

*Standard Inch Pitch Diameters:  
Basic, 2B, 3B, 2A & 3A*

HEMCO

Standard Inch Pitch Diameters																					
No. or Fraction	Decimal Size	TPI		Work Plugs			Rings & Setting Plugs				No. or Fraction	Decimal Size	TPI		Work Plugs			Rings & Setting Plugs			
				Go Basic	2B HI	3B HI	Class								Go Basic	2B HI	3B HI	Class			
							3A Go	3A Lo	2A Go	2A Lo								3A Go	3A Lo	2A Go	2A Lo
#0	.060	80	UNF	.0519	.0542	.0536	.0519	.0506	.0514	.0496	9/16	.5625	24	UNEF	.5354	.5405	.5392	.5354	.5325	.5342	.5303
#1	.073	64	UNC	.0629	.0655	.0648	.0629	.0614	.0623	.0603	5/8	.625	11	UNC	.5660	.5732	.5714	.5660	.5619	.5644	.5589
#1	.073	72	UNF	.0640	.0665	.0659	.0640	.0626	.0634	.0615	5/8	.625	18	UNF	.5889	.5949	.5934	.5889	.5854	.5875	.5828
#2	.086	56	UNC	.0744	.0772	.0765	.0744	.0728	.0738	.0717	5/8	.625	24	UNEF	.5979	.6031	.6018	.5979	.5949	.5967	.5927
#2	.086	64	UNF	.0759	.0786	.0779	.0759	.0744	.0753	.0733	11/16	.6875	24	UNEF	.6604	.6656	.6643	.6604	.6574	.6592	.6552
#3	.099	48	UNC	.0855	.0885	.0877	.0855	.0838	.0848	.0825	3/4	.75	10	UNC	.6850	.6927	.6907	.6850	.6806	.6832	.6773
#3	.099	56	UNF	.0874	.0902	.0895	.0874	.0858	.0867	.0845	3/4	.75	16	UNF	.7094	.7159	.7143	.7094	.7056	.7079	.7029
#4	.112	40	UNC	.0958	.0991	.0982	.0958	.0939	.0950	.0925	3/4	.75	20	UNEF	.7175	.7232	.7218	.7175	.7142	.7162	.7118
#4	.112	48	UNF	.0985	.1016	.1008	.0985	.0967	.0978	.0954	13/16	.8125	20	UNEF	.7800	.7857	.7843	.7800	.7767	.7787	.7743
#5	.125	40	UNC	.1088	.1121	.1113	.1088	.1069	.1080	.1054	7/8	.875	9	UNC	.8028	.8110	.8089	.8028	.7981	.8009	.7946
#5	.125	44	UNF	.1102	.1134	.1126	.1102	.1083	.1095	.1070	7/8	.875	14	UNF	.8286	.8356	.8339	.8286	.8245	.8270	.8216
#6	.138	32	UNC	.1177	.1214	.1204	.1177	.1156	.1169	.1141	7/8	.875	20	UNEF	.8425	.8482	.8468	.8425	.8392	.8412	.8368
#6	.138	40	UNF	.1218	.1252	.1243	.1218	.1198	.1210	.1184	15/16	.9375	20	UNEF	.9050	.9109	.9094	.9050	.9016	.9036	.8991
#8	.164	32	UNC	.1437	.1475	.1465	.1437	.1415	.1428	.1399	1	1	8	UNC	.9188	.9276	.9254	.9188	.9137	.9168	.9100
#8	.164	36	UNF	.1460	.1496	.1487	.1460	.1439	.1452	.1424	1	1	12	UNF	.9459	.9535	.9516	.9459	.9415	.9441	.9382
#10	.190	24	UNC	.1629	.1672	.1661	.1629	.1604	.1619	.1586	1	1	14	UNS	.9536	.9609	.9590	.9536	.9494	.9519	.9463
#10	.190	32	UNF	.1697	.1736	.1726	.1697	.1674	.1688	.1658	1	1	20	UNEF	.9675	.9734	.9719	.9675	.9641	.9661	.9616
#12	.216	24	UNC	.1889	.1933	.1922	.1889	.1863	.1879	.1845	1-1/16	1.0625	12	UN	1.0084	1.0158	1.0139	1.0084	1.0042	1.0067	1.0010
#12	.216	28	UNF	.1928	.1970	.1959	.1928	.1904	.1918	.1886	1-1/16	1.0625	18	UNEF	1.0264	1.0326	1.0310	1.0264	1.0228	1.0250	1.0203
#12	.216	32	UNEF	.1957	.1998	.1988	.1957	.1933	.1948	.1917	1-1/8	1.125	7	UNC	1.0322	1.0416	1.0393	1.0322	1.0268	1.0300	1.0228
1/4	.250	20	UNC	.2175	.2224	.2211	.2175	.2147	.2164	.2127	1-1/8	1.125	12	UNF	1.0709	1.0787	1.0768	1.0709	1.0664	1.0691	1.0631
1/4	.250	28	UNF	.2268	.2311	.2300	.2268	.2243	.2258	.2225	1-1/8	1.125	18	UNEF	1.0889	1.0951	1.0935	1.0889	1.0853	1.0875	1.0828
1/4	.250	32	UNEF	.2297	.2339	.2328	.2297	.2273	.2287	.2255	1-3/16	1.1875	12	UN	1.1334	1.1409	1.1390	1.1334	1.1291	1.1317	1.1259
5/16	.3125	18	UNC	.2764	.2817	.2803	.2764	.2734	.2752	.2712	1-3/16	1.1875	18	UNEF	1.1514	1.1577	1.1561	1.1514	1.1478	1.1499	1.1450
5/16	.3125	24	UNF	.2854	.2902	.2890	.2854	.2827	.2843	.2806	1-1/4	1.25	7	UNC	1.1572	1.1668	1.1644	1.1572	1.1517	1.1550	1.1476
5/16	.3125	32	UNEF	.2922	.2964	.2953	.2922	.2898	.2912	.2880	1-1/4	1.25	12	UNF	1.1959	1.2039	1.2019	1.1959	1.1913	1.1941	1.1879
3/8	.375	16	UNC	.3344	.3401	.3387	.3344	.3311	.3331	.3287	1-1/4	1.25	18	UNEF	1.2139	1.2202	1.2186	1.2139	1.2103	1.2124	1.2075
3/8	.375	24	UNF	.3479	.3528	.3516	.3479	.3450	.3468	.3430	1-5/16	1.3125	12	UN	1.2584	1.2659	1.2640	1.2584	1.2541	1.2567	1.2509
3/8	.375	32	UNEF	.3547	.3591	.3580	.3547	.3522	.3537	.3503	1-5/16	1.3125	18	UNEF	1.2764	1.2827	1.2811	1.2764	1.2728	1.2749	1.2700
7/16	.4375	14	UNC	.3911	.3972	.3957	.3911	.3876	.3897	.3850	1-3/8	1.375	6	UNC	1.2667	1.2771	1.2745	1.2667	1.2607	1.2643	1.2563
7/16	.4375	20	UNF	.4050	.4104	.4091	.4050	.4019	.4037	.3995	1-3/8	1.375	12	UNF	1.3209	1.3291	1.3270	1.3209	1.3162	1.3190	1.3127
7/16	.4375	28	UNEF	.4143	.4189	.4178	.4143	.4116	.4132	.4096	1-3/8	1.375	18	UNEF	1.3389	1.3452	1.3436	1.3389	1.3353	1.3374	1.3325
1/2	.50	12	UN	.4459	.4529	.4511	.4459	.4419	.4443	.4389	1-7/16	1.4375	12	UN	1.3834	1.3910	1.3891	1.3834	1.3790	1.3816	1.3757
1/2	.50	13	UNC	.4500	.4565	.4548	.4500	.4463	.4485	.4435	1-7/16	1.4375	18	UNEF	1.4014	1.4079	1.4062	1.4014	1.3977	1.3999	1.3949
1/2	.50	20	UNF	.4675	.4731	.4717	.4675	.4643	.4662	.4619	1-1/2	1.500	6	UNC	1.3917	1.4022	1.3996	1.3917	1.3856	1.3893	1.3812
1/2	.50	28	UNEF	.4768	.4816	.4804	.4768	.4740	.4757	.4720	1-1/2	1.500	12	UNF	1.4459	1.4542	1.4522	1.4459	1.4411	1.4440	1.4376
9/16	.5625	12	UNC	.5084	.5152	.5135	.5084	.5045	.5068	.5016	1-1/2	1.500	18	UNEF	1.4639	1.4704	1.4687	1.4639	1.4602	1.4624	1.4574
9/16	.5625	18	UNF	.5264	.5323	.5308	.5264	.5230	.5250	.5205											