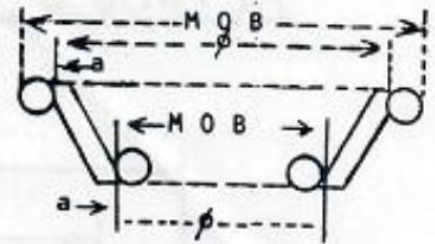


Obtuse Dimensions

CALCULATED DIMENSIONS FOR MEASUREMENT OVER BALLS
(Add or Subtract from Part Diameter)

Obtuse Angles ($90^\circ + a^\circ$)



BALL DIAMETERS

a°	.0625	.1250	.2500	.3750	.5000	.6250	.7500	.8750	1.0000
0	.1250	.2500	.5000	.7500	1.0000	1.2500	1.5000	1.7500	2.0000
1	.1239	.2478	.4956	.7435	.9913	1.2391	1.4870	1.7348	1.9827
2	.1228	.2457	.4914	.7371	.9828	1.2285	1.4742	1.7199	1.9656
3	.1218	.2436	.4872	.7308	.9744	1.2181	1.4617	1.7053	1.9489
4	.1207	.2415	.4831	.7246	.9662	1.2078	1.4493	1.6909	1.9325
5	.1197	.2395	.4790	.7186	.9581	1.1977	1.4372	1.6767	1.9163
6	.1187	.2375	.4751	.7126	.9502	1.1877	1.4253	1.6628	1.9004
7	.1177	.2355	.4711	.7067	.9423	1.1779	1.4135	1.6491	1.8847
8	.1168	.2336	.4673	.7009	.9346	1.1683	1.4019	1.6356	1.8692
9	.1158	.2317	.4635	.6952	.9270	1.1588	1.3905	1.6223	1.8540
10	.1149	.2298	.4597	.6896	.9195	1.1494	1.3793	1.6092	1.8391
11	.1140	.2280	.4560	.6841	.9121	1.1402	1.3682	1.5962	1.8243
12	.1131	.2262	.4524	.6786	.9048	1.1311	1.3573	1.5835	1.8097
13	.1122	.2244	.4488	.6732	.8977	1.1221	1.3465	1.5710	1.7954
14	.1113	.2226	.4453	.6679	.8906	1.1133	1.3359	1.5586	1.7812
15	.1104	.2209	.4418	.6627	.8836	1.1045	1.3254	1.5464	1.7673
16	.1095	.2191	.4383	.6575	.8767	1.0959	1.3151	1.5343	1.7535
17	.1087	.2174	.4349	.6524	.8699	1.0874	1.3049	1.5224	1.7399
18	.1079	.2158	.4316	.6474	.8632	1.0790	1.2949	1.5107	1.7265
19	.1070	.2141	.4283	.6424	.8566	1.0708	1.2849	1.4991	1.7132
20	.1062	.2125	.4250	.6375	.8501	1.0626	1.2751	1.4876	1.7002
21	.1054	.2109	.4218	.6327	.8436	1.0545	1.2654	1.4763	1.6872
22	.1046	.2093	.4186	.6279	.8372	1.0465	1.2558	1.4651	1.6745
23	.1038	.2077	.4154	.6232	.8309	1.0386	1.2464	1.4541	1.6618
24	.1030	.2061	.4123	.6185	.8247	1.0308	1.2370	1.4432	1.6494
25	.1023	.2046	.4092	.6139	.8185	1.0231	1.2278	1.4324	1.6370
26	.1015	.2031	.4062	.6093	.8124	1.0155	1.2186	1.4217	1.6248
27	.1008	.2016	.4032	.6048	.8064	1.0080	1.2096	1.4112	1.6128
28	.1000	.2001	.4002	.6003	.8004	1.0005	1.2006	1.4007	1.6008
29	.0993	.1986	.3972	.5958	.7945	.9931	1.1917	1.3904	1.5890
30	.0985	.1971	.3943	.5915	.7886	.9858	1.1830	1.3801	1.5773
31	.0978	.1957	.3914	.5871	.7828	.9786	1.1743	1.3700	1.5657
32	.0971	.1942	.3885	.5828	.7771	.9714	1.1657	1.3600	1.5543
33	.0964	.1928	.3857	.5786	.7714	.9643	1.1572	1.3500	1.5429
34	.0957	.1914	.3829	.5743	.7658	.9573	1.1487	1.3402	1.5317
35	.0950	.1900	.3801	.5702	.7602	.9503	1.1404	1.3304	1.5205
36	.0943	.1886	.3773	.5660	.7547	.9434	1.1321	1.3208	1.5095
37	.0936	.1873	.3746	.5619	.7492	.9366	1.1239	1.3112	1.4985
38	.0929	.1859	.3719	.5578	.7438	.9298	1.1157	1.3017	1.4877
39	.0923	.1846	.3692	.5538	.7384	.9231	1.1077	1.2923	1.4769
40	.0916	.1832	.3665	.5498	.7331	.9164	1.0997	1.2830	1.4663
41	.0909	.1819	.3639	.5458	.7278	.9098	1.0917	1.2737	1.4557
42	.0903	.1806	.3613	.5419	.7226	.9032	1.0839	1.2645	1.4452
43	.0896	.1793	.3587	.5380	.7174	.8967	1.0761	1.2554	1.4348
44	.0890	.1780	.3561	.5341	.7122	.8902	1.0683	1.2464	1.4244
45	.0883	.1767	.3535	.5303	.7071	.8838	1.0606	1.2374	1.4142