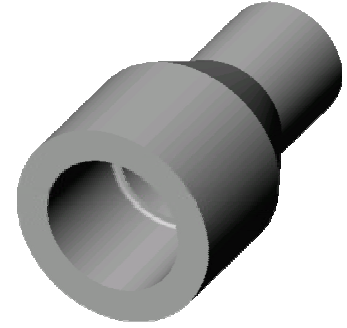
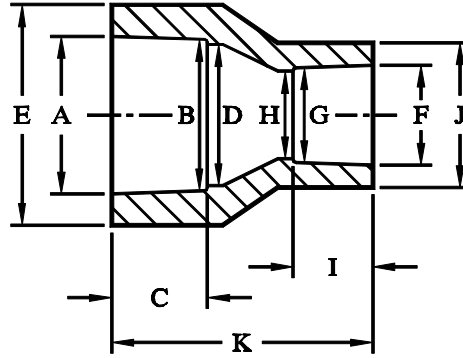


REDUCERS

(SOCKET) IPS & CTS

SOCKET FUSION FITTINGS

FOR REFERENCE ONLY



NOMINAL SIZE	A DIAMETER	B DIAMETER	C DEPTH	D I.D.	E O.D.	F DIAMETER	G DIAMETER	H I.D.	I DEPTH	J O.D.	K O.A.L.
1/2" IPS x 1/2" CTS	.810 ^{+0.005} _{-.010}	.804 ^{+0.005} _{-.026}	.650	.687	1.187	.585 ^{+0.010} _{-.007}	.575 ^{+0.010} _{-.007}	.516	.650	1.070	1.85
	20.57mm	20.42mm	16.51mm	17.45mm	30.16mm	14.86mm	14.61mm	13.11mm	16.51mm	27.18mm	47.0mm
3/4" CTS x 1/2" CTS	.835 ±.010	.825 ±.010	.650	.800	1.187	.585 ^{+0.010} _{-.007}	.575 ^{+0.010} _{-.007}	.516	.650	1.070	1.85
	21.21mm	20.96mm	16.51mm	20.32mm	30.16mm	14.86mm	14.61mm	13.11mm	16.51mm	27.18mm	47.0mm
3/4" IPS x 1/2" CTS	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.687	.875	1.437	.585 ^{+0.010} _{-.007}	.575 ^{+0.010} _{-.007}	.557	.650	1.070	1.85
	20.57mm	20.42mm	17.45mm	22.23mm	36.50mm	14.86mm	14.61mm	14.15mm	16.51mm	27.18mm	47.0mm
3/4" IPS x 1/2" IPS	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.687	.687	1.437	.810 ^{+0.005} _{-.010}	.804 ^{+0.005} _{-.026}	.687	.650	1.187	1.85
	20.57mm	20.42mm	17.45mm	17.46mm	36.50mm	20.57mm	20.42mm	17.45mm	16.51mm	30.16mm	47.0mm
1" CTS x 1/2" CTS	1.075 ±.008	1.070 ^{+0.008} _{-.012}	.750	.875	1.450	.585 ^{+0.010} _{-.007}	.575 ^{+0.010} _{-.007}	.516	.650	1.070	1.85
	27.31mm	27.18mm	19.50mm	22.33mm	36.83mm	14.86mm	14.61mm	13.11mm	16.51mm	27.18mm	47.0mm
1" CTS x 1/2" IPS	1.075 ±.008	1.070 ^{+0.008} _{-.012}	.650	.750	1.437	.810 ^{+0.005} _{-.010}	.804 ^{+0.005} _{-.026}	.687	.650	1.187	1.85
	27.31mm	27.18mm	16.51mm	19.50mm	36.50mm	20.57mm	20.42mm	17.45mm	16.51mm	30.16mm	47.0mm
1" CTS x 3/4" CTS	1.075 ±.008	1.070 ^{+0.008} _{-.012}	.687	.954	1.450	.835 ±.010	.825 ±.010	.793	.687	1.187	1.85
	27.31mm	27.18mm	17.45mm	24.23mm	36.83mm	21.21mm	20.95mm	20.14mm	17.45mm	30.16mm	47.0mm
1" CTS x 3/4" IPS	1.075 ±.008	1.070 ^{+0.008} _{-.012}	.813	.875	1.450	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.875	.700	1.450	2.20
	27.31mm	27.18mm	20.65mm	22.33mm	36.83mm	20.57mm	20.42mm	22.23mm	17.78mm	36.83mm	55.9mm
1" IPS x 1/2" CTS	1.275 ±.008	1.267 ±.008	.750	1.125	1.812	.585 ^{+0.010} _{-.007}	.575 ^{+0.010} _{-.007}	.516	.650	1.187	2.09
	32.39mm	32.18mm	19.50mm	28.58mm	46.04mm	14.86mm	14.61mm	13.11mm	16.51mm	30.16mm	53.1mm
1" IPS x 1/2" IPS	1.275 ±.008	1.267 ±.008	.781	1.160	1.812	.810 ^{+0.005} _{-.010}	.804 ^{+0.005} _{-.026}	.718	.650	1.437	2.13
	32.39mm	32.18mm	19.84mm	29.46mm	46.04mm	20.57mm	20.42mm	18.24mm	16.51mm	36.50mm	54.1mm
1" IPS x 3/4" IPS	1.275 ±.008	1.267 ±.008	.750	1.125	1.812	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.875	.687	1.437	2.00
	32.39mm	32.18mm	19.50mm	28.58mm	46.04mm	20.57mm	20.42mm	22.23mm	17.45mm	36.50mm	50.8mm
1" IPS x 1" CTS	1.275 ±.008	1.267 ±.008	.750	1.125	1.812	1.075 ±.008	1.070 ^{+0.008} _{-.012}	.937	.687	1.437	2.00
	32.39mm	32.18mm	19.50mm	28.58mm	46.04mm	27.31mm	27.18mm	23.8mm	17.45mm	36.50mm	50.8mm
1 1/4" IPS x 1/2" IPS	1.620 ±.008	1.612 ^{+0.008} _{-.016}	.980	.720	2.250	.810 ^{+0.005} _{-.010}	.804 ^{+0.005} _{-.026}	.730	.650	1.187	2.31
	41.15mm	40.94mm	24.89mm	18.29mm	57.15mm	27.31mm	20.42mm	18.54mm	17.45mm	30.16mm	58.7mm
1 1/4" IPS x 3/4" IPS	1.620 ±.008	1.612 ^{+0.008} _{-.016}	.980	1.437	2.250	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.875	.725	1.437	2.25
	41.15mm	40.94mm	24.89mm	36.50mm	57.15mm	20.57mm	20.42mm	22.23mm	18.42mm	36.50mm	57.2mm
1 1/4" IPS x 1" CTS	1.620 ±.008	1.612 ^{+0.008} _{-.016}	.980	1.437	2.250	1.020 ±.008	1.070 ^{+0.008} _{-.012}	.875	.750	1.437	2.19
	41.15mm	40.94mm	24.89mm	36.50mm	57.15mm	20.57mm	27.18mm	22.23mm	19.50mm	36.50mm	55.6mm
1 1/4" IPS x 1" IPS	1.620 ±.008	1.612 ^{+0.008} _{-.016}	.970	1.437	2.250	1.275 ±.008	1.267 ±.008	1.125	.800	1.812	2.25
	41.15mm	40.94mm	24.64mm	36.50mm	57.15mm	32.39mm	32.18mm	28.58mm	20.32mm	46.04mm	57.2mm
1 1/2" IPS x 3/4" IPS	1.860 ±.010	1.849 ^{+0.010} _{-.020}	.937	1.687	2.562	1.020 ±.008	1.012 ^{+0.008} _{-.012}	.875	.750	1.437	2.19
	47.24mm	46.96mm	23.80mm	42.85mm	65.07mm	20.57mm	20.42mm	22.23mm	19.50mm	36.50mm	55.6mm
1 1/2" IPS x 1" CTS	1.860 ±.010	1.849 ^{+0.010} _{-.020}	.937	1.687	2.562	1.020 ±.008	1.070 ^{+0.008} _{-.012}	.875	.875	1.437	2.19
	47.24mm	46.96mm	23.80mm	42.85mm	65.07mm	20.57mm	27.18mm	22.23mm	22.33mm	36.50mm	55.6mm
1 1/2" IPS x 1" IPS	1.860 ±.010	1.849 ^{+0.010} _{-.020}	.937	1.687	2.562	1.275 ±.008	1.267 ±.008	1.125	.750	1.812	2.19
	47.24mm	46.96mm	23.80mm	42.85mm	65.07mm	32.39mm	32.18mm	28.58mm	19.50mm	46.04mm	55.6mm

REDUCERS

SOCKET FUSION FITTINGS

(SOCKET) IPS & CTS

1 1/2" IPS x 1 1/4" IPS	1.860 ±.010	1.849 ^{+0.010} _{-.020}	.970	1.687	2.562	1.620 ±.008	1.612 ^{+0.008} _{-.016}	1.520	.970	2.300	2.16
	47.24mm	46.96mm	24.64mm	42.85mm	65.07mm	41.15mm	40.94mm	38.61mm	24.64mm	58.42mm	55.9mm
2" IPS x 1" IPS	2.335 ±.010	2.324 ^{+0.010} _{-.020}	.980	2.093	3.270	1.275 ±.008	1.267 ±.008	1.125	.775	1.812	2.50
	59.31mm	59.03mm	24.89mm	53.16mm	83.06mm	32.39mm	32.18mm	28.58mm	19.69mm	46.04mm	63.5mm
2" IPS x 1 1/4" IPS	2.335 ±.010	2.324 ^{+0.010} _{-.020}	.970	2.187	3.290	1.620 ±.008	1.612 ^{+0.008} _{-.016}	1.437	.937	2.250	2.56
	59.31mm	59.03mm	24.64mm	55.55mm	83.57mm	41.15mm	40.94mm	36.50mm	23.80mm	57.15mm	65.0mm
2" IPS x 1 1/2" IPS	2.335 ±.010	2.324 ^{+0.010} _{-.020}	.970	2.187	3.270	1.860 ±.010	1.849 ^{+0.010} _{-.020}	1.687	.937	2.262	2.56
	59.31mm	59.03mm	24.64mm	55.55mm	83.06mm	47.24mm	46.96mm	42.85mm	23.80mm	57.45mm	65.0mm
3" IPS x 2" IPS	3.455 ±.015	3.439 ^{+0.015} _{-.025}	1.188	3.218	5.062	2.335 ±.010	2.324 ^{+0.010} _{-.020}	2.093	.970	3.270	3.16
	87.76mm	46.96mm	30.18mm	81.73mm	128.58mm	59.31mm	59.03mm	53.16mm	24.64mm	83.06mm	80.3mm
4" IPS x 2" IPS	4.450 ±.015	4.434 ^{+0.015} _{-.035}	1.313	4.187	6.437	2.335 ±.010	2.324 ^{+0.010} _{-.020}	2.093	.970	3.270	4.06
	87.76mm	46.96mm	33.35mm	106.35mm	163.50mm	59.31mm	59.03mm	53.16mm	24.64mm	83.06mm	103.1mm
4" IPS x 3" IPS	4.450 ±.015	4.434 ^{+0.015} _{-.035}	1.313	4.187	6.437	3.455 ±.015	3.439 ^{+0.015} _{-.025}	3.187	1.188	5.062	4.50
	87.76mm	46.96mm	33.35mm	106.35mm	163.50mm	87.76mm	46.96mm	80.95mm	30.18mm	128.58mm	114.3mm