

Myron Curtis

PRELIMINARY CUTS FOR TURNING SPHERES

F.H. Sumption 1993
for Myron W. Curtis

DIMENSIONS of TANGENT CUTS for TURNING SPHERES
SEE TANGENT CUT DRAWING FOR APPLICATION.

FORMULAS A = DIAMETER X .29275 B = DIAMETER X .10767

DIAMETER	A	B	DIAMETER	A	B
1.000	0.293	0.108	1.250	0.366	0.135
1.500	0.439	0.162	1.750	0.512	0.188
2.000	0.586	0.215	2.250	0.659	0.242
2.500	0.732	0.269	2.750	0.805	0.296
3.000	0.878	0.323	3.250	0.951	0.350
3.500	1.025	0.377	3.750	1.098	0.404
4.000	1.171	0.431	4.250	1.244	0.458
4.500	1.317	0.485	4.750	1.391	0.511
5.000	1.464	0.538	5.250	1.537	0.565
5.500	1.610	0.592	5.750	1.683	0.619
6.000	1.757	0.646	6.250	1.830	0.673
6.500	1.903	0.700	6.750	1.976	0.727
7.000	2.049	0.754	7.250	2.122	0.781
7.500	2.196	0.808	7.750	2.269	0.834
8.000	2.342	0.861	8.250	2.415	0.888
8.500	2.488	0.915	8.750	2.562	0.942
9.000	2.635	0.969	9.250	2.708	0.996
9.500	2.781	1.023	9.750	2.854	1.050
10.000	2.928	1.077	10.250	3.001	1.104
10.500	3.074	1.131	10.750	3.147	1.157
11.000	3.220	1.184	11.250	3.293	1.211
11.500	3.367	1.238	11.750	3.440	1.265
12.000	3.513	1.292	12.250	3.586	1.319
12.500	3.659	1.346	12.750	3.733	1.373
13.000	3.806	1.400	13.250	3.879	1.427
13.500	3.952	1.454	13.750	4.025	1.480
14.000	4.099	1.507	14.250	4.172	1.534
14.500	4.245	1.561	14.750	4.318	1.588
15.000	4.391	1.615	15.250	4.464	1.642
15.500	4.538	1.669	15.750	4.611	1.696
16.000	4.684	1.723	16.250	4.757	1.750
16.500	4.830	1.777	16.750	4.904	1.803
17.000	4.977	1.830	17.250	5.050	1.857
17.500	5.123	1.884	17.750	5.196	1.911
18.000	5.269	1.938	18.250	5.343	1.965
18.500	5.416	1.992	18.750	5.489	2.019
19.000	5.562	2.046	19.250	5.635	2.073
19.500	5.709	2.100	19.750	5.782	2.126
20.000	5.855	2.153	20.250	5.928	2.180

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