



AXIAL Recommended Blank Diameters

Blank Diameters For Parallel Rolled Threads UNF & UNC - Class 2

Size		Steel														Aluminum Alloy			
		10-50 C Soft		30-50 C Soft		30-50 C or Alloy 15-25 RC		30-50 C Chrome Nickel 26-32 RC		Stainless Chrome 300 Series*		Stainless Chrome 400 Series*		Brass and Bronze		Soft		Hard	
O.D.	Pitch	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
#0	80	.0504	.0498	.0507	.0501	.0509	.0503	.0511	.0505	.0513	.0507	.0515	.0509	.0507	.0501	.0509	.0503	.0507	.0501
#1	72	.0623	.0617	.0627	.0621	.0629	.0622	.0631	.0625	.0633	.0626	.0635	.0628	.0627	.06321	.0629	.0622	.0627	.0621
#1	64	.0612	.0605	.0616	.0609	.0618	.0611	.0620	.0613	.0622	.0615	.0624	.0617	.0616	.0609	.0618	.0611	.0616	.0609
#2	64	.0742	.0735	.0746	.0739	.0748	.0741	.0750	.0743	.0752	.0745	.0754	.0747	.0746	.0739	.0748	.0741	.0746	.0739
#2	56	.0726	.0719	.0730	.0723	.0732	.0725	.0734	.0728	.0737	.0730	.0739	.0732	.0730	.0723	.0732	.0725	.0730	.0723
#3	56	.0855	.0847	.0859	.0852	.0861	.0854	.0863	.0856	.0866	.0858	.0868	.0860	.0859	.0852	.0861	.0854	.0859	.0852
#3	48	.0835	.0827	.0840	.0832	.0842	.0834	.0844	.0837	.0846	.0839	.0849	.0841	.0840	.0832	.0842	.0834	.0840	.0832
#4	48	.0964	.0956	.0969	.0961	.0971	.0964	.0974	.0966	.0976	.0968	.0979	.0971	.0969	.0961	.0971	.0964	.0969	.0961
#4	40	.0936	.0928	.0941	.0933	.0943	.0935	.0946	.0938	.0948	.0940	.0951	.0943	.0941	.0938	.0943	.0935	.0941	.0933
#5	44	.1081	.1073	.1086	.1078	.1088	.1080	.1091	.1082	.1093	.1085	.1096	.1088	.1086	.1078	.1088	.1080	.1086	.1078
#5	40	.1065	.1057	.1070	.1062	.1073	.1064	.1075	.1067	.1078	.1070	.1081	.1072	.1070	.1062	.1073	.1064	.1070	.1062
#6	40	.1195	.1187	.1200	.1192	.1203	.1194	.1205	.1197	.1208	.1200	.1211	.1202	.1200	.1192	.1203	.1194	.1200	.1192
#6	32	.1153	.1144	.1159	.1149	.1161	.1152	.1164	.1155	.1167	.1158	.1170	.1161	.1159	.1149	.1161	.1152	.1159	.1149
#8	36	.1436	.1427	.1442	.1432	.1444	.1435	.1447	.1438	.1450	.1441	.1453	.1444	.1442	.1432	.1444	.1435	.1442	.1432
#8	32	.1412	.1402	.1417	.1408	.1420	.1411	.1423	.1414	.1426	.1416	.1429	.1419	.1417	.1408	.1420	.1411	.1417	.1408
#10	32	.1671	.1661	.1677	.1667	.1680	.1670	.1683	.1673	.1686	.1676	.1689	.1679	.1677	.1667	.1680	.1670	.1677	.1667
#10	24	.1591	.1589	.1608	.1596	.1611	.1599	.1614	.1602	.1618	.1606	.1621	.1609	.1608	.1596	.1611	.1599	.1608	.1596
#12	28	.1900	.1889	.1907	.1896	.1910	.1899	.1913	.1902	.1916	.1905	.1920	.1908	.1907	.1896	.1910	.1899	.1907	.1896
#12	24	.1861	.1848	.1868	.1855	.1871	.1859	.1874	.1862	.1878	.1865	.1881	.1869	.1868	.1855	.1871	.1859	.1868	.1855
1/4	20	.2144	.2131	.2151	.2138	.2155	.2142	.2159	.2146	.2166	.2153	.2159	.2146	.2151	.2138	.2155	.2142	.2151	.2138
1/4	28	.2241	.2228	.2248	.2235	.2251	.2238	.2255	.2242	.2261	.2248	.2255	.2242	.2248	.2235	.2251	.2238	.2248	.2235
5/16	18	.2729	.2716	.2737	.2724	.2741	.2728	.2745	.2732	.2753	.2740	.2745	.2732	.2737	.2724	.2741	.2728	.2737	.2724
5/16	24	.2823	.2810	.2830	.2817	.2834	.2821	.2837	.2824	.2845	.2832	.2837	.2824	.2830	.2817	.2834	.2821	.2830	.2817
3/8	16	.3306	.3291	.3315	.3300	.3320	.3305	.3324	.3309	.3333	.3318	.3324	.3309	.3315	.3300	.3320	.3305	.3315	.3300
3/8	24	.3448	.3434	.3455	.3441	.3459	.3445	.3463	.3449	.3471	.3457	.3463	.3449	.3455	.3441	.3459	.3445	.3455	.3441
7/16	14	.3871	.3855	.3880	.3864	.3885	.3869	.3890	.3874	.3899	.3883	.3890	.3874	.3880	.3864	.3885	.3869	.3880	.3864
7/16	20	.4012	.3999	.4021	.4008	.4025	.4012	.4029	.4016	.4037	.4024	.4029	.4016	.4021	.4008	.4025	.4012	.4021	.4008
1/2	13	.4458	.4440	.4468	.4450	.4473	.4455	.4478	.4460	.4488	.4470	.4478	.4460	.4468	.4450	.4473	.4455	.4468	.4450
1/2	20	.4637	.4623	.4646	.4632	.4650	.4636	.4655	.4641	.4663	.4649	.4655	.4641	.4646	.4632	.4650	.4636	.4646	.4632
9/16	12	.5039	.5021	.5050	.5032	.5055	.5037	.5060	.5042	.5070	.5052	.5060	.5042	.5050	.5032	.5055	.5037	.5050	.5032
9/16	18	.5225	.5210	.5234	.5219	.5238	.5223	.5243	.5228	.5252	.5237	.5243	.5228	.5234	.5219	.5238	.5223	.5234	.5219
5/8	11	.5614	.5595	.5625	.5606	.5630	.5611	.5636	.5617	.5647	.5628	.5636	.5617	.5625	.5606	.5630	.5611	.5625	.5606
5/8	18	.5850	.5833	.5859	.5842	.5864	.5847	.5869	.5852	.5878	.5861	.5869	.5852	.5859	.5842	.5864	.5847	.5859	.5842
3/4	10	.6799	.6779	.6811	.6791	.6817	.6797	.6823	.6803	.6834	.6814	.6823	.6803	.6811	.6791	.6817	.6797	.6811	.6791
3/4	16	.7052	.7034	.7062	.7044	.7067	.7049	.7072	.7054	.7082	.7064	.7072	.7054	.7062	.7044	.7067	.7049	.7062	.7044
7/8	9	.7972	.7952	.7985	.7965	.7991	.7971	.7998	.7978	.8010	.7990	.7998	.7978	.7985	.7965	.7991	.7971	.7985	.7965
7/8	14	.8240	.8221	.8251	.8232	.8257	.8238	.8262	.8243	.8273	.8259	.8262	.8243	.8251	.8232	.8257	.8238	.8251	.8232
1	8	.9131	.9107	.9144	.9120	.9151	.9127	.9158	.9134	.9172	.9148	.9158	.9134	.9144	.9120	.9151	.9127	.9144	.9120
1	12	.9408	.9388	.9420	.9400	.9426	.9406	.9432	.9412	.9443	.9423	.9432	.9412	.9420	.9400	.9426	.9406	.9420	.9400
1-1/8	7	1.0262	1.0235	1.0276	1.0250	1.0283	1.0257	1.0290	1.0264	1.0304	1.0278	1.0290	1.0264	1.0276	1.0250	1.0283	1.0257	1.0276	1.0250
1-1/8	12	1.0657	1.0637	1.0669	1.0649	1.0675	1.0655	1.0681	1.0661	1.0693	1.0673	1.0681	1.0661	1.0669	1.0649	1.0675	1.0655	1.0669	1.0649
1-1/4	7	1.1510	1.1483	1.1525	1.1498	1.1533	1.1506	1.1540	1.1513	1.1555	1.1528	1.1540	1.1513	1.1525	1.1498	1.1533	1.1506	1.1525	1.1498
1-1/4	12	1.1906	1.1885	1.1919	1.1898	1.1925	1.1904	1.1931	1.1910	1.1943	1.1922	1.1931	1.1910	1.1919	1.1898	1.1925	1.1904	1.1919	1.1898
1-3/8	6	1.2601	1.2571	1.2617	1.2587	1.2625	1.2595	1.2633	1.2603	1.2649	1.2619	1.2633	1.2603	1.2617	1.2587	1.2625	1.2595	1.2617	1.2587
1-3/8	12	1.3153	1.3133	1.3166	1.3146	1.3171	1.3152	1.3178	1.3158	1.3191	1.3171	1.3178	1.3158	1.3166	1.3146	1.3171	1.3152	1.3166	1.3146
1-1/2	6	1.3850	1.3820	1.3866	1.3836	1.3874	1.3844	1.3882	1.3852	1.3898	1.3868	1.3882	1.3851	1.3866	1.3836	1.3874	1.3844	1.3866	1.3836
1-1/2	12	1.4402	1.4382	1.4415	1.4395	1.4422	1.4402	1.4428	1.4408	1.4441	1.4421	1.4428	1.4408	1.4415	1.4395	1.4422	1.4402	1.4415	1.4395
1-3/4	5	1.6124	1.6094	1.6142	1.6112	1.6150	1.6120	1.6159	1.6129	1.6177	1.6147	1.6159	1.6129	1.6142	1.6112	1.6150	1.6120	1.6142	1.6112
2	4-1/2	1.8474	1.8442	1.8493	1.8461	1.8503	1.8471	1.8512	1.8480	1.8531	1.8499	1.8512	1.8480	1.8442	1.8461	1.8503	1.8471	1.8442	1.8461

Note: These dimensions are for set-up reference. Diameters must be finally established by actual rolling.

• Only Certain Grades Rollable