

## 1.625-6 UN to 1.9375-20 UN Threads

Nominal Size, TPI, Series		Pitch TPI	Pitch inch	<u>P/4</u>	<u>P/8</u>	<u>Max Major</u>	Min Major	<u>Min</u>	<u>Max Pitch</u>	Min Pitch	<u>UNR Minor Dia</u>
				inch	inch	inch	Max Minor		Min Minor	Major Dia (Min)	
Ext.	1 <sup>5</sup> / <sub>8</sub> -6 UN	6	0.16667	0.04167	0.02083	1.6225	1.6043	-	1.5142	1.506	1.4246
Int.		6	0.16667	0.04167	0.02083	1.475	1.445		1.5274	1.5167	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -6 UN	6	0.16667	0.04167	0.02083	1.625	1.6068	-	1.5167	1.5105	1.4271
Int.		6	0.16667	0.04167	0.02083	1.4646	1.445		1.5247	1.5167	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -8 UN	8	0.12500	0.03125	0.01563	1.6228	1.6078	1.6	1.5416	1.5342	1.4784
Int.		8	0.12500	0.03125	0.01563	1.515	1.49		1.5535	1.5438	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -8 UN	8	0.12500	0.03125	0.01563	1.625	1.61	-	1.5438	1.5382	1.4806
Int.		8	0.12500	0.03125	0.01563	1.5047	1.49		1.551	1.5438	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -10 UNS	10	0.10000	0.02500	0.01250	1.6231	1.6102	-	1.5581	1.5517	1.5041
Int.		10	0.10000	0.02500	0.01250	1.538	1.517		1.5683	1.56	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -12 UN	12	0.08333	0.02083	0.01042	1.6232	1.6118	-	1.5691	1.5632	1.524
Int.		12	0.08333	0.02083	0.01042	1.553	1.535		1.5785	1.5709	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -12 UN	12	0.08333	0.02083	0.01042	1.625	1.6136	-	1.5709	1.5665	1.5258
Int.		12	0.08333	0.02083	0.01042	1.5448	1.535		1.5766	1.5709	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -14 UNS	14	0.07143	0.01786	0.00893	1.6233	1.613	-	1.5769	1.5714	1.5383
Int.		14	0.07143	0.01786	0.00893	1.564	1.548		1.5858	1.5786	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -16 UN	16	0.06250	0.01563	0.00781	1.6234	1.614	-	1.5828	1.5776	1.5489
Int.		16	0.06250	0.01563	0.00781	1.571	1.557		1.5912	1.5844	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -16 UN	16	0.06250	0.01563	0.00781	1.625	1.6156	-	1.5844	1.5805	1.5505
Int.		16	0.06250	0.01563	0.00781	1.5658	1.557		1.5895	1.5844	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -18 UNEF	18	0.05556	0.01389	0.00694	1.6235	1.6148	-	1.5874	1.5824	1.5574
Int.		18	0.05556	0.01389	0.00694	1.578	1.565		1.5954	1.5889	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -18 UNEF	18	0.05556	0.01389	0.00694	1.625	1.6163	-	1.5889	1.5852	1.5589
Int.		18	0.05556	0.01389	0.00694	1.573	1.565		1.5937	1.5889	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -20 UN	20	0.05000	0.01250	0.00625	1.6236	1.6155	-	1.5911	1.5863	1.5641
Int.		20	0.05000	0.01250	0.00625	1.582	1.571		1.5987	1.5925	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -20 UN	20	0.05000	0.01250	0.00625	1.625	1.6169	-	1.5925	1.5889	1.5655
Int.		20	0.05000	0.01250	0.00625	1.5787	1.571		1.5971	1.5925	1.625
Ext.	1 <sup>5</sup> / <sub>8</sub> -24 UNS	24	0.04167	0.01042	0.00521	1.6237	1.6165	-	1.5966	1.5922	1.5741
Int.		24	0.04167	0.01042	0.00521	1.59	1.58		1.6037	1.5979	1.625
Ext.	1 <sup>11</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.685	1.6668	-	1.5767	1.5684	1.4866
Int.		6	0.16667	0.04167	0.02083	1.538	1.507		1.59	1.5792	1.6875

Ext.	1 <sup>11</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.6875	1.6693	-	1.5792	1.573	1.4891
Int.		6	0.16667	0.04167	0.02083	1.5271	1.507	-	1.5873	1.5792	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.6853	1.6703	-	1.6041	1.5966	1.5365
Int.		8	0.12500	0.03125	0.01563	1.577	1.552	-	1.616	1.6063	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.6875	1.6725	-	1.6063	1.6007	1.5387
Int.		8	0.12500	0.03125	0.01563	1.5672	1.552	-	1.6136	1.6063	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.6857	1.6743	-	1.6316	1.6256	1.5865
Int.		12	0.08333	0.02083	0.01042	1.615	1.597	-	1.6412	1.6334	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.6875	1.6761	-	1.6334	1.6289	1.5883
Int.		12	0.08333	0.02083	0.01042	1.6073	1.597	-	1.6392	1.6334	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.6859	1.6765	-	1.6453	1.64	1.6114
Int.		16	0.06250	0.01563	0.00781	1.634	1.62	-	1.6538	1.6469	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.6875	1.6781	-	1.6469	1.6429	1.613
Int.		16	0.06250	0.01563	0.00781	1.6283	1.62	-	1.6521	1.6469	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -18 UNEF	18	0.05556	0.01389	0.00694	1.686	1.6773	-	1.6499	1.6448	1.6199
Int.		18	0.05556	0.01389	0.00694	1.64	1.627	-	1.658	1.6514	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -18 UNEF	18	0.05556	0.01389	0.00694	1.6875	1.6788	-	1.6514	1.6476	1.6214
Int.		18	0.05556	0.01389	0.00694	1.6355	1.627	-	1.6563	1.6514	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.686	1.6779	-	1.6535	1.6487	1.6265
Int.		20	0.05000	0.01250	0.00625	1.645	1.633	-	1.6613	1.655	1.6875
Ext.	1 <sup>11</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.6875	1.6794	-	1.655	1.6514	1.628
Int.		20	0.05000	0.01250	0.00625	1.6412	1.633	-	1.6597	1.655	1.6875
Ext.	1 <sup>3</sup> / <sub>4</sub> -5 UNC	5	0.20000	0.05000	0.02500	1.7473	1.7165	-	1.6174	1.604	1.5092
Int.		5	0.20000	0.05000	0.02500	1.568	1.534	-	1.6375	1.6201	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -5 UNC	5	0.20000	0.05000	0.02500	1.7473	1.7268	1.717	1.6174	1.6085	1.5092
Int.		5	0.20000	0.05000	0.02500	1.568	1.534	-	1.6317	1.6201	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -5 UNC	5	0.20000	0.05000	0.02500	1.75	1.7295	-	1.6201	1.6134	1.5119
Int.		5	0.20000	0.05000	0.02500	1.5575	1.534	-	1.6288	1.6201	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -6 UN	6	0.16667	0.04167	0.02083	1.7475	1.7293	-	1.6392	1.6309	1.5491
Int.		6	0.16667	0.04167	0.02083	1.6	1.57	-	1.6525	1.6417	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -6 UN	6	0.16667	0.04167	0.02083	1.75	1.7318	-	1.6417	1.6354	1.5516
Int.		6	0.16667	0.04167	0.02083	1.5896	1.57	-	1.6498	1.6417	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -8 UN	8	0.12500	0.03125	0.01563	1.7477	1.7327	1.725	1.6665	1.659	1.5989
Int.		8	0.12500	0.03125	0.01563	1.64	1.615	-	1.6786	1.6688	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -8 UN	8	0.12500	0.03125	0.01563	1.75	1.735	-	1.6688	1.6632	1.6012
Int.		8	0.12500	0.03125	0.01563	1.6297	1.615	-	1.6762	1.6688	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -10 UNS	10	0.10000	0.02500	0.01250	1.7481	1.7352	-	1.6831	1.6766	1.6291

Int.		10	0.10000	0.02500	0.01250	1.663	1.642	-	1.6934	1.685	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -12 UN	12	0.08333	0.02083	0.01042	1.7482	1.7368	-	1.6941	1.6881	1.649
Int.		12	0.08333	0.02083	0.01042	1.678	1.66	-	1.7037	1.6959	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -12 UN	12	0.08333	0.02083	0.01042	1.75	1.7386	-	1.6959	1.6914	1.6508
Int.		12	0.08333	0.02083	0.01042	1.6698	1.66	-	1.7017	1.6959	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -14 UNS	14	0.07143	0.01786	0.00893	1.7483	1.738	-	1.7019	1.6963	1.6632
Int.		14	0.07143	0.01786	0.00893	1.688	1.673	-	1.7109	1.7036	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -16 UN	16	0.06250	0.01563	0.00781	1.7484	1.739	-	1.7078	1.7025	1.6739
Int.		16	0.06250	0.01563	0.00781	1.696	1.682	-	1.7163	1.7094	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -16 UN	16	0.06250	0.01563	0.00781	1.75	1.7406	-	1.7094	1.7054	1.6755
Int.		16	0.06250	0.01563	0.00781	1.6908	1.682	-	1.7146	1.7094	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -18 UNS	18	0.05556	0.01389	0.00694	1.7485	1.7398	-	1.7124	1.7073	1.6824
Int.		18	0.05556	0.01389	0.00694	1.703	1.69	-	1.7205	1.7139	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -20 UN	20	0.05000	0.01250	0.00625	1.7485	1.7404	-	1.716	1.7112	1.689
Int.		20	0.05000	0.01250	0.00625	1.707	1.696	-	1.7238	1.7175	1.75
Ext.	1 <sup>3</sup> / <sub>4</sub> -20 UN	20	0.05000	0.01250	0.00625	1.75	1.7419	-	1.7175	1.7139	1.6905
Int.		20	0.05000	0.01250	0.00625	1.7037	1.696	-	1.7222	1.7175	1.75
Ext.	1 <sup>13</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.81	1.7918	-	1.7017	1.6933	1.6116
Int.		6	0.16667	0.04167	0.02083	1.663	1.632	-	1.7151	1.7042	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.8125	1.7943	-	1.7042	1.6979	1.6141
Int.		6	0.16667	0.04167	0.02083	1.6521	1.632	-	1.7124	1.7042	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.8102	1.7952	-	1.729	1.7214	1.6614
Int.		8	0.12500	0.03125	0.01563	1.702	1.677	-	1.7412	1.7313	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.8125	1.7975	-	1.7313	1.7256	1.6637
Int.		8	0.12500	0.03125	0.01563	1.6922	1.677	-	1.7387	1.7313	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.8107	1.7993	-	1.7566	1.7506	1.7115
Int.		12	0.08333	0.02083	0.01042	1.74	1.722	-	1.7662	1.7584	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.8125	1.8011	-	1.7584	1.7539	1.7133
Int.		12	0.08333	0.02083	0.01042	1.7323	1.722	-	1.7642	1.7584	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.8109	1.8015	-	1.7703	1.765	1.7364
Int.		16	0.06250	0.01563	0.00781	1.759	1.745	-	1.7788	1.7719	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.8125	1.8031	-	1.7719	1.7679	1.738
Int.		16	0.06250	0.01563	0.00781	1.7533	1.745	-	1.7771	1.7719	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.811	1.8029	-	1.7785	1.7737	1.7515
Int.		20	0.05000	0.01250	0.00625	1.77	1.758	-	1.7863	1.78	1.8125
Ext.	1 <sup>13</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.8125	1.8044	-	1.78	1.7764	1.753
Int.		20	0.05000	0.01250	0.00625	1.7662	1.758	-	1.7847	1.78	1.8125

Ext.	1 <sup>7</sup> / <sub>8</sub> -6 UN	6	0.16667	0.04167	0.02083	1.8725	1.8543	-	1.7642	1.7558	1.6741
Int.		6	0.16667	0.04167	0.02083	1.725	1.695	-	1.7777	1.7667	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -6 UN	6	0.16667	0.04167	0.02083	1.875	1.8568	-	1.7667	1.7604	1.6766
Int.		6	0.16667	0.04167	0.02083	1.7146	1.695	-	1.7749	1.7667	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -8 UN	8	0.12500	0.03125	0.01563	1.8727	1.8577	1.85	1.7915	1.7838	1.7239
Int.		8	0.12500	0.03125	0.01563	1.765	1.74	-	1.8038	1.7938	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -8 UN	8	0.12500	0.03125	0.01563	1.875	1.86	-	1.7938	1.7881	1.7262
Int.		8	0.12500	0.03125	0.01563	1.7547	1.74	-	1.8013	1.7938	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -10 UNS	10	0.10000	0.02500	0.01250	1.8731	1.8602	-	1.8081	1.8016	1.7541
Int.		10	0.10000	0.02500	0.01250	1.788	1.767	-	1.8184	1.81	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -12 UN	12	0.08333	0.02083	0.01042	1.8732	1.8618	-	1.8191	1.8131	1.774
Int.		12	0.08333	0.02083	0.01042	1.803	1.785	-	1.8287	1.8209	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -12 UN	12	0.08333	0.02083	0.01042	1.875	1.8636	-	1.8209	1.8164	1.7758
Int.		12	0.08333	0.02083	0.01042	1.7948	1.785	-	1.8267	1.8209	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -14 UNS	14	0.07143	0.01786	0.00893	1.8733	1.863	-	1.8269	1.8213	1.7883
Int.		14	0.07143	0.01786	0.00893	1.814	1.798	-	1.8359	1.8286	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -16 UN	16	0.06250	0.01563	0.00781	1.8734	1.864	-	1.8328	1.8275	1.7989
Int.		16	0.06250	0.01563	0.00781	1.821	1.807	-	1.8413	1.8344	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -16 UN	16	0.06250	0.01563	0.00781	1.875	1.8656	-	1.8344	1.8304	1.8005
Int.		16	0.06250	0.01563	0.00781	1.8158	1.807	-	1.8396	1.8344	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -18 UNS	18	0.05556	0.01389	0.00694	1.8735	1.8648	-	1.8374	1.8323	1.8074
Int.		18	0.05556	0.01389	0.00694	1.828	1.815	-	1.8455	1.8389	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -20 UN	20	0.05000	0.01250	0.00625	1.8735	1.8654	-	1.841	1.8362	1.814
Int.		20	0.05000	0.01250	0.00625	1.832	1.821	-	1.8488	1.8425	1.875
Ext.	1 <sup>7</sup> / <sub>8</sub> -20 UN	20	0.05000	0.01250	0.00625	1.875	1.8669	-	1.8425	1.8389	1.8155
Int.		20	0.05000	0.01250	0.00625	1.8287	1.821	-	1.8472	1.8425	1.875
Ext.	1 <sup>15</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.9349	1.9167	-	1.8266	1.8181	1.7365
Int.		6	0.16667	0.04167	0.02083	1.788	1.757	-	1.8403	1.8292	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -6 UN	6	0.16667	0.04167	0.02083	1.9375	1.9193	-	1.8292	1.8228	1.7391
Int.		6	0.16667	0.04167	0.02083	1.7771	1.757	-	1.8375	1.8292	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.9352	1.9202	-	1.854	1.8463	1.7864
Int.		8	0.12500	0.03125	0.01563	1.827	1.802	-	1.8663	1.8563	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -8 UN	8	0.12500	0.03125	0.01563	1.9375	1.9225	-	1.8563	1.8505	1.7887
Int.		8	0.12500	0.03125	0.01563	1.8172	1.802	-	1.8638	1.8563	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.9357	1.9243	-	1.8816	1.8755	1.8365
Int.		12	0.08333	0.02083	0.01042	1.865	1.847	-	1.8913	1.8834	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -12 UN	12	0.08333	0.02083	0.01042	1.9375	1.9261	-	1.8834	1.8789	1.8383

Int.		12	0.08333	0.02083	0.01042	1.8573	1.847		1.8893	1.8834	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.9359	1.9265	-	1.8953	1.8899	1.8614
Int.		16	0.06250	0.01563	0.00781	1.884	1.87		1.9039	1.8969	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -16 UN	16	0.06250	0.01563	0.00781	1.9375	1.9281	-	1.8969	1.8929	1.863
Int.		16	0.06250	0.01563	0.00781	1.8783	1.87		1.9021	1.8969	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.936	1.9279	-	1.9035	1.8986	1.8765
Int.		20	0.05000	0.01250	0.00625	1.895	1.883		1.9114	1.905	1.9375
Ext.	1 <sup>15</sup> / <sub>16</sub> -20 UN	20	0.05000	0.01250	0.00625	1.9375	1.9294	-	1.905	1.9013	1.878
Int.		20	0.05000	0.01250	0.00625	1.8912	1.883		1.9098	1.905	1.9375

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