



TABLE OF GEAR TOOTH DIMENSIONS

CIRCULAR PITCH

Relation between Diametral Pitch and Circular Pitch, with corresponding Tooth Dimensions

Circular Pitch	Diametral Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum	Circular Pitch	Diametral Pitch	Thickness of Tooth On Pitch Line	Whole Depth	Dedendum	Addendum		
2	"	1.5708	1.0000"	1.3732"	.7366"	.6366"	5/8	"	5.0265	.3125	.4291	.2301	.1989
1 7/8	"	1.6755	.9375	1.2874	.6906	.5968	9/16	"	5.5851	.2812	.3862	.2071	.1790
1 3/4	"	1.7952	.8750	1.2016	.6445	.5570	1/2	"	6.2832	.2500	.3433	.1842	.1592
1 5/8	"	1.9333	.8125	1.1158	.5985	.5173	7/16	"	7.1808	.2187	.3003	.1611	.1393
1 1/2	"	2.0944	.7500	1.0299	.5525	.4775	2/5	"	7.8540	.2000	.2746	.1473	.1273
1 7/16	"	2.1855	.7187	.9870	.5294	.4576	3/8	"	8.3776	.1875	.2575	.1381	.1194
1 3/8	"	2.2848	.6875	.9441	.5064	.4377	1/3	"	9.4248	.1666	.2287	.1228	.1061
1 5/6	"	2.3936	.6562	.9012	.4837	.4178	5/16	"	10.0531	.1562	.2146	.1151	.0995
1 1/4	"	2.5133	.6250	.8583	.4604	.3979	1/4	"	12.5664	.1250	.1716	.0921	.0796
1 3/16	"	2.6465	.5937	.8156	.4374	.3780	1/5	"	15.7080	.1000	.1373	.0737	.0637
1 1/8	"	2.7925	.5625	.7724	.4143	.3581	3/16	"	16.7552	.0937	.1287	.0690	.0592
1 1/16	"	2.9568	.5312	.7295	.3913	.3382	1/6	"	18.8496	.0833	.1144	.0614	.0531
1	"	3.1416	.5000	.6866	.3683	.3183	1/7	"	21.9911	.0714	.0981	.0526	.0455
15/16	"	3.3510	.4687	.6437	.3453	.2984	1/8	"	25.1327	.0625	.0858	.0460	.0398
7/8	"	3.5904	.4375	.6007	.3223	.2785	1/9	"	28.2743	.0555	.0763	.0409	.0354
13/16	"	3.8666	.4062	.5579	.2993	.2586	1/10	"	31.4159	.0500	.0687	.0368	.0318
3/4	"	4.1888	.3750	.5150	.2762	.2387	1/16	"	50.2655	.0312	.0429	.0230	.0199
11/16	"	4.5696	.3437	.4720	.2532	.2189	1/20	"	62.8318	.0250	.0343	.0184	.0159

To obtain the size of any part of a circular pitch not given in the table, multiply the corresponding part of 1" pitch by the pitch required.

These dimensions are for general informational use only. They will vary based on manufacturing methods or other requirements.

Please contact us for assistance with any specific product dimension questions or needs you may have.

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