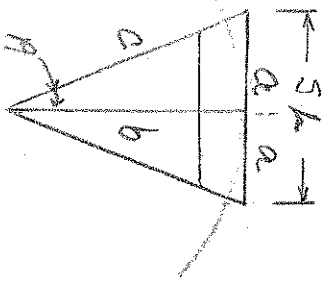


SEGMENTED BOWL DESIGN

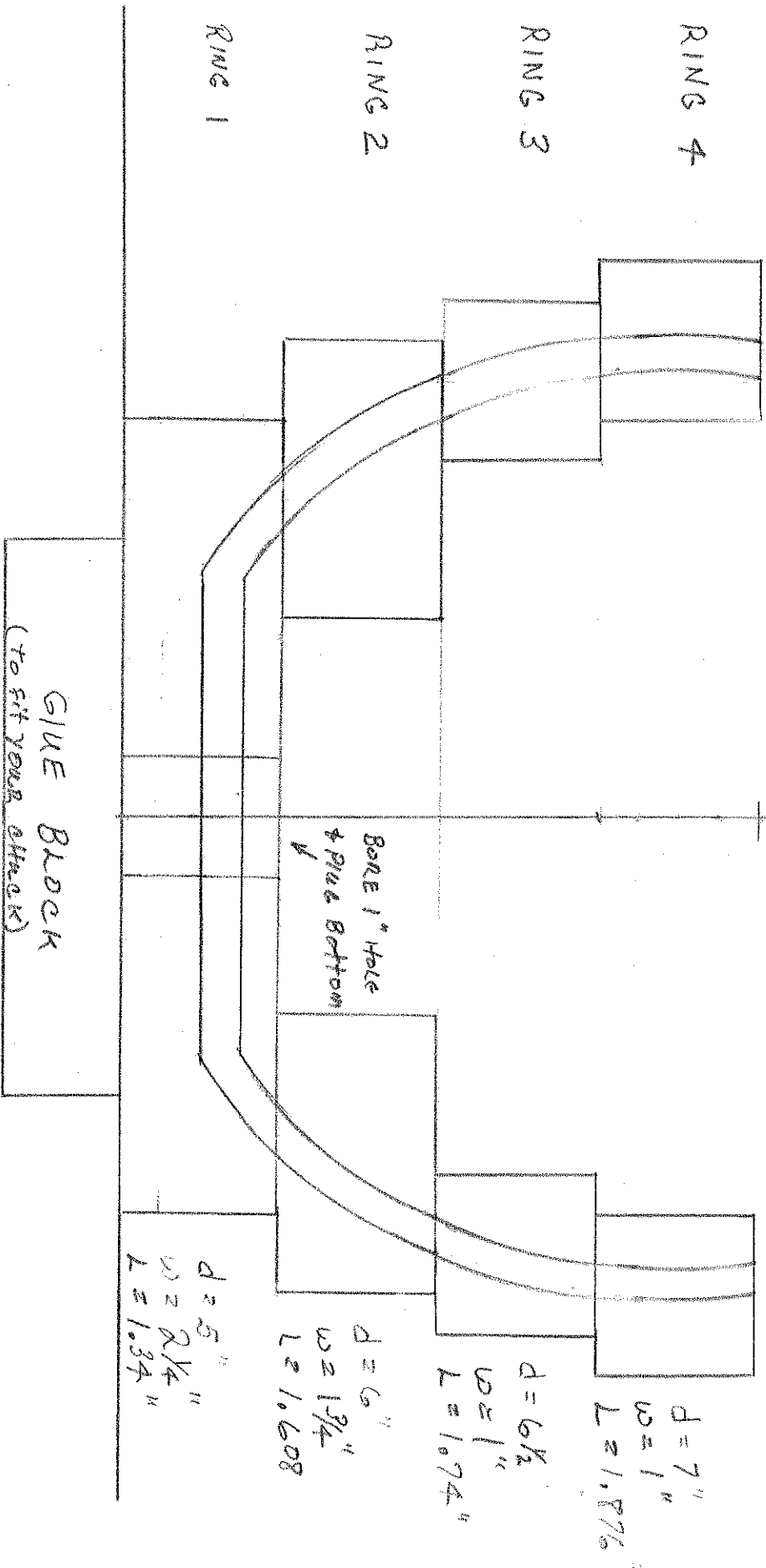


Segment Length $SL = 2a = 2L \tan A$

ANGLE = $180 \div \text{NO OF SEGMENTS}$ For 12 segments - $\text{ANGLE} = 180 \div 12 = 15^\circ$

$\tan 15^\circ = 0.2679492$

$SL \text{ For } 7" \text{ wide} = 0.2679492 \times 3.5 \times 2 = 1.876"$



$D = 7"$
 $W = 1"$
 $L = 1.876"$

$D = 6 \frac{1}{2}"$
 $W = 1"$
 $L = 1.74"$

$D = 5"$
 $W = 1 \frac{3}{4}"$
 $L = 1.608"$

$D = 5"$
 $W = 2 \frac{1}{4}"$
 $L = 1.34"$

GIVE BLOCK
(to fit your attack)

BORE 1" Hole
+ Plus Bottom

Z

Segmented Bowl Length Sheet

No of Sides Angle Circle Size	4		6		8		9		10		12		14		15		16		18		20		22		24	
	45	30	22.5	20	18	15	12.857	12	11.25	10	9	8.1818	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3.000	3.000	1.732	1.243	1.092	0.975	0.804	0.685	0.638	0.597	0.529	0.475	0.431	0.395													
3.500	3.500	2.021	1.450	1.274	1.137	0.938	0.799	0.744	0.696	0.617	0.554	0.503	0.461													
4.000	4.000	2.309	1.657	1.456	1.300	1.072	0.913	0.850	0.796	0.705	0.634	0.575	0.527													
4.500	4.500	2.598	1.864	1.638	1.462	1.206	1.027	0.957	0.895	0.793	0.713	0.647	0.592													
5.000	5.000	2.887	2.071	1.820	1.625	1.340	1.141	1.063	0.995	0.882	0.792	0.719	0.658													
5.500	5.500	3.175	2.278	2.002	1.787	1.474	1.255	1.169	1.094	0.970	0.871	0.791	0.724													
6.000	6.000	3.464	2.485	2.184	1.950	1.608	1.369	1.275	1.193	1.058	0.950	0.863	0.790													
6.500	6.500	3.753	2.692	2.366	2.112	1.742	1.484	1.382	1.293	1.146	1.029	0.935	0.856													
7.000	7.000	4.041	2.899	2.548	2.274	1.876	1.598	1.488	1.392	1.234	1.109	1.006	0.922													
7.500	7.500	4.330	3.107	2.730	2.437	2.010	1.712	1.594	1.492	1.322	1.188	1.078	0.987													
8.000	8.000	4.619	3.314	2.912	2.599	2.144	1.826	1.700	1.591	1.411	1.267	1.150	1.053													
8.500	8.500	4.907	3.521	3.094	2.762	2.278	1.940	1.807	1.691	1.499	1.346	1.222	1.119													
9.000	9.000	5.196	3.728	3.276	2.924	2.412	2.054	1.913	1.790	1.587	1.425	1.294	1.185													
9.500	9.500	5.485	3.935	3.458	3.087	2.546	2.168	2.019	1.890	1.675	1.505	1.366	1.251													
10.000	10.000	5.774	4.142	3.640	3.249	2.679	2.282	2.126	1.989	1.763	1.584	1.438	1.317													
10.500	10.500	6.062	4.349	3.822	3.412	2.813	2.397	2.232	2.089	1.851	1.663	1.510	1.382													
11.000	11.000	6.351	4.556	4.004	3.574	2.947	2.511	2.338	2.188	1.940	1.742	1.582	1.448													
11.500	11.500	6.640	4.763	4.186	3.737	3.081	2.625	2.444	2.287	2.028	1.821	1.653	1.514													
12.000	12.000	6.928	4.971	4.368	3.899	3.215	2.739	2.551	2.387	2.116	1.901	1.725	1.580													
12.500	12.500	7.217	5.178	4.550	4.061	3.349	2.853	2.657	2.486	2.204	1.980	1.797	1.646													
13.000	13.000	7.506	5.385	4.732	4.224	3.483	2.967	2.763	2.586	2.292	2.059	1.869	1.711													
13.500	13.500	7.794	5.592	4.914	4.386	3.617	3.081	2.870	2.685	2.380	2.138	1.941	1.777													
14.000	14.000	8.083	5.799	5.096	4.549	3.751	3.195	2.976	2.785	2.469	2.217	2.013	1.843													
14.500	14.500	8.372	6.006	5.278	4.711	3.885	3.309	3.082	2.884	2.557	2.297	2.085	1.909													
15.000	15.000	8.660	6.213	5.460	4.874	4.019	3.424	3.188	2.984	2.645	2.376	2.157	1.975													
15.500	15.500	8.949	6.420	5.642	5.036	4.153	3.538	3.295	3.083	2.733	2.455	2.229	2.041													
16.000	16.000	9.238	6.627	5.824	5.199	4.287	3.652	3.401	3.183	2.821	2.534	2.300	2.106													
16.500	16.500	9.526	6.835	6.006	5.361	4.421	3.766	3.507	3.282	2.909	2.613	2.372	2.172													
17.000	17.000	9.815	7.042	6.187	5.524	4.555	3.880	3.613	3.382	2.998	2.693	2.444	2.238													
17.500	17.500	10.104	7.249	6.369	5.686	4.689	3.994	3.720	3.481	3.086	2.772	2.516	2.304													
18.000	18.000	10.392	7.456	6.551	5.849	4.823	4.108	3.826	3.580	3.174	2.851	2.588	2.370													
18.500	18.500	10.681	7.663	6.733	6.011	4.957	4.222	3.932	3.680	3.262	2.930	2.660	2.436													
19.000	19.000	10.970	7.870	6.915	6.173	5.091	4.337	4.039	3.779	3.350	3.009	2.732	2.501													
20.000	20.000	11.547	8.284	7.279	6.498	5.359	4.565	4.251	3.978	3.527	3.168	2.876	2.633													