

BSW THREAD CHART

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BSW - BRITISH STANDARD WHITWORTH															
Thread	Outside dia.		Thread pitch		Tapping drill size			Thread data			Bolt/Nut/Washer sizes				
	inch	MM	TPI	Pitch (inch)	inch	MM	Let/Num Fraction	Root dia (inch)	Depth (inch)	Angle deg.	Hex AF (inch)	Head Depth (inch)	Std. Nut Depth (inch)	Lock Nut Depth (inch)	Washer Face Dia (inch)
1/16" BSW	0.063	1.59	60	0.02	0.047	1.18	56	0.041	0.011	55					
3/32" BSW	0.094	2.38	48	0.03	0.070	1.78	50	0.067	0.013	55					
1/8" BSW	0.125	3.18	40	0.03	0.098	2.50	40	0.093	0.016	55	0.338				
5/32" BSW	0.156	3.97	32	0.03	0.120	3.05	31	0.116	0.020	55					
3/16" BSW	0.188	4.76	24	0.04	0.146	3.70	27	0.134	0.027	55	0.445				
7/32" BSW	0.219	5.55	24	0.04	0.173	4.39	17	0.165	0.027	55					
1/4" BSW	0.250	6.35	20	0.05	0.201	5.10	8	0.186	0.032	55	0.525	0.176	0.200	0.185	0.428
5/16" BSW	0.313	7.94	18	0.06	0.256	6.50	E	0.241	0.036	55	0.600	0.218	0.250	0.210	0.508
3/8" BSW	0.375	9.53	16	0.06	0.313	7.94	5/16"	0.295	0.040	55	0.710	0.260	0.312	0.260	0.582
7/16" BSW	0.438	11.11	14	0.07	0.362	9.20	23/64"	0.346	0.046	55	0.820	0.302	0.375	0.275	0.690
1/2" BSW	0.500	12.70	12	0.08	0.413	10.50	Z	0.393	0.053	55	0.920	0.343	0.437	0.300	0.800
9/16" BSW	0.563	14.29	12	0.08	0.476	12.10	31/64"	0.456	0.053	55	1.010	0.375	0.500	0.333	0.900
5/8" BSW	0.625	15.88	11	0.09	0.532	13.50	17/32"	0.509	0.058	55	1.100	0.417	0.562	0.375	0.985
11/16" BSW	0.688	17.46	11	0.09	0.594	15.08	19/32"	0.571	0.058	55	1.200				
3/4" BSW	0.750	19.05	10	0.10	0.641	16.27	41/64"	0.622	0.064	55	1.300	0.500	0.687	0.458	1.175
13/16" BSW	0.813	20.64	10	0.10	0.713	18.10	23/32"	0.684	0.064	55	1.390				
7/8" BSW	0.875	22.23	9	0.11	0.750	19.05	3/4"	0.733	0.711	55	1.480	0.583	0.750	0.500	1.273
15/16" BSW	0.938	23.81	9	0.11	0.828	21.03	53/64"	0.795	0.071	55	1.575				
1" BSW	1.000	25.40	8	0.13	0.866	22.00	55/64"	0.840	0.080	55	1.670	0.666	0.875	0.583	1.453
1-1/8" BSW	1.125	28.58	7	0.14	0.974	24.75	31/32"	0.942	0.092	55	1.860	0.750	1.000	0.666	1.620
1-1/4" BSW	1.250	31.75	7	0.14	1.094	27.78	1-3/32"	1.067	0.092	55	2.050	0.830	1.125	0.750	1.795
1-3/8" BSW	1.375	34.93	6	0.17	1.188	30.16	1-3/8"	1.162	0.107	55	2.220	0.920	1.250	0.833	1.985
1-1/2" BSW	1.500	38.10	6	0.17	1.319	33.50	1-5/16"	1.287	0.107	55	2.410	1.000	1.375	0.916	2.155
1-5/8" BSW	1.625	41.28	5	0.20	1.375	34.93	1-3/8"	1.369	0.128	55	2.580				
1-3/4" BSW	1.750	44.45	5	0.20	1.535	39.00	1-17/32"	1.494	0.128	55	2.760	1.170	1.625	1.083	2.495
1-7/8" BSW	1.875	47.63	4.5	0.22	1.625	41.28	1-5/8"	1.590	0.142	55					
2" BSW	2.000	50.80	4.5	0.22	1.752	44.50	1-3/4"	1.715	0.142	55	3.150	1.330	1.750	1.166	2.675