

.9375-12 UN to 1.1875-28 UN Threads

Nominal Size, TPI, Series		TPI	Pitch	<u>P/4</u>	<u>P/8</u>	Class	Allowance	<u>Max Major</u>	Min Major	<u>Min</u>	<u>Max Pitch</u>	Min Pitch	<u>UNR Minor</u>
			inch	inch	inch		inch	<u>Max Minor</u>	<u>Min Minor</u>	inch	inch	inch	<u>Dia Major Dia (Min)</u>
Ext.	15/16-12 UN	12	0.08333	0.02083	0.01042	<u>2A</u>	0.0017	0.9358	0.9244	-	0.8817	0.876	0.8366
Int.		12	0.08333	0.02083	0.01042	<u>2B</u>		0.865	0.847		0.8908	0.8834	0.9375
Ext.	15/16-12 UN	12	0.08333	0.02083	0.01042	<u>3A</u>	0	0.9375	0.9261	-	0.8834	0.8793	0.8383
Int.		12	0.08333	0.02083	0.01042	<u>3B</u>		0.8575	0.847		0.8889	0.8834	0.9375
Ext.	15/16-16 UN	16	0.06250	0.01563	0.00781	<u>2A</u>	0.0015	0.936	0.9266	-	0.8954	0.8904	0.8615
Int.		16	0.06250	0.01563	0.00781	<u>2B</u>		0.884	0.87		0.9034	0.8969	0.9375
Ext.	15/16-16 UN	16	0.06250	0.01563	0.00781	<u>3A</u>	0	0.9375	0.9281	-	0.8969	0.8932	0.863
Int.		16	0.06250	0.01563	0.00781	<u>3B</u>		0.8783	0.87		0.9018	0.8969	0.9375
Ext.	15/16-20 UNEF	20	0.05000	0.01250	0.00625	<u>2A</u>	0.0014	0.9361	0.928	-	0.9036	0.8991	0.8766
Int.		20	0.05000	0.01250	0.00625	<u>2B</u>		0.895	0.883		0.9109	0.905	0.9375
Ext.	15/16-20 UNEF	20	0.05000	0.01250	0.00625	<u>3A</u>	0	0.9375	0.9294	-	0.905	0.9016	0.878
Int.		20	0.05000	0.01250	0.00625	<u>3B</u>		0.8912	0.883		0.9094	0.905	0.9375
Ext.	15/16-28 UN	28	0.03571	0.00893	0.00446	<u>2A</u>	0.0012	0.9363	0.9298	-	0.9131	0.9091	0.8937
Int.		28	0.03571	0.00893	0.00446	<u>2B</u>		0.907	0.899		0.9195	0.9143	0.9375
Ext.	15/16-28 UN	28	0.03571	0.00893	0.00446	<u>3A</u>	0	0.9375	0.931	-	0.9143	0.9113	0.8949
Int.		28	0.03571	0.00893	0.00446	<u>3B</u>		0.9051	0.899		0.9182	0.9143	0.9375
Ext.	15/16-32 UN	32	0.03125	0.00781	0.00391	<u>2A</u>	0.0011	0.9364	0.9304	-	0.9161	0.9123	0.8992
Int.		32	0.03125	0.00781	0.00391	<u>2B</u>		0.911	0.904		0.9221	0.9172	0.9375
Ext.	15/16-32 UN	32	0.03125	0.00781	0.00391	<u>3A</u>	0	0.9375	0.9315	-	0.9172	0.9144	0.9003
Int.		32	0.03125	0.00781	0.00391	<u>3B</u>		0.9094	0.904		0.9209	0.9172	0.9375
Ext.	1-8 UNC	8	0.12500	0.03125	0.01563	<u>1A</u>	0.002	0.998	0.9755	-	0.9168	0.9067	0.8492
Int.		8	0.12500	0.03125	0.01563	<u>1B</u>		0.89	0.865		0.932	0.9188	1
Ext.	1-8 UNC	8	0.12500	0.03125	0.01563	<u>2A</u>	0.002	0.998	0.983	0.976	0.9168	0.91	0.8492
Int.		8	0.12500	0.03125	0.01563	<u>2B</u>		0.89	0.865		0.9276	0.9188	1
Ext.	1-8 UNC	8	0.12500	0.03125	0.01563	<u>3A</u>	0	1	0.985	-	0.9188	0.9137	0.8512
Int.		8	0.12500	0.03125	0.01563	<u>3B</u>		0.8797	0.865		0.9254	0.9188	1
Ext.	1-10 UNS	10	0.10000	0.02500	0.01250	<u>2A</u>	0.0018	0.9982	0.9853	-	0.9332	0.927	0.8792
Int.		10	0.10000	0.02500	0.01250	<u>2B</u>		0.913	0.892		0.943	0.935	1
Ext.	1-12 UNF	12	0.08333	0.02083	0.01042	<u>1A</u>	0.0018	0.9982	0.981	-	0.9441	0.9353	0.899
Int.		12	0.08333	0.02083	0.01042	<u>1B</u>		0.928	0.91		0.9573	0.9459	1
Ext.	1-12 UNF	12	0.08333	0.02083	0.01042	<u>2A</u>	0.0018	0.9982	0.9868	-	0.9441	0.9382	0.899

Int.		12	0.08333	0.02083	0.01042	2B		0.928	0.91		0.9535	0.9459	1
Ext.	1-12 UNF	12	0.08333	0.02083	0.01042	3A	0	1	0.9886	-	0.9459	0.9415	0.9008
Int.		12	0.08333	0.02083	0.01042	3B		0.9198	0.91		0.9516	0.9459	1
Ext.	1-14UNS	14	0.07143	0.01786	0.00893	1A	0.0017	0.9983	0.9828	-	0.9519	0.9435	0.9132
Int.		14	0.07143	0.01786	0.00893	1B		0.938	0.923		0.9645	0.9536	1
Ext.	1-14UNS	14	0.07143	0.01786	0.00893	2A	0.0017	0.9983	0.988	-	0.9519	0.9463	0.9132
Int.		14	0.07143	0.01786	0.00893	2B		0.938	0.923		0.9609	0.9536	1
Ext.	1-14UNS	14	0.07143	0.01786	0.00893	3A	0	1	0.9897	-	0.9536	0.9494	0.9149
Int.		14	0.07143	0.01786	0.00893	3B		0.9315	0.923		0.959	0.9536	1
Ext.	1-16 UN	16	0.06250	0.01563	0.00781	2A	0.0015	0.9985	0.9891	-	0.9579	0.9529	0.924
Int.		16	0.06250	0.01563	0.00781	2B		0.946	0.932		0.9659	0.9594	1
Ext.	1-16 UN	16	0.06250	0.01563	0.00781	3A	0	1	0.9906	-	0.9594	0.9557	0.9255
Int.		16	0.06250	0.01563	0.00781	3B		0.9408	0.932		0.9643	0.9594	1
Ext.	1-18 UNS	18	0.05556	0.01389	0.00694	2A	0.0014	0.9986	0.9899	-	0.9625	0.9578	0.9325
Int.		18	0.05556	0.01389	0.00694	2B		0.953	0.94		0.9701	0.9639	1
Ext.	1-20 UNEF	20	0.05000	0.01250	0.00625	2A	0.0014	0.9986	0.9905	-	0.9661	0.9616	0.9391
Int.		20	0.05000	0.01250	0.00625	2B		0.957	0.946		0.9734	0.9675	1
Ext.	1-20 UNEF	20	0.05000	0.01250	0.00625	3A	0	1	0.9919	-	0.9675	0.9641	0.9405
Int.		20	0.05000	0.01250	0.00625	3B		0.9537	0.946		0.9719	0.9675	1
Ext.	1-24 UNS	24	0.04167	0.01042	0.00521	2A	0.0013	0.9987	0.9915	-	0.9716	0.9674	0.9491
Int.		24	0.04167	0.01042	0.00521	2B		0.965	0.955		0.9784	0.9729	1
Ext.	1-27 UNS	27	0.03704	0.00926	0.00463	2A	0.0012	0.9988	0.9921	-	0.9747	0.9707	0.9547
Int.		27	0.03704	0.00926	0.00463	2B		0.969	0.96		0.9811	0.9759	1
Ext.	1-28 UN	28	0.03571	0.00893	0.00446	2A	0.0012	0.9988	0.9923	-	0.9756	0.9716	0.9562
Int.		28	0.03571	0.00893	0.00446	2B		0.97	0.961		0.982	0.9768	1
Ext.	1-28 UN	28	0.03571	0.00893	0.00446	3A	0	1	0.9935	-	0.9768	0.9738	0.9574
Int.		28	0.03571	0.00893	0.00446	3B		0.9676	0.961		0.9807	0.9768	1
Ext.	1-32 UN	32	0.03125	0.00781	0.00391	2A	0.0011	0.9989	0.9929	-	0.9786	0.9748	0.9617
Int.		32	0.03125	0.00781	0.00391	2B		0.974	0.966		0.9846	0.9797	1
Ext.	1-32 UN	32	0.03125	0.00781	0.00391	3A	0	1	0.994	-	0.9797	0.9769	0.9628
Int.		32	0.03125	0.00781	0.00391	3B		0.9719	0.966		0.9834	0.9797	1
Ext.	1 ¹ / ₁₆ -8 UN	8	0.12500	0.03125	0.01563	2A	0.002	1.0605	1.0455	-	0.9793	0.9725	0.9117
Int.		8	0.12500	0.03125	0.01563	2B		0.952	0.927		0.9902	0.9813	1.0625
Ext.	1 ¹ / ₁₆ -8 UN	8	0.12500	0.03125	0.01563	3A	0	1.0625	1.0475	-	0.9813	0.9762	0.9137
Int.		8	0.12500	0.03125	0.01563	3B		0.9422	0.927		0.988	0.9813	1.0625
Ext.	1 ¹ / ₁₆ -12 UN	12	0.08333	0.02083	0.01042	2A	0.0017	1.0608	1.0494	-	1.0067	1.001	0.9616
Int.		12	0.08333	0.02083	0.01042	2B		0.99	0.972		1.0158	1.0084	1.0625
Ext.	1 ¹ / ₁₆ -12 UN	12	0.08333	0.02083	0.01042	3A	0	1.0625	1.0511	-	1.0084	1.0042	0.9633

Int.		12	0.08333	0.02083	0.01042	3B		0.9823	0.972		1.0139	1.0084	1.0625
Ext.	1 ¹ / ₁₆ -16 UN	16	0.06250	0.01563	0.00781	2A	0.0015	1.061	1.0516	-	1.0204	1.0154	0.9865
Int.		16	0.06250	0.01563	0.00781	2B		1.009	0.995		1.0284	1.0219	1.0625
Ext.	1 ¹ / ₁₆ -16 UN	16	0.06250	0.01563	0.00781	3A	0	1.0625	1.0531	-	1.0219	1.0182	0.988
Int.		16	0.06250	0.01563	0.00781	3B		1.0033	0.995		1.0268	1.0264	1.0625
Ext.	1 ¹ / ₁₆ -18 UNEF	18	0.05556	0.01389	0.00694	2A	0.0014	1.0611	1.0524	-	1.025	1.0203	0.995
Int.		18	0.05556	0.01389	0.00694	2B		1.015	1.002		1.0326	1.0264	1.0625
Ext.	1 ¹ / ₁₆ -18 UNEF	18	0.05556	0.01389	0.00694	3A	0	1.0625	1.0538	-	1.0264	1.0228	0.9964
Int.		18	0.05556	0.01389	0.00694	3B		1.0105	1.002		1.031	1.0264	1.0625
Ext.	1 ¹ / ₁₆ -20 UN	20	0.05000	0.01250	0.00625	2A	0.0014	1.0611	1.053	-	1.0286	1.0241	1.0016
Int.		20	0.05000	0.01250	0.00625	2B		1.02	1.008		1.0359	1.03	1.0625
Ext.	1 ¹ / ₁₆ -20 UN	20	0.05000	0.01250	0.00625	3A	0	1.0625	1.0544	-	1.03	1.0266	1.003
Int.		20	0.05000	0.01250	0.00625	3B		1.0162	1.008		1.0344	1.03	1.0625
Ext.	1 ¹ / ₁₆ -28 UN	28	0.03571	0.00893	0.00446	2A	0.0012	1.0613	1.0548	-	1.0381	1.0341	1.0187
Int.		28	0.03571	0.00893	0.00446	2B		1.032	1.024		1.0445	0.0393	1.0625
Ext.	1 ¹ / ₁₆ -28 UN	28	0.03571	0.00893	0.00446	3A	0	1.0625	0.056	-	1.0393	1.0363	1.0199
Int.		28	0.03571	0.00893	0.00446	3B		1.0301	1.024		1.0432	1.0393	1.0625
Ext.	1 ¹ / ₈ -7 UNC	7	0.14286	0.03571	0.01786	1A	0.0022	1.1228	1.0982	-	1.03	1.0191	0.9527
Int.		7	0.14286	0.03571	0.01786	1B		0.998	0.97		1.0416	1.0322	1.125
Ext.	1 ¹ / ₈ -7 UNC	7	0.14286	0.03571	0.01786	2A	0.0022	1.1228	1.1064	1.098	1.03	1.0228	0.9527
Int.		7	0.14286	0.03571	0.01786	2B		0.998	0.97		1.0393	1.0322	1.125
Ext.	1 ¹ / ₈ -7 UNC	7	0.14286	0.03571	0.01786	3A	0	1.125	1.1086	-	1.0322	1.0268	0.9549
Int.		7	0.14286	0.03571	0.01786	3B		0.9875	0.97		0.9645	1.0322	1.125
Ext.	1 ¹ / ₈ -8 UN	8	0.12500	0.03125	0.01563	2A	0.0021	1.1229	1.1079	1.1	1.0417	1.0348	0.9741
Int.		8	0.12500	0.03125	0.01563	2B		1.015	0.99		1.0528	1.0438	1.125
Ext.	1 ¹ / ₈ -8 UN	8	0.12500	0.03125	0.01563	3A	0	1.125	1.11	-	1.0438	1.0386	0.9762
Int.		8	0.12500	0.03125	0.01563	3B		1.0047	0.99		1.0505	1.0438	1.125
Ext.	1 ¹ / ₈ -10 UNS	10	0.10000	0.02500	0.01250	2A	0.0018	1.1232	1.1103	-	1.0582	1.052	1.0042
Int.		10	0.10000	0.02500	0.01250	2B		1.038	1.017		1.068	1.06	1.125
Ext.	1 ¹ / ₈ -12 UNF	12	0.08333	0.02083	0.01042	1A	0.0018	1.1232	1.106	-	1.0691	1.0601	1.024
Int.		12	0.08333	0.02083	0.01042	1B		1.053	1.035		1.0826	1.0709	1.125
Ext.	1 ¹ / ₈ -12 UNF	12	0.08333	0.02083	0.01042	2A	0.0018	1.1232	1.1118	-	1.0691	1.0631	1.024
Int.		12	0.08333	0.02083	0.01042	2B		1.053	1.035		1.0787	1.0709	1.125
Ext.	1 ¹ / ₈ -12 UNF	12	0.08333	0.02083	0.01042	3A	0	1.125	1.1136	-	1.0709	1.0664	1.0258
Int.		12	0.08333	0.02083	0.01042	3B		1.0448	1.035		1.0768	1.0709	1.125
Ext.	1 ¹ / ₈ -14 UNS	14	0.07143	0.01786	0.00893	2A	0.0016	1.1234	1.1131	-	1.077	1.0717	1.0384
Int.		14	0.07143	0.01786	0.00893	2B		1.064	1.048		1.0855	1.0786	1.125

Ext.	1 ¹ / ₈ -16 UN	16	0.06250	0.01563	0.00781	2A	0.0015	1.1235	1.1141	-	1.0829	1.0779	1.049
Int.		16	0.06250	0.01563	0.00781	2B		1.071	1.057	-	1.0909	1.0844	1.125
Ext.	1 ¹ / ₈ -16 UN	16	0.06250	0.01563	0.00781	3A	0	1.125	1.1156	-	1.0844	1.0807	1.0505
Int.		16	0.06250	0.01563	0.00781	2B		1.0658	1.057	-	1.0893	1.0844	1.125
Ext.	1 ¹ / ₈ -18 UNEF	18	0.05556	0.01389	0.00694	2A	0.0014	1.1236	1.1149	-	1.0875	1.0828	1.0575
Int.		18	0.05556	0.01389	0.00694	2B		1.078	1.065	-	1.0951	1.0889	1.125
Ext.	1 ¹ / ₈ -18 UNEF	18	0.05556	0.01389	0.00694	3A	0	1.125	1.1163	-	1.0889	1.0853	1.0589
Int.		18	0.05556	0.01389	0.00694	3B		1.073	1.065	-	1.0935	1.0889	1.125
Ext.	1 ¹ / ₈ -20 UN	20	0.05000	0.01250	0.00625	2A	0.0014	1.1236	1.1155	-	1.0911	1.0866	1.0641
Int.		20	0.05000	0.01250	0.00625	2B		1.082	1.071	-	1.0984	1.0925	1.125
Ext.	1 ¹ / ₈ -20 UN	20	0.05000	0.01250	0.00625	3A	0	1.125	1.1169	-	1.0925	1.0891	1.0655
Int.		20	0.05000	0.01250	0.00625	3B		1.0787	1.071	-	1.0969	1.0925	1.125
Ext.	1 ¹ / ₈ -24 UNS	24	0.04167	0.01042	0.00521	2A	0.0013	1.1237	1.1165	-	1.0966	1.0924	1.0742
Int.		24	0.04167	0.01042	0.00521	2B		1.09	1.08	-	1.1034	1.0979	1.125
Ext.	1 ¹ / ₈ -28 UN	28	0.03571	0.00893	0.00446	2A	0.0012	1.1238	1.1173	-	1.1006	1.0966	1.0812
Int.		28	0.03571	0.00893	0.00446	2B		1.095	1.086	-	1.107	1.1018	1.125
Ext.	1 ¹ / ₈ -28 UN	28	0.03571	0.00893	0.00446	3A	0	1.125	1.1185	-	1.1018	1.0988	1.0824
Int.		28	0.03571	0.00893	0.00446	3B		1.0926	1.086	-	1.1057	1.1018	1.125
Ext.	1 ³ / ₁₆ -8 UN	8	0.12500	0.03125	0.01563	2A	0.0021	1.1854	1.1704	-	1.1042	1.0972	1.0366
Int.		8	0.12500	0.03125	0.01563	2B		1.077	1.052	-	1.1154	1.1063	1.1875
Ext.	1 ³ / ₁₆ -8 UN	8	0.12500	0.03125	0.01563	3A	0	1.1875	1.1725	-	1.1063	1.1011	1.0387
Int.		8	0.12500	0.03125	0.01563	3B		1.0672	1.052	-	1.1131	1.1063	1.1875
Ext.	1 ³ / ₁₆ -12 UN	12	0.08333	0.02083	0.01042	2A	1.0017	1.1858	1.1744	-	1.1317	1.1259	1.0866
Int.		12	0.08333	0.02083	0.01042	2B		1.115	1.097	-	1.1409	1.1334	1.1875
Ext.	1 ³ / ₁₆ -12 UN	12	0.08333	0.02083	0.01042	3A	0	1.1872	1.1761	-	1.1334	1.1291	1.0883
Int.		12	0.08333	0.02083	0.01042	3B		1.1073	1.097	-	1.139	1.1334	1.1875
Ext.	1 ³ / ₁₆ -16 UN	16	0.06250	0.01563	0.00781	2A	0.0015	1.186	1.1766	-	1.1454	1.1403	1.1115
Int.		16	0.06250	0.01563	0.00781	2B		1.134	1.12	-	1.1535	1.1469	1.1875
Ext.	1 ³ / ₁₆ -16 UN	16	0.06250	0.01563	0.00781	3A	0	1.1875	1.1781	-	1.1469	1.1431	1.113
Int.		16	0.06250	0.01563	0.00781	3B		1.1283	1.12	-	1.1519	1.1469	1.1875
Ext.	1 ³ / ₁₆ -18 UNEF	18	0.05556	0.01389	0.00694		0.0015	1.186	1.1773	-	1.1499	1.145	1.1199
Int.		18	0.05556	0.01389	0.00694	2B		1.14	1.127	-	1.1577	1.1514	1.1875
Ext.	1 ³ / ₁₆ -18 UNEF	18	0.05556	0.01389	0.00694		0	1.1875	1.1788	-	1.1514	1.1478	1.1214
Int.		18	0.05556	0.01389	0.00694	3B		1.1355	1.127	-	1.1561	1.1514	1.1875
Ext.	1 ³ / ₁₆ -20 UN	20	0.05000	0.01250	0.00625		0.0014	1.1861	1.178	-	1.1536	1.1489	1.1266
Int.		20	0.05000	0.01250	0.00625	2B		1.145	1.133	-	1.1611	1.155	1.1875
Ext.	1 ³ / ₁₆ -20 UN	20	0.05000	0.01250	0.00625		0	1.1875	1.1794	-	1.155	1.1515	1.128

Int.		20	0.05000	0.01250	0.00625	3B		1.1412	1.133		1.1595	1.155	1.1875
Ext.	1 ³ / ₁₆ -28 UN	28	0.03571	0.00893	0.00446		0.0012	1.1863	1.1798	-	1.1631	1.159	1.1437
Int.		28	0.03571	0.00893	0.00446	2B		1.157	1.149		1.1696	1.1643	1.1875
Ext.	1 ³ / ₁₆ -28 UN	28	0.03571	0.00893	0.00446		0	1.1875	1.181	-	1.1643	0.1612	1.1449
Int.		28	0.03571	0.00893	0.00446	3B		1.1551	1.149		1.1683	1.1643	1.1875

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