

# Sizes of Rounds Required to Make Hexagons or Squares

# SPEED-METALS

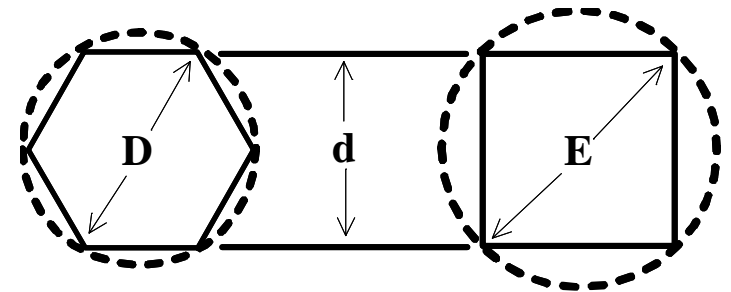
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$$D = 1.1547 \times d$$

$$E = 1.4142 \times d$$



d	D	E	d	D	E	d	D	E	d	D	E	d	D	E
			1.0000	1.1547	1.4142	2.0000	2.3094	2.8284	3.0000	3.4641	4.2426	4.0000	4.6188	5.6568
			1.0313	1.190784	1.458394	2.0313	2.345484	2.872594	3.0313	3.500184	4.286794	4.0313	4.654884	5.700994
			1.0625	1.226869	1.502588	2.0625	2.381569	2.916788	3.0625	3.536269	4.330988	4.0625	4.690969	5.745188
			1.0938	1.262953	1.546781	2.0938	2.417653	2.960981	3.0938	3.572353	4.375181	4.0938	4.727053	5.789381
			1.1250	1.299038	1.590975	2.1250	2.453738	3.005175	3.1250	3.608438	4.419375	4.1250	4.763138	5.833575
			1.1563	1.335122	1.635169	2.1563	2.489822	3.049369	3.1563	3.644522	4.463569	4.1563	4.799222	5.877769
			1.1875	1.371206	1.679363	2.1875	2.525906	3.093563	3.1875	3.680606	4.507763	4.1875	4.835306	5.921963
			1.2188	1.407291	1.723556	2.2188	2.561991	3.137756	3.2188	3.716691	4.551956	4.2188	4.871391	5.966156
0.2500	0.288675	0.35355	1.2500	1.443375	1.76775	2.2500	2.598075	3.18195	3.2500	3.752775	4.59615	4.2500	4.907475	6.01035
0.2813	0.324759	0.397744	1.2813	1.479459	1.811944	2.2813	2.634159	3.226144	3.2813	3.788859	4.640344	4.2813	4.943559	6.054544
0.3125	0.360844	0.441938	1.3125	1.515544	1.856138	2.3125	2.670244	3.270338	3.3125	3.824944	4.684538	4.3125	4.979644	6.098738
0.3438	0.396928	0.486131	1.3438	1.551628	1.900331	2.3438	2.706328	3.314531	3.3438	3.861028	4.728731	4.3438	5.015728	6.142931
0.3750	0.433013	0.530325	1.3750	1.587713	1.944525	2.3750	2.742413	3.358725	3.3750	3.897113	4.772925	4.3750	5.051813	6.187125
0.4063	0.469097	0.574519	1.4063	1.623797	1.988719	2.4063	2.778497	3.402919	3.4063	3.933197	4.817119	4.4063	5.087897	6.231319
0.4375	0.505181	0.618713	1.4375	1.659881	2.032913	2.4375	2.814581	3.447113	3.4375	3.969281	4.861313	4.4375	5.123981	6.275513
0.4688	0.541266	0.662906	1.4688	1.695966	2.077106	2.4688	2.850666	3.491306	3.4688	4.005366	4.905506	4.4688	5.160066	6.319706
0.5000	0.57735	0.7071	1.5000	1.73205	2.1213	2.5000	2.88675	3.5355	3.5000	4.04145	4.9497	4.5000	5.19615	6.3639
0.5313	0.613434	0.751294	1.5313	1.768134	2.165494	2.5313	2.922834	3.579694	3.5313	4.077534	4.993894	4.5313	5.232234	6.408094
0.5625	0.649519	0.795488	1.5625	1.804219	2.209688	2.5625	2.958919	3.623888	3.5625	4.113619	5.038088	4.5625	5.268319	6.452288
0.5938	0.685603	0.839681	1.5938	1.840303	2.253881	2.5938	2.995003	3.668081	3.5938	4.149703	5.082281	4.5938	5.304403	6.496481
0.6250	0.721688	0.883875	1.6250	1.876388	2.298075	2.6250	3.031088	3.712275	3.6250	4.185788	5.126475	4.6250	5.340488	6.540675
0.6563	0.757772	0.928069	1.6563	1.912472	2.342269	2.6563	3.067172	3.756469	3.6563	4.221872	5.170669	4.6563	5.376572	6.584869
0.6875	0.793856	0.972263	1.6875	1.948556	2.386463	2.6875	3.103256	3.800663	3.6875	4.257956	5.214863	4.6875	5.412656	6.629063
0.7188	0.829941	1.016456	1.7188	1.984641	2.430656	2.7188	3.139341	3.844856	3.7188	4.294041	5.259056	4.7188	5.448741	6.673256
0.7500	0.866025	1.06065	1.7500	2.020725	2.47485	2.7500	3.175425	3.88905	3.7500	4.330125	5.30325	4.7500	5.484825	6.71745
0.7813	0.902109	1.104844	1.7813	2.056809	2.519044	2.7813	3.211509	3.933244	3.7813	4.366209	5.347444	4.7813	5.520909	6.761644
0.8125	0.938194	1.149038	1.8125	2.092894	2.563238	2.8125	3.247594	3.977438	3.8125	4.402294	5.391638	4.8125	5.556994	6.805838
0.8438	0.974278	1.193231	1.8438	2.128978	2.607431	2.8438	3.283678	4.021631	3.8438	4.438378	5.435831	4.8438	5.593078	6.850031
0.8750	1.010363	1.237425	1.8750	2.165063	2.651625	2.8750	3.319763	4.065825	3.8750	4.474463	5.480025	4.8750	5.629163	6.894225
0.9063	1.046447	1.281619	1.9063	2.201147	2.695819	2.9063	3.355847	4.110019	3.9063	4.510547	5.524219	4.9063	5.665247	6.938419
0.9375	1.082531	1.325813	1.9375	2.237231	2.740013	2.9375	3.391931	4.154213	3.9375	4.546631	5.568413	4.9375	5.701331	6.982613
0.9688	1.118616	1.370006	1.9688	2.273316	2.784206	2.9688	3.428016	4.198406	3.9688	4.582716	5.612606	4.9688	5.737416	7.026806