

## Reducers Concentric & Eccentric

Size / Sch	Carbon Steel & Alloy Steel									
	STD	XS	XXS	S40	S80	S120	S160	S10	S20	S30
3/4 x 1/2	0.059	0.075	-	0.059	0.075	-	0.150	-	-	-
1 x 3/4	0.116	0.147	0.246	0.116	0.147	-	0.194	-	-	-
x 1/2	0.105	0.133	0.215	0.105	0.133	-	0.174	-	-	-
1-1/4 x 1	0.157	0.206	0.350	0.157	0.206	-	0.257	-	-	-
x 3/4	0.143	0.187	0.310	0.143	0.187	-	0.232	-	-	-
x 1/2	0.132	0.171	0.279	0.132	0.171	-	0.211	-	-	-
1-1/2 x 1-1/4	0.243	0.324	0.567	0.243	0.324	-	0.429	-	-	-
x 1	0.219	0.291	0.500	0.219	0.291	-	0.382	-	-	-
x 3/4	0.201	0.266	0.449	0.201	0.266	-	0.379	-	-	-
x 1/2	0.199	0.245	0.407	0.199	0.245	-	0.319	-	-	-
2 x 1-1/2	0.372	0.508	0.909	0.372	0.508	-	0.752	-	-	-
x 1-1/4	0.352	0.479	0.851	0.352	0.479	-	0.706	-	-	-
x 1	0.322	0.438	0.765	0.322	0.438	-	0.640	-	-	-
x 3/4	0.300	0.406	0.699	0.300	0.406	-	0.588	-	-	-
x 1/2	0.300	0.406	0.500	0.300	0.406	-	0.400	-	-	-
2-1/2 x 2	0.724	0.946	1.680	0.724	0.946	-	1.230	-	-	-
x 1-1/2	0.661	0.861	1.510	0.661	0.861	-	1.120	-	-	-
x 1-1/4	0.630	0.820	1.420	0.630	0.820	-	1.060	-	-	-
x 1	0.585	0.760	1.300	0.585	0.760	-	0.977	-	-	-
3 x 2-1/2	0.933	1.250	2.250	0.933	1.250	-	1.750	-	-	-
x 2	0.846	1.130	2.010	0.846	1.130	-	1.570	-	-	-
x 1-1/2	0.783	1.040	1.830	0.783	1.040	-	1.440	-	-	-
x 1-1/4	0.753	0.956	1.750	0.753	0.956	-	1.380	-	-	-
x 1	0.700	0.900	1.600	0.700	0.900	-	1.200	-	-	-
3-1/2 x 3	1.280	1.770	2.800	1.280	1.770	-	2.640	-	-	-
x 2-1/2	1.230	1.650	2.760	1.230	1.650	-	2.450	-	-	-
x 2	1.100	1.510	2.540	1.100	1.510	-	2.210	-	-	-
x 1-1/2	1.020	1.410	2.400	1.020	1.410	-	2.050	-	-	-
x 1-1/4	0.988	1.350	2.350	0.988	1.350	-	2.100	-	-	-
4 x 3-1/2	1.540	2.140	3.760	1.540	2.140	-	3.200	-	-	-
x 3	1.450	2.020	3.650	1.450	2.020	-	3.010	-	-	-
x 2-1/2	1.370	1.900	3.410	1.370	1.900	-	2.820	-	-	-
x 2	1.270	1.760	3.110	1.270	1.760	-	2.590	-	-	-
x 1-1/2	1.190	1.650	2.900	1.190	1.650	-	2.420	-	-	-
5 x 4	2.500	3.520	6.470	2.500	3.520	4.570	5.570	-	-	-
x 3-1/2	2.380	3.340	6.200	2.380	3.340	-	5.270	-	-	-
x 3	2.270	3.180	5.780	2.270	3.180	-	5.000	-	-	-
x 2-1/2	2.160	3.020	5.460	2.160	3.020	-	4.730	-	-	-
x 2	2.030	2.830	5.300	2.030	2.830	-	4.400	-	-	-
6 x 5	3.570	5.380	9.890	3.570	5.380	6.830	8.450	-	-	-
x 4	3.300	4.960	8.980	3.300	4.960	6.280	7.750	-	-	-
x 3-1/2	3.170	4.760	8.400	3.170	4.760	-	7.410	-	-	-
x 3	3.040	4.560	8.210	3.040	4.560	-	7.080	-	-	-
x 2-1/2	2.920	4.360	7.830	2.920	4.360	-	6.750	-	-	-
8 x 6	5.710	8.630	14.30	5.710	8.630	11.70	14.70	-	5.710	-
x 5	5.400	8.140	13.40	5.400	8.140	11.30	13.80	-	5.400	-
x 4	5.100	7.680	12.60	5.100	7.680	10.60	12.90	-	5.100	-
x 3-1/2	4.970	7.460	-	4.970	7.460	-	12.60	-	4.970	-
10 x 8	9.580	12.90	25.00	9.580	15.20	21.30	27.00	-	9.580	9.580
x 6	8.780	11.80	22.70	8.780	13.90	19.30	24.50	-	8.780	-
x 5	8.420	11.30	21.50	8.420	13.30	18.10	23.30	-	8.420	-
x 4	8.060	10.80	20.50	8.060	12.70	17.30	22.10	-	8.060	-
12 x 10	13.60	18.00	34.50	14.70	24.20	34.00	43.60	-	13.60	13.60
x 8	12.80	16.70	32.20	13.70	22.50	31.70	40.30	-	12.70	12.80
x 6	12.60	15.60	30.00	12.80	20.90	29.40	37.20	-	12.40	-
x 5	12.50	15.00	28.70	12.30	20.20	28.30	35.70	-	12.30	-
14 x 12	25.40	33.60	-	29.50	49.30	70.10	87.70	-	25.40	25.40
x 10	23.60	31.20	-	27.40	45.70	64.70	80.90	-	23.60	23.60
x 8	21.80	28.90	-	25.40	42.20	59.70	74.30	-	21.80	21.80
x 6	20.20	26.60	-	23.40	38.80	54.80	67.90	-	20.20	-
16 x 14	31.00	41.10	-	41.10	65.80	95.00	121.0	31.00	31.00	31.00
x 12	29.60	39.20	-	39.20	64.50	90.40	115.0	-	29.50	29.50
x 10	27.80	36.80	-	36.80	60.30	84.40	107.0	-	27.70	27.70
x 8	24.80	34.40	-	34.90	54.40	78.60	99.50	-	26.30	26.30
18 x 16	37.80	50.10	-	56.20	91.40	130.0	164.0	37.80	37.80	50.10
x 14	35.70	47.40	-	53.10	86.20	123.0	155.0	35.70	35.70	47.40
x 12	34.30	45.50	-	50.20	82.70	118.0	148.0	-	33.70	45.50
x 10	32.40	43.00	-	46.80	77.90	111.0	139.0	-	31.50	43.00
20 x 18	56.40	74.90	-	88.40	150.0	212.0	271.0	56.50	56.50	74.90
x 16	53.50	71.10	-	83.60	142.0	201.0	256.0	36.10	53.70	71.10
x 14	50.80	67.40	-	81.70	135.0	190.0	242.0	34.20	50.90	67.40
x 12	50.00	62.10	-	75.30	129.0	182.0	231.0	-	46.90	62.10
22 x 20	62.60	82.90	-	103.0	181.0	255.0	324.0	42.00	62.60	82.90
x 18	59.70	79.20	-	98.40	173.0	243.0	308.0	40.10	59.70	79.20
x 16	57.10	75.60	-	93.90	164.0	231.0	293.0	38.30	57.10	75.60
x 14	56.00	72.10	-	89.60	157.0	219.0	278.0	36.50	54.50	72.10
24 x 22	68.60	91.00	-	124.0	215.0	310.0	391.0	46.00	68.60	124.0
x 20	65.70	87.30	-	119.0	206.0	297.0	374.0	44.10	65.80	119.0
x 18	63.00	83.70	-	114.0	197.0	284.0	357.0	42.40	63.20	114.0
x 16	60.40	80.00	-	109.0	189.0	271.0	341.0	40.50	60.30	109.0