

# Pitch Diameters – Thread Ring & Setting Plug Gages



**Table II**  
**Classes 2A, 3A**

Nominal Size	UNIFIED PITCH DIAMETERS					Nominal Size	UNIFIED PITCH DIAMETERS				
	Class 2A		Class 3A		X Tol. Go = - No Go = +		Class 2A		Class 3A		X Tol. Go = - No Go = +
	Go	No Go	Go	No Go			Go	No Go	Go	No Go	
#0-80 UNF	.0514	.0496	.0519	.0506	.0002	9/16-24 UNEF	.5342	.5303	.5354	.5325	.0003
#1-64 UNC	.0623	.0603	.0629	.0614	.0002	5/8-11 UNC	.5644	.5589	.5660	.5619	.0003
#1-72 UNF	.0634	.0615	.0640	.0626	.0002	5/8-18 UNF	.5875	.5828	.5889	.5854	.0003
#2-56 UNC	.0738	.0717	.0744	.0728	.0002	5/8-24 UNEF	.5967	.5927	.5979	.5949	.0003
#2-64 UNF	.0753	.0733	.0759	.0744	.0002	1 1/16-24 UNEF	.6592	.6552	.6604	.6574	.0003
#3-48 UNC	.0848	.0825	.0855	.0838	.0002	3/4-10 UNC	.6832	.6773	.6850	.6806	.0003
#3-56 UNF	.0867	.0845	.0874	.0858	.0002	3/4-16 UNF	.7079	.7029	.7094	.7056	.0003
#4-40 UNC	.0950	.0925	.0958	.0939	.0002	3/4-20 UNEF	.7162	.7118	.7175	.7142	.0003
#4-48 UNF	.0978	.0954	.0985	.0967	.0002	1 3/16-20 UNEF	.7787	.7743	.7800	.7767	.0003
#5-40 UNC	.1080	.1054	.1088	.1069	.0002	7/8-9 UNC	.8009	.7946	.8028	.7981	.0003
#5-44 UNF	.1095	.1070	.1102	.1083	.0002	7/8-14 UNF	.8270	.8216	.8286	.8245	.0003
#6-32 UNC	.1169	.1141	.1177	.1156	.0003	7/8-20 UNEF	.8412	.8368	.8425	.8392	.0003
#6-40 UNF	.1210	.1184	.1218	.1198	.0002	1 5/16-20 UNEF	.9036	.8991	.9050	.9016	.0003
#8-32 UNC	.1428	.1399	.1437	.1415	.0003	1"-8 UNC	.9168	.9100	.9188	.9137	.0004
#8-36 UNF	.1452	.1424	.1460	.1439	.0002	1"-12 UNF	.9441	.9382	.9459	.9415	.0003
#10-24 UNC	.1619	.1586	.1629	.1604	.0003	1"-14 UNS	.9519	.9463	.9536	.9494	.0003
#10-32 UNF	.1688	.1658	.1697	.1674	.0003	1"-20 UNEF	.9661	.9616	.9675	.9641	.0003
#12-24 UNC	.1879	.1845	.1889	.1863	.0003	1 1/16-12 UN	1.0067	1.0010	1.0084	1.0042	.0003
#12-28 UNF	.1918	.1886	.1928	.1904	.0003	1 1/16-18 UNEF	1.0250	1.0203	1.0264	1.0228	.0003
#12-32 UNEF	.1948	.1917	.1957	.1933	.0003	1 1/8-7 UNC	1.0300	1.0228	1.0322	1.0268	.0004
1/4-20 UNC	.2164	.2127	.2175	.2147	.0003	1 1/8-12 UNF	1.0691	1.0631	1.0709	1.0664	.0003
1/4-28 UNF	.2258	.2225	.2268	.2243	.0003	1 1/8-18 UNEF	1.0875	1.0828	1.0889	1.0853	.0003
1/4-32 UNEF	.2287	.2255	.2297	.2273	.0003	1 3/16-12 UN	1.1317	1.1259	1.1334	1.1291	.0003
5/16-18 UNC	.2752	.2712	.2764	.2734	.0003	1 3/16-18 UNEF	1.1499	1.1450	1.1514	1.1478	.0003
5/16-24 UNF	.2843	.2806	.2854	.2827	.0003	1 1/4-7 UNC	1.1550	1.1476	1.1572	1.1517	.0004
5/16-32 UNEF	.2912	.2880	.2922	.2898	.0003	1 1/4-12 UNF	1.1941	1.1879	1.1959	1.1913	.0003
3/8-16 UNC	.3331	.3287	.3344	.3311	.0003	1 1/4-18 UNEF	1.2124	1.2075	1.2139	1.2103	.0003
3/8-24 UNF	.3468	.3430	.3479	.3450	.0003	1 5/16-12 UN	1.2567	1.2509	1.2584	1.2541	.0003
3/8-32 UNEF	.3537	.3503	.3547	.3522	.0003	1 5/16-18 UNEF	1.2749	1.2700	1.2764	1.2728	.0003
7/16-14 UNC	.3897	.3850	.3911	.3876	.0003	1 3/8-6 UNC	1.2643	1.2563	1.2667	1.2607	.0004
7/16-20 UNF	.4037	.3995	.4050	.4019	.0003	1 3/8-12 UNF	1.3190	1.3127	1.3209	1.3162	.0003
7/16-28 UNEF	.4132	.4096	.4143	.4116	.0003	1 3/8-18 UNEF	1.3374	1.3325	1.3389	1.3353	.0003
1/2-13 UNC	.4485	.4435	.4500	.4463	.0003	1 7/16-12 UN	1.3816	1.3757	1.3834	1.3790	.0003
1/2-20 UNF	.4662	.4619	.4675	.4643	.0003	1 7/16-18 UNEF	1.3999	1.3949	1.4014	1.3977	.0003
1/2-28 UNEF	.4757	.4720	.4768	.4740	.0003	1 1/2-6 UNC	1.3893	1.3812	1.3917	1.3856	.0004
9/16-12 UNC	.5068	.5016	.5084	.5045	.0003	1 1/2-12 UNF	1.4440	1.4376	1.4459	1.4411	.0003
9/16-18 UNF	.5250	.5205	.5264	.5230	.0003	1 1/2-18 UNEF	1.4624	1.4574	1.4639	1.4602	.0003