

# Knurling Diameter Calculations

Knurl Pitch 12

Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM
				0.516	33/64	0.504	12.80	1.016	1 1/64	1.008	25.60
				0.531	17/32	0.531	13.49	1.031	1 1/32	1.008	25.60
				0.547	35/64	0.531	13.49	1.047	1 3/64	1.035	26.29
				0.563	9/16	0.557	14.15	1.063	1 1/16	1.061	26.95
				0.578	37/64	0.557	14.15	1.078	1 5/64	1.061	26.95
				0.594	19/32	0.584	14.83	1.094	1 3/32	1.088	27.64
				0.609	39/64	0.584	14.83	1.109	1 7/64	1.088	27.64
0.125	1/8	0.106	2.69	0.625	5/8	0.610	15.49	1.125	1 1/8	1.114	28.30
0.141	9/64	0.133	3.38	0.641	41/64	0.637	16.18	1.141	1 9/64	1.141	28.98
0.156	5/32	0.133	3.38	0.656	21/32	0.637	16.18	1.156	1 5/32	1.141	28.98
0.172	11/64	0.159	4.04	0.672	43/64	0.663	16.84	1.172	1 11/64	1.167	29.64
0.188	3/16	0.186	4.72	0.688	11/16	0.663	16.84	1.188	1 3/16	1.167	29.64
0.203	13/64	0.186	4.72	0.703	45/64	0.690	17.53	1.203	1 13/64	1.194	30.33
0.219	7/32	0.212	5.38	0.719	23/32	0.716	18.19	1.219	1 7/32	1.194	30.33
0.234	15/64	0.212	5.38	0.734	47/64	0.716	18.19	1.234	1 15/64	1.220	30.99
0.250	1/4	0.239	6.07	0.750	3/4	0.743	18.87	1.250	1 1/4	1.247	31.67
0.266	17/64	0.265	6.73	0.766	49/64	0.743	18.87	1.266	1 17/64	1.247	31.67
0.281	9/32	0.265	6.73	0.781	25/32	0.769	19.53	1.281	1 9/32	1.273	32.33
0.297	19/64	0.292	7.42	0.797	51/64	0.796	20.22	1.297	1 19/64	1.273	32.33
0.313	5/16	0.292	7.42	0.813	13/16	0.796	20.22	1.313	1 5/16	1.300	33.02
0.328	21/64	0.318	8.08	0.828	53/64	0.822	20.88	1.328	1 21/64	1.326	33.68
0.344	11/32	0.318	8.08	0.844	27/32	0.822	20.88	1.344	1 11/32	1.326	33.68
0.359	23/64	0.345	8.76	0.859	55/64	0.849	21.56	1.359	1 23/64	1.353	34.37
0.375	3/8	0.371	9.42	0.875	7/8	0.849	21.56	1.375	1 3/8	1.353	34.37
0.391	25/64	0.371	9.42	0.891	57/64	0.875	22.23	1.391	1 25/64	1.379	35.03
0.406	13/32	0.398	10.11	0.906	29/32	0.902	22.91	1.406	1 13/32	1.406	35.71
0.422	27/64	0.398	10.11	0.922	59/64	0.902	22.91	1.422	1 27/64	1.406	35.71
0.438	7/16	0.424	10.77	0.938	15/16	0.928	23.57	1.438	1 7/16	1.432	36.37
0.453	29/64	0.451	11.46	0.953	61/64	0.928	23.57	1.453	1 29/64	1.432	36.37
0.469	15/32	0.451	11.46	0.969	31/32	0.955	24.26	1.469	1 15/32	1.459	37.06
0.484	31/64	0.477	12.12	0.984	63/64	0.981	24.92	1.484	1 31/64	1.459	37.06
0.500	1/2	0.477	12.12	1.000	1	0.981	24.92	1.500	1 1/2	1.485	37.72

# Knurling Diameter Calculations

Knurl Pitch 20

Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM
				0.516	33/64	0.509	12.93	1.016	1 1/64	1.003	25.48
				0.531	17/32	0.525	13.34	1.031	1 1/32	1.019	25.88
				0.547	35/64	0.541	13.74	1.047	1 3/64	1.035	26.29
				0.563	9/16	0.557	14.15	1.063	1 1/16	1.050	26.67
				0.578	37/64	0.573	14.55	1.078	1 5/64	1.066	27.08
				0.594	19/32	0.589	14.96	1.094	1 3/32	1.082	27.48
				0.609	39/64	0.605	15.37	1.109	1 7/64	1.098	27.89
0.125	1/8	0.111	2.82	0.625	5/8	0.621	15.77	1.125	1 1/8	1.114	28.30
0.141	9/64	0.127	3.23	0.641	41/64	0.637	16.18	1.141	1 9/64	1.130	28.70
0.156	5/32	0.143	3.63	0.656	21/32	0.653	16.59	1.156	1 5/32	1.146	29.11
0.172	11/64	0.159	4.04	0.672	43/64	0.668	16.97	1.172	1 11/64	1.162	29.51
0.188	3/16	0.175	4.45	0.688	11/16	0.684	17.37	1.188	1 3/16	1.178	29.92
0.203	13/64	0.191	4.85	0.703	45/64	0.700	17.78	1.203	1 13/64	1.194	30.33
0.219	7/32	0.207	5.26	0.719	23/32	0.716	18.19	1.219	1 7/32	1.210	30.73
0.234	15/64	0.223	5.66	0.734	47/64	0.732	18.59	1.234	1 15/64	1.225	31.12
0.250	1/4	0.239	6.07	0.750	3/4	0.748	19.00	1.250	1 1/4	1.241	31.52
0.266	17/64	0.255	6.48	0.766	49/64	0.764	19.41	1.266	1 17/64	1.257	31.93
0.281	9/32	0.271	6.88	0.781	25/32	0.780	19.81	1.281	1 9/32	1.273	32.33
0.297	19/64	0.286	7.26	0.797	51/64	0.796	20.22	1.297	1 19/64	1.289	32.74
0.313	5/16	0.302	7.67	0.813	13/16	0.812	20.62	1.313	1 5/16	1.305	33.15
0.328	21/64	0.318	8.08	0.828	53/64	0.828	21.03	1.328	1 21/64	1.321	33.55
0.344	11/32	0.334	8.48	0.844	27/32	0.844	21.44	1.344	1 11/32	1.337	33.96
0.359	23/64	0.350	8.89	0.859	55/64	0.844	21.44	1.359	1 23/64	1.353	34.37
0.375	3/8	0.366	9.30	0.875	7/8	0.859	21.82	1.375	1 3/8	1.369	34.77
0.391	25/64	0.382	9.70	0.891	57/64	0.875	22.23	1.391	1 25/64	1.385	35.18
0.406	13/32	0.398	10.11	0.906	29/32	0.891	22.63	1.406	1 13/32	1.401	35.59
0.422	27/64	0.414	10.52	0.922	59/64	0.907	23.04	1.422	1 27/64	1.416	35.97
0.438	7/16	0.430	10.92	0.938	15/16	0.923	23.44	1.438	1 7/16	1.432	36.37
0.453	29/64	0.446	11.33	0.953	61/64	0.939	23.85	1.453	1 29/64	1.448	36.78
0.469	15/32	0.462	11.73	0.969	31/32	0.955	24.26	1.469	1 15/32	1.464	37.19
0.484	31/64	0.477	12.12	0.984	63/64	0.971	24.66	1.484	1 31/64	1.480	37.59
0.500	1/2	0.493	12.52	1.000	1	0.987	25.07	1.500	1 1/2	1.496	38.00

# Knurling Diameter Calculations

Knurl Pitch 21

Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM	Starting Diameter	Starting Diameter	Knurling Diameter Inches	Knurling Diameter MM
				0.516	33/64	0.515	13.08	1.016	1 1/64	1.016	25.81
				0.531	17/32	0.531	13.49	1.031	1 1/32	1.031	26.19
				0.547	35/64	0.546	13.87	1.047	1 3/64	1.046	26.57
				0.563	9/16	0.561	14.25	1.063	1 1/16	1.061	26.95
				0.578	37/64	0.576	14.63	1.078	1 5/64	1.076	27.33
				0.594	19/32	0.591	15.01	1.094	1 3/32	1.091	27.71
				0.609	39/64	0.606	15.39	1.109	1 7/64	1.107	28.12
0.125	1/8	0.121	3.07	0.625	5/8	0.621	15.77	1.125	1 1/8	1.122	28.50
0.141	9/64	0.136	3.45	0.641	41/64	0.637	16.18	1.141	1 9/64	1.137	28.88
0.156	5/32	0.152	3.86	0.656	21/32	0.652	16.56	1.156	1 5/32	1.152	29.26
0.172	11/64	0.167	4.24	0.672	43/64	0.667	16.94	1.172	1 11/64	1.167	29.64
0.188	3/16	0.182	4.62	0.688	11/16	0.682	17.32	1.188	1 3/16	1.182	30.02
0.203	13/64	0.197	5.00	0.703	45/64	0.697	17.70	1.203	1 13/64	1.197	30.40
0.219	7/32	0.212	5.38	0.719	23/32	0.712	18.08	1.219	1 7/32	1.213	30.81
0.234	15/64	0.227	5.77	0.734	47/64	0.728	18.49	1.234	1 15/64	1.228	31.19
0.250	1/4	0.243	6.17	0.750	3/4	0.743	18.87	1.250	1 1/4	1.243	31.57
0.266	17/64	0.258	6.55	0.766	49/64	0.758	19.25	1.266	1 17/64	1.258	31.95
0.281	9/32	0.273	6.93	0.781	25/32	0.773	19.63	1.281	1 9/32	1.273	32.33
0.297	19/64	0.288	7.32	0.797	51/64	0.788	20.02	1.297	1 19/64	1.288	32.72
0.313	5/16	0.303	7.70	0.813	13/16	0.803	20.40	1.313	1 5/16	1.304	33.12
0.328	21/64	0.318	8.08	0.828	53/64	0.819	20.80	1.328	1 21/64	1.319	33.50
0.344	11/32	0.333	8.46	0.844	27/32	0.834	21.18	1.344	1 11/32	1.334	33.88
0.359	23/64	0.349	8.86	0.859	55/64	0.849	21.56	1.359	1 23/64	1.349	34.26
0.375	3/8	0.364	9.25	0.875	7/8	0.864	21.95	1.375	1 3/8	1.364	34.65
0.391	25/64	0.379	9.63	0.891	57/64	0.879	22.33	1.391	1 25/64	1.379	35.03
0.406	13/32	0.394	10.01	0.906	29/32	0.894	22.71	1.406	1 13/32	1.395	35.43
0.422	27/64	0.409	10.39	0.922	59/64	0.909	23.09	1.422	1 27/64	1.410	35.81
0.438	7/16	0.424	10.77	0.938	15/16	0.925	23.50	1.438	1 7/16	1.425	36.20
0.453	29/64	0.440	11.18	0.953	61/64	0.940	23.88	1.453	1 29/64	1.440	36.58
0.469	15/32	0.455	11.56	0.969	31/32	0.955	24.26	1.469	1 15/32	1.455	36.96
0.484	31/64	0.470	11.94	0.984	63/64	0.970	24.64	1.484	1 31/64	1.470	37.34
0.500	1/2	0.485	12.32	1.000	1	0.985	25.02	1.500	1 1/2	1.485	37.72