm	11.1mm
2025-1572	1"	5/8"	49.9mm	41mm	14.3mm
2025-1583	1"	3/4"	48.9mm	41mm	16.7mm
2025-1591	1"	1"	51.9mm	41mm	22.2mm
2025-1595	1.1/4"	3/4"	57.4mm	50mm	16.7mm
2025-1600	1.1/4"	1"	60.4mm	50mm	22.2mm
2025-1609	1.1/4"	1.1/4"	61.4mm	50mm	28.6mm
2025-1611	1.1/2"	1"	64.4mm	55mm	22.2mm
2025-1615	1.1/2"	1.1/4"	65.4mm	55mm	28.6mm
2025-1617	1.1/2"	1.1/2"	67.4mm	55mm	33.3mm
2025-1620	2"	1.1/2"	72.9mm	70mm	33.3mm
2025-1625	2"	2"	76.4mm	70mm	46mm



## BSPP x NPT

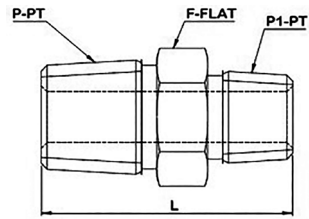
Part No	P1	P	L	F	E
2025-1633	1/8"	1/8"	24.4mm	14mm	3.5mm
2025-1636	1/8"	1/4"	28mm	19mm	3.5mm
2025-1639	1/4"	1/8"	28mm	19mm	3.5mm
2025-1641	1/4"	1/4"	33.4mm	19mm	4.7mm
2025-1643	1/4"	3/8"	33.2mm	22mm	4.7mm
2025-1656	3/8"	1/4"	33.2mm	22mm	4.7mm
2025-1658	3/8"	3/8"	35.1mm	22mm	7.9mm
2025-1661	3/8"	1/2"	38.2mm	27mm	7.9mm
2025-1671	1/2"	3/8"	38.2mm	27mm	7.9mm
2025-1674	1/2"	1/2"	43.4mm	22mm	11mm
2025-1677	5/8"	1/2"	43.2mm	30mm	11.1mm
2025-1679	5/8"	3/4"	45.2mm	32mm	14.3mm
2025-1681	3/4"	1/2"	43.2mm	32mm	11.1mm
2025-1682	3/4"	3/4"	45.9mm	30mm	16.7mm
2025-1684	3/4"	1"	48.9mm	41mm	16.7mm
2025-1687	1"	3/4"	48.9mm	41mm	16.7mm
2025-1690	1"	1"	54.5mm	41mm	22.2mm
2025-1700	1.1/4"	1.1/4"	63.7mm	50mm	28.6mm
2025-1710	1.1/2"	1.1/2"	68.5mm	55mm	33.9mm



## Male x Male Straight Adaptors

### BSPT x BSPT

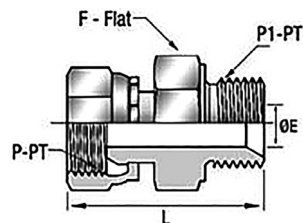
Part No	P1	P2	L	F
2025-1708	1/8"	1/8"	27mm	11.0mm
2025-1715	1/4"	1/8"	31mm	14.3mm
2025-1724	1/4"	1/4"	37.4mm	14.2mm
2025-1727	3/8"	1/8"	31.8mm	17.5mm
2025-1732	3/8"	1/4"	36.3mm	17.5mm
2025-1740	3/8"	3/8"	37mm	17.5mm
2025-1845	1/2"	1/8"	37.3mm	22.2mm
2025-1852	1/2"	1/4"	41.9mm	22.2mm
2025-1856	1/2"	3/8"	41.9mm	22.2mm
2025-1865	1/2"	1/2"	46.7mm	22.2mm
2025-1881	3/4"	1/8"	40.4mm	27.0mm
2025-1885	3/4"	1/4"	41.9mm	27.0mm
2025-1889	3/4"	3/8"	45.2mm	27.0mm
2025-1894	3/4"	1/2"	46.7mm	27mm
2025-1898	3/4"	3/4"	46.7mm	27mm
2025-1905	1"	1/8"	45.2mm	34.9mm
2025-1910	1"	1/4"	49.3mm	34.9mm
2025-1915	1"	3/8"	50.0mm	34.9mm
2025-1920	1"	1/2"	54.1mm	34.9mm
2025-1925	1"	3/4"	54.1mm	34.9mm
2025-1931	1"	1"	60.7mm	35mm
2025-1935	1.1/4"	1"	62.2mm	44.5mm



## Male x Female Straight Adaptors

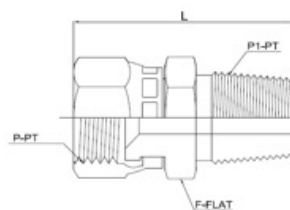
### Male x Female Swivel, BSPP

Part No	P	P1	L	F
2025-1930	1/8"	1/8"	31.6mm	14mm
2025-1948	1/4"	1/4"	36.6mm	19mm
2025-1955	1/4"	3/8"	38.5mm	22mm
2025-1961	1/4"	1/2"	42mm	27mm
2025-1963	3/8"	1/4"	38.3mm	22mm
2025-1971	3/8"	3/8"	40mm	22mm
2025-1989	3/8"	1/2"	43.6mm	27mm
2025-1997	1/2"	3/8"	43.5mm	27mm
2025-2003	1/2"	1/2"	46.1mm	27mm
2025-2020	1/2"	3/4"	48mm	32mm
2025-2029	3/4"	1/2"	48.6mm	32mm
2025-2037	3/4"	3/4"	50mm	32mm
2025-2043	3/4"	1"	54.3mm	41mm
2025-2060	1"	1"	57.3mm	41mm



### Male x Female Swivel, BSPP

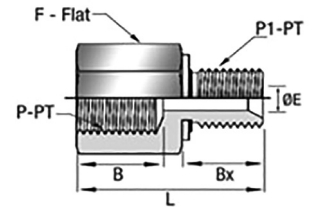
Part No	P	P1	L	F
2033-9862	1/8"	1/8"	31.6mm	11mm
2033-9867	1/4"	1/4"	36.6mm	14.2mm
2033-9875	3/8"	3/8"	40mm	17.5mm
2033-9883	1/2"	1/2"	46.1mm	22.2mm
2033-9891	3/4"	3/4"	50.0mm	27.0mm
2033-9896	1"	1"	57.3mm	35mm



## Male x Female Straight Adaptors

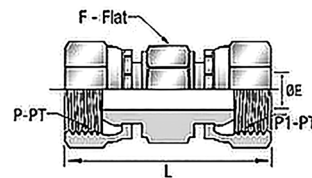
### Male x Female Fixed, BSPP

Part No	P	P1	L	F	B	Bx	E
2025-8121	1/8"	1/8"	25.1mm	14.3mm	9.9mm	7.1mm	4.1mm
2025-8142	1/4"	1/4"	33.5mm	19.1mm	10.4mm	11.2mm	5.8mm
2025-8161	3/8"	1/4"	37.1mm	22mm	15mm	11mm	4.7mm
2025-8171	3/8"	3/8"	35.8mm	22.2mm	15mm	11.2mm	7.9mm
2025-8181	1/2"	1/4"	38mm	27mm	19.8mm	11mm	4.7mm
2025-8191	3/4"	1/4"	40mm	32mm	20.6mm	11mm	4.7mm
2025-8201	1/2"	3/8"	45.3mm	30mm	19.8mm	12mm	7.9mm
2025-8211	1/2"	1/2"	44.2mm	27mm	15mm	14.2mm	11.9mm
2025-8221	3/4"	3/8"	41.6mm	32mm	20.6mm	12mm	7.9mm
2025-8231	3/4"	1/2"	47.3mm	32mm	20.6mm	14mm	11.1mm
2025-8241	3/4"	3/4"	48mm	33.3mm	20.6mm	15.7mm	15.7mm
2025-8251	1"	1/2"	50.3mm	41mm	25.4mm	14mm	11.1mm
2025-8261	1"	1"	53.3mm	41.3mm	25.4mm	18.30mm	19.8mm
2025-8271	1"	3/4"	52.2mm	41mm	25.4mm	16mm	16.7mm



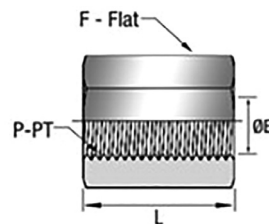
## Female x Female Straight Adaptors

Part No	P	P1	L	F	E
2025-2078	1/4"	1/4"	37mm	19mm	4.7mm
2025-2082	3/8"	1/4"	38.6mm	22mm	4.7mm
2025-2086	3/8"	3/8"	40.5mm	22mm	7.9mm
2025-2089	1/2"	1/4"	41.5mm	27mm	4.7mm
2025-2093	1/2"	3/8"	42.9mm	27mm	7.9mm
2025-2094	1/2"	1/2"	45.8mm	27mm	11.1mm
2025-2100	5/8"	5/8"	47.5mm	30mm	14.3mm
2025-2122	3/4"	1/2"	48.2mm	32mm	11.1mm
2025-2132	3/4"	3/4"	49.5mm	32mm	16.7mm
2025-2110	1"	1"	57.5mm	41mm	22.2mm



## Fixed Female Hexagon Socket, BSPP

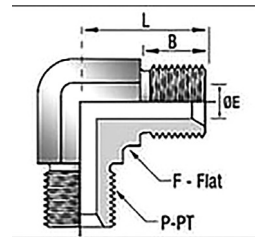
Part No	P	L	F	E
2025-2466	1/8"	20.6mm	14.3mm	8.6mm
2025-2474	1/4"	30.2mm	19.1mm	11.4mm
2025-2482	3/8"	33.3mm	22.2mm	15mm
2025-2490	1/2"	39.6mm	27mm	18.5mm
2025-2508	3/4"	41.1mm	33.3mm	23.9mm
2025-2516	1"	50.8mm	41.3mm	29.7mm



## Elbows

### Equal Elbow, BSPP

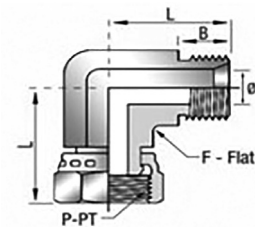
Part No	P	L	F	B	E
2033-9922	1/8"	16.6mm	11mm	8mm	3.5mm
2033-9933	1/4"	27.8mm	14mm	11mm	4.7mm
2033-9941	3/8"	31.7mm	19mm	12mm	7.9mm
2033-9958	1/2"	37mm	22mm	14mm	11.1mm
2033-9962	5/8"	39mm	22mm	16mm	14.3mm
2033-9963	3/4"	41.6mm	27mm	16mm	16.7mm
2033-9974	1"	49.7mm	23mm	19mm	22.2mm
2033-9982	1.1/4"	54.4mm	48mm	20mm	28.6mm
2033-9992	1.1/2"	56.4mm	48mm	22mm	33.3mm



## Elbows

### Male x Female Swivel BSPP

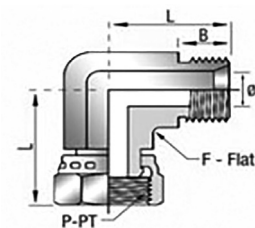
Part No	P	L	L1	F	B	E
2025-2185	1/8"	16.6mm	22mm	11mm	8mm	3.5mm
2025-2193	1/4"	27.8mm	31.2mm	19mm	11mm	4.7mm
2025-2201	3/8"	31.7mm	36.2mm	22mm	12mm	7.9mm
2025-2219	1/2"	37mm	41mm	27mm	14mm	11.1mm
2025-2223	5/8"	39mm	41.6mm	27mm	16mm	14.3mm
2025-2227	3/4"	41.6mm	45.3mm	33mm	16mm	16.7mm
2025-2232	1"	49.7mm	53.9mm	41mm	19mm	22.2mm
2025-2240	1.1/4"	54.4mm	60mm	48mm	20mm	28.6mm
2025-2245	1.1/2"	53.7mm	63.3mm	48mm	22mm	33.3mm



## Elbows

### Female Swivel, BSPP

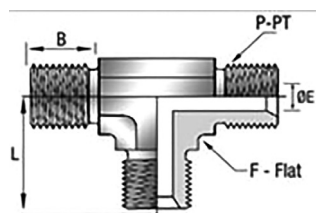
Part No	P	F	L	E
2025-2136	1/4"	14mm	30.5mm	4.7mm
2025-2151	1/2"	22mm	38.8mm	11.1mm
2025-2169	3/4"	27mm	42.3mm	16.7mm



# Tees

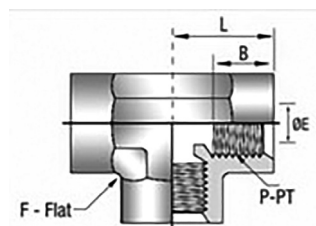
## Male, BSPP

Part No	P	L	F	B	E
2025-2321	1/8	16.6	11.0	8.0	3.5
2025-2326	1/4	27.8	19.0	11.0	4.7
2025-2334	3/8	31.7	22.0	12.0	7.9
2025-2342	1/2	37.0	27.0	14.0	11.1
2025-2449	3/4	41.9	33.0	16.0	16.7
2025-2354	1	41.9	41.0	19.0	22.2



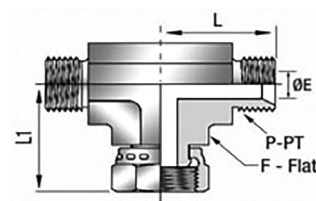
## Female Swivel, BSPP

Part No	P-PT, BSPP	L	F	E
2025-2250	1/4	30.5	14.0	4.7
2025-2258	3/8	33.0	19.0	7.9
2025-2263	1/2	38.8	22.0	11.0
2025-2273	5/8	42.3	27.0	16.7
2025-2283	3/4	49.0	33.0	22.2
2025-2293	1	58.2	41.0	28.6



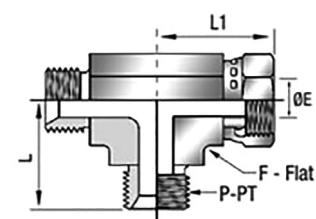
## Female Swivel Branch, BSPP

Part No	P-PT, BSPP	L	L1	F	E
2025-4001	1/8	16.6	22.0	11.0	3.5
2025-4011	1/4	27.8	31.2	19.0	4.7
2025-4021	3/8	31.7	36.2	27.0	7.9
2025-4031	1/2	37.0	41.0	27.0	11.1
2025-4041	3/4	45.3	45.3	33.0	16.7
2025-4051	1	53.9	53.9	41.0	22.2



## Female Swivel Run, BSPP

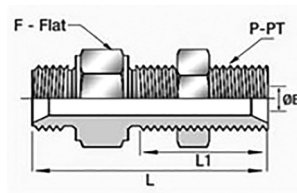
Part No	PT, BSPP	L	L1	F	E
2025-4501	1/8	16.6	22.0	11.0	3.5
2025-4511	1/4	27.8	31.2	19.0	4.7
2025-4521	3/8	31.7	36.2	27.0	7.9
2025-4531	1/2	31.7	41.0	27.0	11.1
2025-4541	3/4	41.6	45.3	33.0	16.7
2025-4551	1	49.7	53.9	41.0	22.2



## Bulkhead Complete with Locknut

### Bulkhead Complete with Locknut

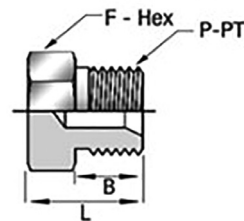
Part No	P-PT, BSPP	L	L1	F	E
2025-2391	1/4	46.8	28.0	19.0	4.7
2025-2409	3/8	52.5	32.0	22.0	7.9
2025-2417	1/2	59.0	35.0	27.0	11.1
2025-2425	5/8	66.5	35.0	30.0	14.3
2025-2433	3/4	64.5	38.0	32.0	16.7
2025-2441	1	71.2	41.0	41.0	22.2
2025-2445	1.1/4	82.7	44.0	50.0	28.6
2025-2450	1.1/2	90.7	48.0	55.0	33.3



## Plugs

### BSPP

Part No	P-PT, BSPP	L	F	B
2033-4002	1/8	14.3	14.0	8.0
2033-4012	1/4	18.8	19.0	11.0
2033-4022	3/8	20.5	22.0	12.0
2033-4032	1/2	24.0	27.0	14.0
2033-4042	5/8	24.0	30.0	16.0
2033-4052	3/4	26.5	32.0	16.0
2033-4062	1	30.2	41.0	19.0
2033-4072	1.1/4	38.7	50.0	20.0
2033-4082	1.1/2	42.7	55.0	22.0
2033-4092	2	48.2	70.0	25.0



### BSPT

Part No	P-PT, BSPT	L	F	B
2025-2524	1/8	14.2	11.1	9.7
2025-2532	1/4	19.1	14.3	14.2
2025-2540	3/8	19.8	17.5	14.2
2025-2557	1/2	24.6	22.2	19.1
2025-2565	3/4	30.7	27.0	19.1
2025-2573	1	38.1	34.9	23.9
2025-2582	1.1/4	38.4	44.5	23.9
2025-2592	1.1/2	43.7	50.8	26.2
2025-2602	2	50.8	69.9	26.2

