N PIPING SYSTEMS PVT LTD

TOTAL PIPING SOLUTIONS

AN ISO 9001-2015 CERTIFIED COMPANY | (EIL & IBR APPROVED)

Manufacturers for: Pipe Fittings, Flanges & Piping Spools
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N PIPING SYSTEMS PVT LTD
TOTAL PIPING SOLUTIONS

THREADED & SOCKET WELD FORGED FITTINGS CATALOGUE

Dimension Specifications & Product Technical Data | ASME B16.11, ASME B1.20.1, MSS SP-97

About Us: **N PIPING SYSTEMS PVT LTD envisions being one of the most trusted and admired ASME B16.11 Forged Fittings manufacturing companies in India by delivering superior quality products with precision and efficiency. We offer a comprehensive range of Threaded and Socket Weld Forged Fittings tailored for critical industrial applications across Public & Private Sectors, Government, and Semi-Government departments worldwide.**



90° Threaded Elbows	45° Threaded Elbows	Threaded TEEs	Threaded Crosses	Threaded Street Elbows	Threaded Laterals
1/8" to 4" Class 2000 1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/4" to 4" Class 2000 1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/8" to 4" Class 2000 1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/8" to 4" Class 2000 1/8" to 4" Class 3000 1/8" to 3" Class 6000	1/8" to 2" Class 3000 1/4" to 1 1/2" Class 6000	1/2 to 2" Class 3000 3/4" to 1 1/2" Class 6000



Threaded Couplings	Threaded Half Couplings	Threaded Pipe Caps	Threaded Couplets	Threaded Reducing Couplings
1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/8" to 4" Class 3000 1/8" to 4" Class 6000	1/4" to 4" Class 3000 1/4" to 4" Class 6000	1/4" to 4" Class 3000 1/4" to 4" Class 6000

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3. UNIONS & SPECIALTY FITTINGS

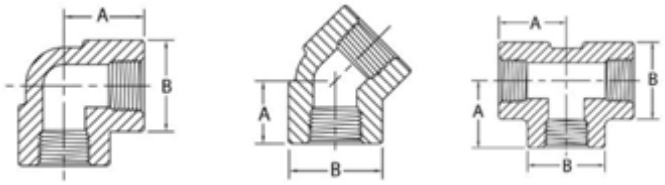
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Standard Pressure Fittings & Serrated Adapters / Insert Fittings age 10

FORGED THREADED FITTINGS — CLASS 2000 & 3000

Specification: ASME B16.11, ASME B1.20.1 | All dimensions are in inches unless specified.

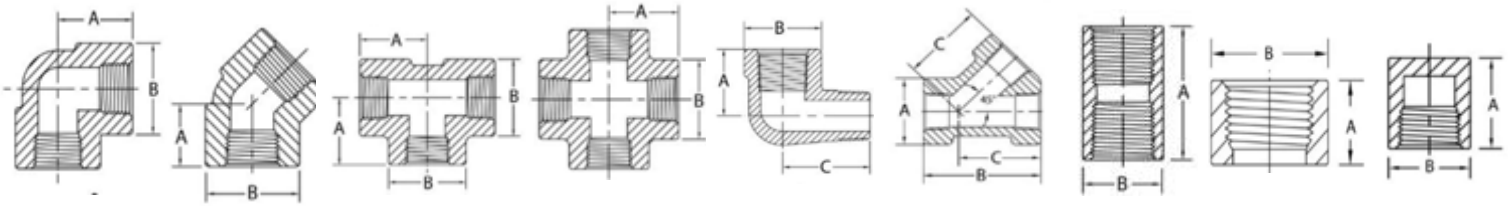
Class 2000 Forged Threaded Fittings Dimensions



90° Elbows, 45° Elbows, Tees & Crosses

FITTING TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° Elbow	A	0.810	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	3.000	3.250	3.750
	B	0.880	0.880	1.000	1.310	1.500	1.900	2.250	2.500	3.000	3.625	4.250	5.500
	Wt (lb)	0.20	0.18	0.34	0.38	0.70	1.35	1.88	1.93	1.58	2.90	11.00	22.60
45° Elbow	A	0.690	0.690	0.750	0.880	1.000	1.120	1.310	1.380	1.690	1.720	2.060	2.500
	B	0.880	0.880	1.000	1.310	1.500	1.900	2.250	2.500	3.000	3.625	4.250	5.500
	Wt (lb)	0.18	0.18	0.26	0.54	0.65	0.80	1.30	1.53	2.65	2.55	8.00	22.30
Tees	A	0.810	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	3.000	3.250	3.750
	B	0.880	0.880	1.000	1.310	1.500	1.900	2.250	2.500	3.000	3.625	4.250	5.500
	Wt (lb)	0.28	0.28	0.43	0.84	0.88	1.35	2.30	2.74	6.56	2.65	12.00	35.43

Class 3000 Forged Threaded Fittings Dimensions



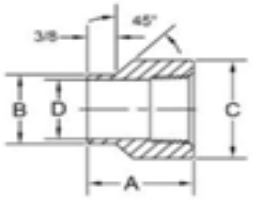
FITTING TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° Elbow	A	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
	B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
	Wt (lb)	0.21	0.31	0.60	0.91	1.43	2.28	2.88	4.88	5.44	10.00	17.13	29.25
45° Elbow	A	0.690	0.750	0.880	1.000	1.120	1.310	1.380	1.690	1.720	2.060	2.500	3.120
	B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
	Wt (lb)	0.18	0.26	0.54	0.75	1.18	2.03	2.13	4.05	4.25	7.63	12.00	19.75
Tees	A	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
	B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
	Wt (lb)	0.28	0.43	0.84	1.23	1.85	3.00	3.63	6.83	7.00	13.75	21.00	38.00
Crosses	A	0.970	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
	B	1.000	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
	Wt (lb)	0.51	0.50	0.96	1.43	2.30	3.73	4.40	8.13	8.31	16.94	20.75	34.13
Street Elbows	A	0.880	0.880	1.000	1.120	1.380	1.750	2.000	2.120	2.500	-	-	-
	B	0.875	1.000	1.250	1.500	1.750	2.000	2.440	2.750	3.310	-	-	-
	C	1.250	1.250	1.500	1.620	1.880	2.250	2.620	2.810	3.310	-	-	-
	Wt (lb)	0.20	0.25	0.36	0.53	0.85	1.38	2.25	2.81	5.09	-	-	-
Couplings	A	1.250	1.375	1.500	1.875	2.000	2.375	2.625	3.125	3.375	3.625	4.250	4.750
	B	0.625	0.750	0.875	1.125	1.375	1.750	2.250	2.500	3.000	3.625	4.250	5.500
	Wt (lb)	0.11	0.10	0.13	0.28	0.42	0.85	1.50	2.19	3.02	4.56	6.79	12.00
Pipe Caps	A	0.812	1.062	1.062	1.312	1.500	1.687	1.781	1.937	2.250	2.375	2.562	2.687
	B	0.750	0.750	0.875	1.125	1.375	1.750	2.250	2.500	3.000	3.625	4.250	5.500
	Wt (lb)	0.08	0.09	0.11	0.24	0.39	0.72	1.32	1.54	2.34	4.05	5.84	10.08

CLASS 3000 THREADED REDUCING COUPLINGS & COUPLETS

Specification: ASME B16.11, ASME B1.20.1 | Full Dimensional Schedule

Class 3000 Couplets Dimensions

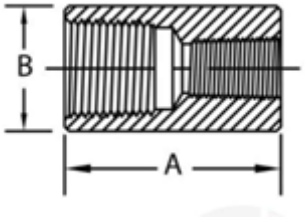




DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
A	-	1.188	1.188	1.313	1.375	1.688	1.875	2.000	2.250	2.500	2.750	3.000
B	-	0.688	0.813	0.938	1.063	1.313	1.688	1.938	2.438	2.875	3.500	4.500
C	-	0.938	1.063	1.313	1.500	1.813	2.188	2.500	3.125	3.625	4.375	5.563
D	-	0.433	0.566	0.700	0.906	1.137	1.480	1.720	2.193	2.614	3.234	4.227
Wt (lb)	-	0.12	0.14	0.26	0.26	0.52	0.82	1.06	1.54	2.40	6.70	7.30

Class 3000 Threaded Reducing Couplings



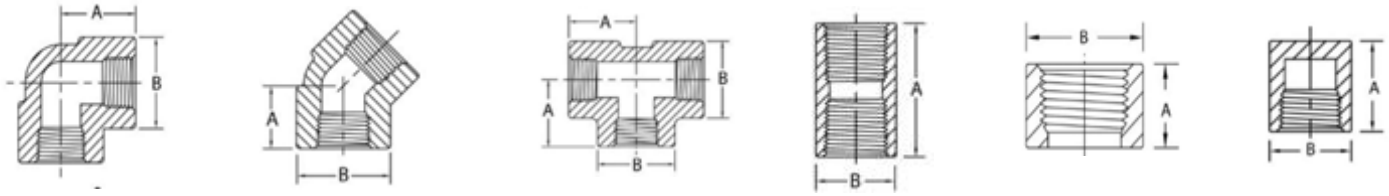


PIPE SIZE	A (LENGTH)	B (OD)	APPROX. WT (LB)	PIPE SIZE	A (LENGTH)	B (OD)	APPROX. WT (LB)
1/4" x 1/8"	1.375	0.750	0.10	1-1/2" x 1/8"	3.125	2.500	2.19
3/8" x 1/8"	1.500	0.875	0.13	1-1/2" x 1/4"	3.125	2.500	2.19
3/8" x 1/4"	1.500	0.875	0.13	1-1/2" x 1/2"	3.125	2.500	2.19
1/2" x 1/8"	1.875	1.125	0.28	1-1/2" x 1"	3.125	2.500	2.19
1/2" x 1/4"	1.875	1.125	0.28	2" x 1/8"	3.375	3.000	3.02
1/2" x 3/8"	1.875	1.125	0.28	2" x 1/2"	3.375	3.000	3.02
3/4" x 1/8"	2.000	1.375	0.42	2" x 1"	3.375	3.000	3.02
3/4" x 1/4"	2.000	1.375	0.42	2" x 1-1/2"	3.375	3.000	3.02
3/4" x 1/2"	2.000	1.375	0.42	2-1/2" x 1"	3.625	3.625	4.56
1" x 1/8"	2.375	1.750	0.85	2-1/2" x 2"	3.625	3.625	4.56
1" x 1/2"	2.375	1.750	0.85	3" x 1"	4.250	4.250	6.79
1" x 3/4"	2.375	1.750	0.85	3" x 2"	4.250	4.250	6.79
1-1/4" x 1/2"	2.625	2.250	1.50	4" x 2"	4.750	5.500	12.00
1-1/4" x 1"	2.625	2.250	1.50	4" x 3"	4.750	5.500	12.00

CLASS 6000 FORGED THREADED FITTINGS

Specification: ASME B16.11, ASME B1.20.1

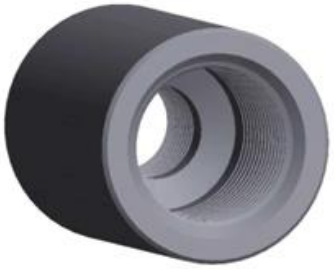
Class 6000 Threaded Fittings Dimensions

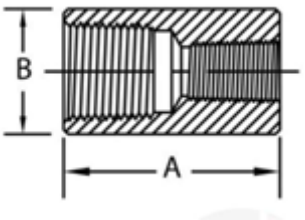


FITTING TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° Elbow	A	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.190	4.500
	B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	5.750	6.000
	Wt (lb)	0.38	0.66	1.45	1.59	2.54	3.56	5.88	7.06	13.00	21.78	36.22	36.22
45° Elbow	A	0.750	0.880	1.000	1.120	1.310	1.380	1.690	1.720	2.060	2.500	3.120*	3.120
	B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000	6.000
	Wt (lb)	0.25	0.59	0.85	1.34	2.25	2.59	4.56	5.75	9.63	11.00	35.00	22.00
Tees	A	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.190	4.500
	B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	5.750	6.000
	Wt (lb)	0.44	0.92	1.38	2.16	3.63	4.83	7.75	9.75	17.38	28.90	49.60	49.60
Couplings	A	1.250	1.375	1.500	1.875	2.000	2.375	2.625	3.125	3.375	3.625	4.250	4.750
	B	0.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
	Wt (lb)	0.18	0.14	0.40	0.69	0.90	1.88	2.31	4.00	6.20	9.25	13.44	22.13
Pipe Caps	A	0.875*	1.125	1.125	1.375	1.562	1.750	1.844	1.968	2.219	2.531	2.750	3.062
	B	0.875	1.062	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
	Wt (lb)	0.13	0.21	0.35	0.42	0.58	1.16	1.40	2.14	3.62	8.10	11.70	20.00

** Sizes marked with asterisk are not strictly covered by ASME B16.11 standard.*

Class 6000 Threaded Reducing Couplings





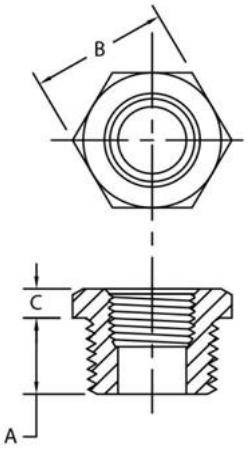
PIPE SIZE	A (LENGTH)	B (OD)	APPROX. WT (LB)	PIPE SIZE	A (LENGTH)	B (OD)	APPROX. WT (LB)
1/4" x 1/8"	1.375	1.062	0.14	1-1/2" x 1/8"	3.125	3.000	4.00
3/8" x 1/8"	1.500	1.250	0.40	2" x 1/8"	3.375	3.625	7.50
1/2" x 1/8"	1.875	1.500	0.69	2-1/2" x 1/8"	3.625	4.250	9.25
3/4" x 1/8"	2.000	1.750	0.90	3" x 1/8"	4.250	5.000	13.44
1" x 1/8"	2.375	2.250	1.88	4" x 1/8"	4.750	6.250	22.13
1-1/4" x 1/8"	2.625	2.500	2.31	4" x 3"	4.750	6.250	22.13

FORGED STEEL HEX BUSHINGS & THREADED PLUGS

Specification: ASME B16.11, ASME B1.20.1

Forged Steel Threaded Hex Bushings

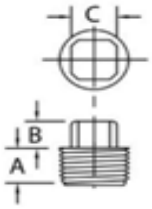




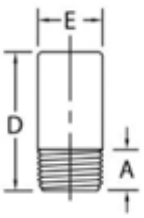
PIPE SIZE	A (MIN HEX)	B (NOM HEX)	C (FLANGE THK)	APPROX. WT (LB)
1/4" x 1/8"	0.44	0.62	0.12	0.02
3/8" x 1/8", 1/4"	0.50	0.69	0.16	0.05 / 0.03
1/2" x 1/8", 1/4", 3/8"	0.56	0.88	0.19	0.11 / 0.09 / 0.06
3/4" x 1/8", 1/4", 3/8", 1/2"	0.62	1.06	0.22	0.21 / 0.18 / 0.15 / 0.10
1" x 1/8", 1/4", 3/8", 1/2", 3/4"	0.75	1.38	0.25	0.36 / 0.33 / 0.30 / 0.27 / 0.19
1-1/4" x 1/4", 1/2", 3/4", 1"	0.81	1.75	0.28	0.76 / 0.68 / 0.64 / 0.60
1-1/2" x 1/2", 3/4", 1", 1-1/4"	0.81	2.00	0.31	0.93 / 0.84 / 0.80 / 0.75
2" x 1/2", 3/4", 1", 1-1/4", 1-1/2"	0.88	2.50	0.34	1.74 / 1.63 / 1.55 / 1.50 / 1.45
2-1/2" x 1", 1-1/4", 1-1/2", 2"	1.125	3.00	0.50	2.75 / 2.25 / 2.00 / 1.13
3" x 1", 1-1/2", 2", 2-1/2"	1.312	3.62	0.56	4.50 / 3.63 / 2.75 / 2.13
4" x 2", 2-1/2", 3"	1.500	4.62	0.69	7.00 / 6.75 / 4.50

Forged Steel Threaded Plugs — Square, Round & Hex Head

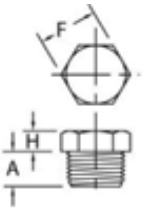








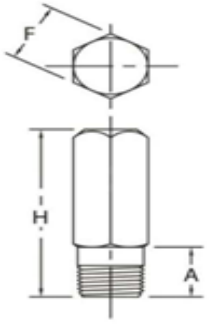




TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Square Head Plug	A (Min Length)	0.395	0.455	0.515	0.580	0.640	0.770	0.830	0.830	0.910	1.062	1.188	1.250
	B (Square Width)	0.250	0.250	0.310	0.380	0.440	0.500	0.560	0.620	0.690	0.750	0.875	1.000
	C (Sq Height)	0.295	0.405	0.465	0.575	0.645	0.835	0.965	1.145	1.335	1.500	1.875	2.500
	Wt (lb)	0.02	0.03	0.06	0.13	0.19	0.31	0.56	0.88	1.50	2.25	2.87	7.18
Round Head Plug	A (Min Length)	0.380	0.562	0.562	0.812	0.812	0.937	0.937	1.000	1.062	1.500	1.562	1.625
	D (Head Length)	1.380	1.620	1.620	1.750	1.750	2.000	2.000	2.000	2.500	2.750	2.750	3.000
	E (Nom Diam)	0.437	0.562	0.750	0.875	1.062	1.312	1.750	2.000	2.375	3.000	3.625	4.625
	Wt (lb)	0.06	0.11	0.20	0.30	0.44	0.77	1.27	1.78	3.48	5.50	8.04	14.28
Hex Head Plug	A (Min Length)	0.437	0.593	0.593	0.781	0.781	0.968	1.000	1.000	1.062	1.125*	1.312*	1.500*
	F (Nom Hex)	0.437	0.625	0.687	0.875	1.062	1.375	1.750	2.000	2.500	3.000	3.625	4.625
	H (Hex Height)	0.250	0.250	0.310	0.310	0.380	0.380	0.560	0.620	0.690	0.500	0.562	0.687
	Wt (lb)	0.06	0.06	0.07	0.19	0.30	0.59	1.10	1.54	2.54	2.34	6.24	11.00

Hex Head Refinery Plugs





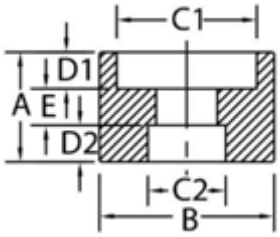
DIM	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A (Min Length)	0.810	0.810	1.250	1.375	1.562	1.625	1.625	1.750
F (Nom Hex)	0.625	0.875	0.875	1.062	1.375	1.750	2.000	2.500
H (Overall Height)	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

CLASS 3000 FORGED SOCKET WELD FITTINGS

Specification: ASME B16.11 | Full Dimensional Schedule

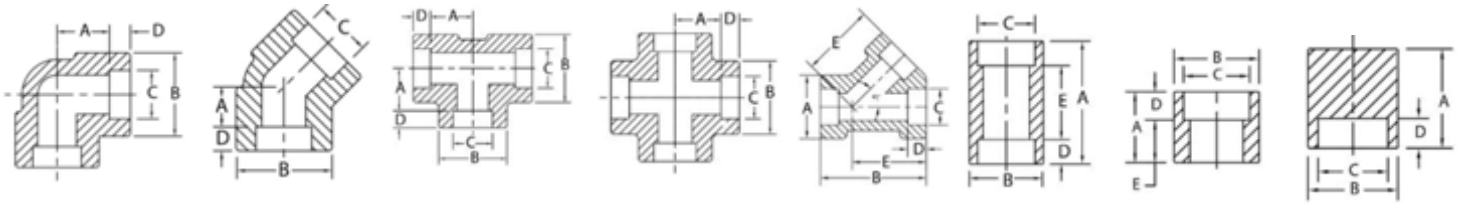
Common Socket Dimensions (Class 3000, 6000, 9000)





DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Socket Bore (C)	0.420-0.440	0.555-0.575	0.690-0.710	0.855-0.875	1.065-1.085	1.330-1.350	1.675-1.695	1.915-1.935	2.406-2.426	2.906-2.931	3.535-3.560	4.545-4.570
Socket Depth (D)	0.380	0.380	0.380	0.380	0.500	0.500	0.500	0.500	0.620	0.620	0.620	0.765

Class 3000 Socket Weld Fittings Dimensions

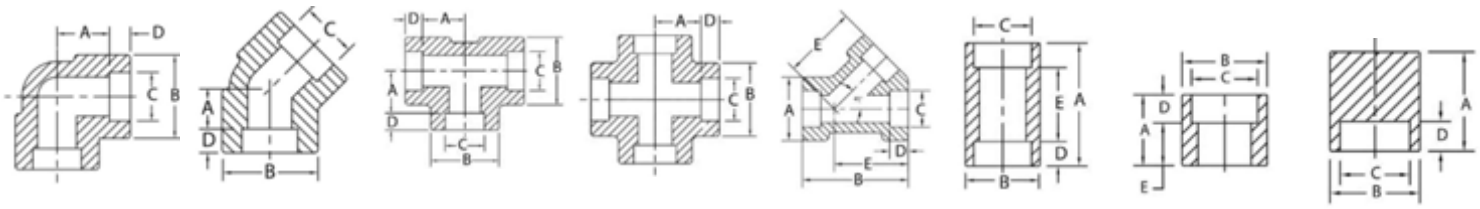


FITTING TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° Elbow	A	0.440	0.440	0.530	0.620	0.750	0.880	1.060	1.250	1.500	1.620	2.250	2.620
	B	0.880	0.880	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.690	4.380	5.750
	Wt (lb)	0.20	0.16	0.25	0.48	0.68	1.06	1.59	2.13	3.78	6.74	10.94	24.13
45° Elbow	A	0.310	0.310	0.310	0.440	0.500	0.560	0.690	0.810	1.000	1.120	1.250	1.620
	B	0.880	0.880	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.680	4.370	6.000
	Wt (lb)	0.15	0.13	0.20	0.43	0.58	0.89	1.40	1.70	2.69	7.88	11.25	20.75
Tees	A	0.440	0.440	0.530	0.620	0.750	0.880	1.060	1.250	1.500	1.620	2.250	2.620
	B	0.880	0.880	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.690	4.380	5.750
	Wt (lb)	0.23	0.19	0.33	0.71	0.87	1.44	2.19	2.98	4.57	8.60	13.00	31.30
Couplings	A	1.025	1.025	1.085	1.245	1.335	1.415	1.415	1.415	1.905	1.865	1.865	2.125
	B	0.750	0.875	1.063	1.250	1.500	1.875	2.250	2.500	3.000	3.625	4.312	5.500
	Wt (lb)	0.09	0.11	0.16	0.29	0.42	0.59	1.07	1.30	2.13	3.14	4.14	7.30
Pipe Caps	A	0.705	0.705	0.705	0.765	0.875	1.045	1.045	1.105	1.265	1.395	1.515	1.765
	B	0.750	0.875	1.062	1.250	1.500	1.875	2.250	2.500	3.000	3.625	4.312	5.500
	Wt (lb)	0.07	0.09	0.12	0.22	0.36	0.48	0.91	1.30	1.88	2.74	4.27	7.40

CLASS 6000 FORGED SOCKET WELD FITTINGS

Specification: ASME B16.11

Class 6000 Socket Weld Fittings Dimensions



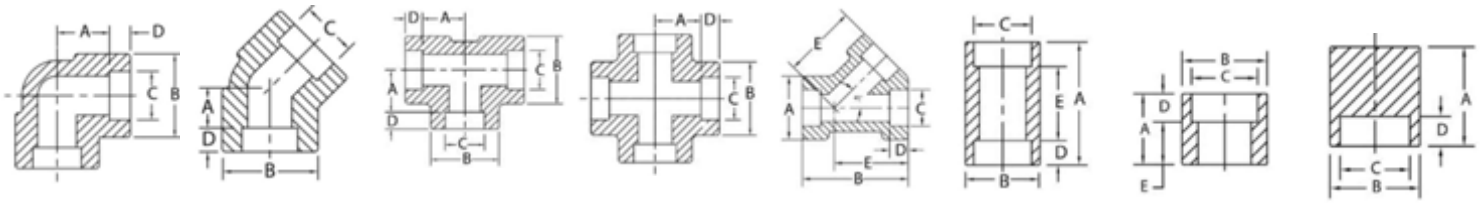
FITTING TYPE	DIM	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
90° Elbow	A	0.440	0.530	0.620	0.750	0.880	1.060	1.250	1.500	1.620	2.250*	2.500*	2.875*
	B	1.040	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.310	4.000	4.750	6.000
	Wt (lb)	0.25	0.35	0.68	0.88	1.38	2.63	3.00	5.31	6.00	10.47	18.84	31.54
45° Elbow	A	0.310	0.310	0.440	0.500	0.560	0.690	0.810	1.000	1.120	1.125*	1.250*	-
	B	1.040	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.310	4.000	4.750	-
	Wt (lb)	0.20	0.30	0.30	0.68	1.14	2.03	2.25	4.22	5.03	7.00	15.00	-
Tees	A	0.440	0.530	0.620	0.750	0.880	1.060	1.250	1.500	1.620	2.250*	2.500*	2.875*
	B	1.040	1.040	1.310	1.500	1.810	2.250	2.500	3.030	3.310	4.000	4.750	6.000
	Wt (lb)	0.35	0.35	0.42	1.16	1.94	3.17	3.95	7.13	7.72	15.30	23.10	34.90
Couplings	A	1.025	1.025	1.025	1.095	1.335	1.415	1.415	1.415	1.905	1.865*	1.865*	2.125*
	B	0.875	1.000	1.125	1.375	1.688	2.000	2.500	2.750	3.500	4.250	5.000	6.000
	Wt (lb)	0.09	0.16	0.28	0.51	0.70	1.40	1.59	2.58	4.58	6.14	7.10	13.70
Pipe Caps	A	0.765	0.765	0.765	0.825	0.955	1.075	1.075	1.135	1.395	1.515*	1.635*	2.015*
	B	0.875	1.000	1.125	1.375	1.688	2.000	2.500	2.750	3.500	4.250	5.000	6.000
	Wt (lb)	0.12	0.25	0.19	0.42	0.58	1.16	1.40	2.14	3.62	4.90	7.60	12.75

** Sizes marked with asterisk are not strictly covered by ASME B16.11 standard.*

CLASS 9000 FORGED SOCKET WELD FITTINGS

Specification: ASME B16.11 | High Pressure Applications

Class 9000 Socket Weld Dimensions



FITTING TYPE	DIM	1/4"*	3/8"*	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"*	3"*
90° Elbow	A	0.687	0.880	1.000	1.120	1.250	1.380	1.500	2.120	2.500	2.937
	B	1.310	1.500	1.810	2.250	2.500	3.030	3.310	3.690	4.750	5.750
	Wt (lb)	0.59	1.10	1.44	2.25	4.09	5.81	6.69	12.00	13.00	N/A
45° Elbow	A	0.440	0.562	0.620	0.750	0.810	0.880	1.000	1.120	1.312	-
	B	1.312	1.500	1.812	2.250	2.500	3.030	3.312	3.680	4.750	-
	Wt (lb)	N/A	0.90	1.42	2.06	2.50	5.00	6.51	10.44	N/A	-
Tees	A	0.687	0.880	1.000	1.120	1.250	1.380	1.500	2.120	-	-
	B	1.310	1.500	1.810	2.250	2.500	3.030	3.310	3.690	-	-
	Wt (lb)	N/A	N/A	2.37	4.00	5.35	7.44	7.88	8.75	-	-
Couplings	A	1.030	1.030	1.090	1.330	1.410	1.410	1.410	1.900	-	-
	B	1.250	1.380	1.690	2.000	2.500	2.750	3.000	3.620	-	-
	Wt (lb)	0.50	0.53	0.85	0.91	1.65	1.85	2.00	3.51	-	-

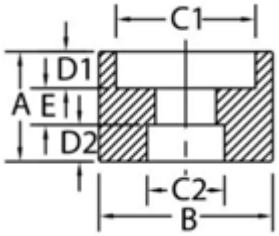
** Sizes marked with asterisk are not covered by ASME B16.11 standard.*

SOCKET WELD REDUCING COUPLINGS

Specification: ASME B16.11

Class 3000 Socket Weld Reducing Couplings

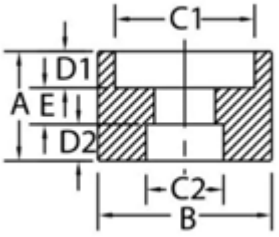




PIPE SIZE	A (LENGTH)	B (OD)	C1 (LARGE BORE)	C2 (SMALL BORE)	D1 / D2 (DEPTH)	E (THK)	APPROX WT (LB)
1/4" x 1/8"	1.030	0.875	.555/.575	.420/.430	0.395	0.250	0.18
3/8" x 1/8"	1.030	1.063	.690/.710	.420/.430	0.395	0.250	0.18
3/8" x 1/4"	1.030	1.063	.690/.710	.555/.575	0.395	0.250	0.18
1/2" x 1/4"	1.095	1.250	.855/.875	.555/.575	0.395	0.380	0.26
3/4" x 1/2"	1.335	1.500	1.065/1.085	.855/.875	0.515	0.380	0.41
1" x 3/4"	1.415	1.875	1.330/1.350	1.065/1.085	0.515	0.500	0.65
1-1/4" x 1"	1.415	2.250	1.675/1.695	1.330/1.350	0.515	0.500	0.82
1-1/2" x 1-1/4"	1.415	2.500	1.915/1.935	1.675/1.695	0.515	0.500	0.92
2" x 1-1/2"	1.905	3.000	2.406/2.426	1.915/1.935	0.635	0.750	1.62
2-1/2" x 2"	1.865	3.625	2.906/2.931	2.406/2.426	0.635	0.750	2.61
3" x 2-1/2"	1.865	4.312	3.535/3.550	2.906/2.931	0.635	0.750	3.13
4" x 3"	2.125	5.500	4.545/4.570	3.535/3.550	0.765	0.750	5.17

Class 6000 Socket Weld Reducing Couplings



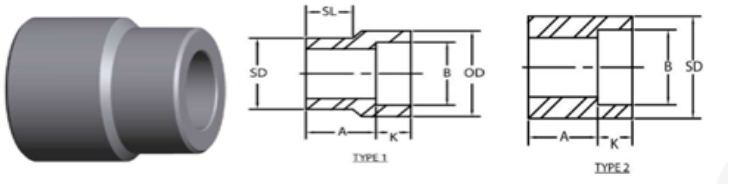


PIPE SIZE	A (LENGTH)	B (OD)	C1 (LARGE BORE)	C2 (SMALL BORE)	D1 / D2	E	APPROX WT (LB)
1/4" x 1/8"	1.025	1.000	.555/.575	.420/.430	0.395	0.250	0.09
3/8" x 1/4"	1.025	1.125	.690/.710	.555/.575	0.395	0.250	0.22
1/2" x 3/8"	1.095	1.375	.855/.875	.690/.710	0.395	0.380	0.37
3/4" x 1/2"	1.335	1.750	1.065/1.085	.855/.875	0.515	0.380	0.62
1" x 3/4"	1.415	2.000	1.330/1.350	1.065/1.085	0.515	0.500	0.86
1-1/2" x 1"	1.415	2.750	1.915/1.935	1.330/1.350	0.515	0.500	1.47
2" x 1-1/2"	1.905	3.500	2.406/2.426	1.915/1.935	0.635	0.750	3.66
2-1/2" x 2"*	1.865	4.250	2.906/2.931	2.406/2.426	0.635	0.750	4.90

UNIONS, REDUCER INSERTS & SPECIALTY FITTINGS

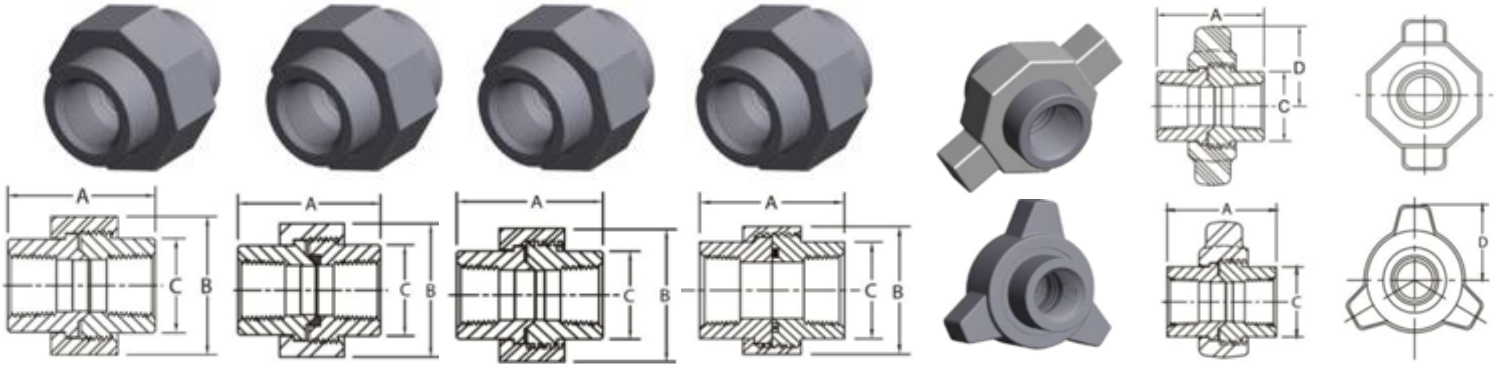
Forged Steel Reducer Inserts (MSS SP-97)

Available in Class 3000 & Class 6000 | Socket Weld Configuration



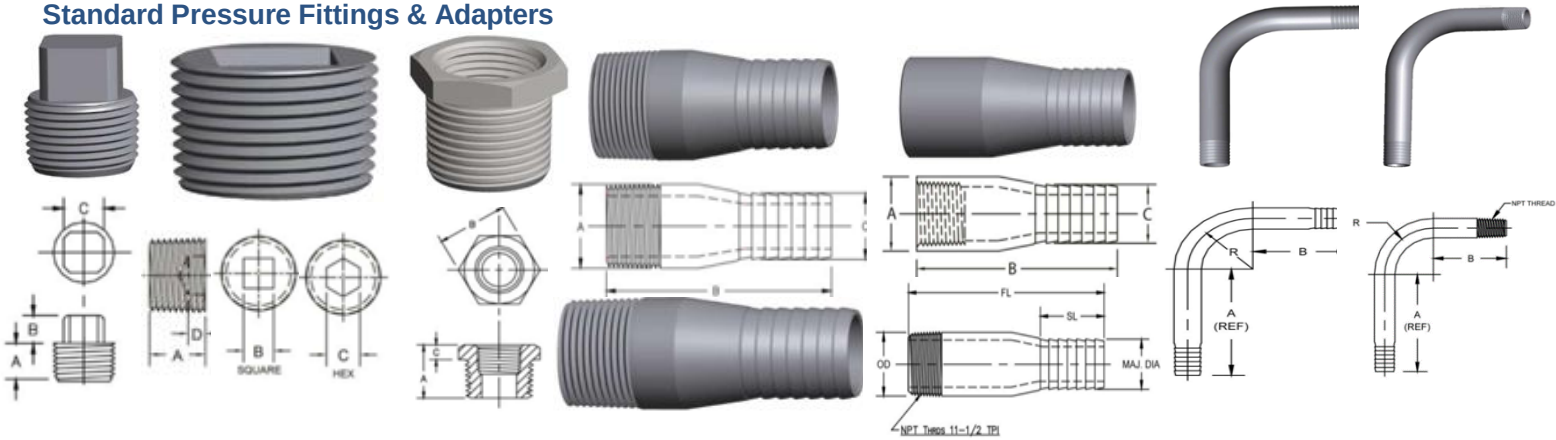
Reducer Inserts enable quick, reliable pipe diameter reduction within existing socket weld fitting hubs without requiring complex piping modifications.

Class 3000 & Class 6000 Forged Steel Unions (X-Series)



UNION TYPE	PRESSURE RATING	CONNECTION TYPES	AVAILABLE SIZES
Threaded Unions	Class 3000 / 6000	NPT / Threaded Female	1/8" to 3"
Threaded Lug Unions	Class 3000 / 6000	Threaded with Hammer Lug Nut	1/2" to 3"
Threaded O-Ring Unions	Class 3000	Threaded with O-Ring Seal	1/2" to 2"
Socket Weld Unions	Class 3000 / 6000	Socket Weld Ends	1/8" to 3"
Socket Weld Lug Unions	Class 3000 / 6000	Socket Weld with Lug Nut	1/2" to 3"
High Speed O-Ring Unions	Class 3000	Socket Weld / Quick Release	1/2" to 2"

Standard Pressure Fittings & Adapters



CATEGORY	FITTING TYPES OFFERED
Standard Pressure Plugs & Caps	Square Head Plugs, Hex Countersunk Plugs, Hex Bushings, Pipe Caps
Serrated Adapters & Insert Couplings	Serrated Male Adapters, Serrated Female Adapters, Serrated Insert Couplings, Serrated Male Venturi, Serrated Well Seal Elbows (Both Ends Serrated & Serrated x NPT)

QUALITY ASSURANCE & TESTING: All products undergo rigorous dimensional inspection, hydrostatic pressure testing, and chemical/mechanical material verification in compliance with ISO 9001:2015, EIL, and IBR standards. Test certificates (MTC 3.1) are provided with all shipments.

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