

Metric Hexagon Screws & Nuts (All dimensions metric)

Diameter	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
Pitch	0.35	0.40	0.45	0.50	0.70	0.80	1.00	1.25	1.50	1.75	2.00	2.50	3.00
Hexagon	3.08	3.88	4.62	5.32	6.78	7.78	9.78	12.73	16.73	18.67	23.67	29.67	35.32
A/F	3.20	4.00	5.00	5.50	7.00	8.00	10.00	13.00	17.00	19.00	24.00	30.00	36.20
Hexagon	0.98	1.28	1.58	1.88	2.68	3.35	3.85	5.15	6.22	7.32	9.62	12.28	14.78
Depth	1.22	1.52	1.82	2.12	2.92	3.65	4.18	5.45	6.58	7.68	10.18	12.72	15.22
Full Nut	1.05	1.35	1.75	2.15	2.90	3.70	4.70	6.14	7.64	9.64	12.30	14.90	17.77
Depth	1.30	1.60	2.00	2.40	3.20	4.00	5.00	6.50	8.00	10.00	13.00	16.00	19.00
Lock Nut	0.75	0.95	1.35	1.55	1.95	2.45	2.90	3.75	4.70	5.70	7.42	9.10	10.90
Depth	1.00	1.20	1.60	1.80	2.20	2.70	3.20	4.00	5.00	6.00	8.00	10.00	12.00
Csk Hd	2.88	3.50	4.45	5.25	7.04	8.75	10.50	14.00	17.50	21.00	28.00	35.00	
Dia	3.52	4.40	5.50	6.30	8.40	10.00	12.00	16.00	20.00	24.00	32.00	40.00	
Csk Hd	0.98	1.20	1.50	1.85	2.20	2.50	3.00	4.00	5.00	6.00	8.00	10.00	
Depth max													
Rd Hd	2.95	3.70	4.70	5.70	7.64	9.64	11.57	15.57	19.48				
Dia	3.20	4.00	5.00	6.00	8.00	10.00	12.00	16.00	20.00				
Rd Hd	0.080	1.05	1.36	1.68	2.26	2.86	3.42	4.62	5.82				
Depth	0.093	1.20	1.50	1.80	2.40	3.00	3.60	4.80	6.00				
Ch. Hd	2.75	3.50	4.20	5.20	6.64	8.14	9.64	12.57	15.57	17.57	23.48	29.48	
Depth	3.50	3.80	4.50	5.50	7.00	8.50	10.00	13.00	16.00	18.00	24.00	30.00	
Ch Hd	0.86	1.16	1.46	1.86	2.46	3.12	3.72	4.82	5.82	6.78	8.78	10.73	
Depth	1.00	1.30	1.60	2.00	2.60	3.30	3.90	5.00	6.00	7.00	9.00	11.00	

Whitworth & BSF Hexagons BS 1083 (All dimensions imperial)

Diameter	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Teeth per inch Whit	20	18	16	12	11	10	9	8
BSF	26	22	20	16	14	12	11	10
Hexagon	0.438	0.518	0.592	0.812	1.000	1.190	1.288	1.468
A/F	0.445	0.525	0.600	0.820	1.010	1.200	1.300	1.480
Hexagon	0.166	0.208	0.250	0.333	0.407	0.480	0.563	0.636
Depth	0.176	0.218	0.260	0.343	0.417	0.500	0.583	0.666
Full Nut	0.190	0.240	0.302	0.427	0.552	0.677	0.740	0.865
Depth	0.200	0.250	0.312	0.437	0.562	0.687	0.750	0.875
Lock Nut	0.123	0.156	0.198	0.281	0.365	0.448	0.490	0.573
Depth	0.133	0.166	0.208	0.291	0.375	0.458	0.500	0.583

Whitworth & BSF Screws BS450 & Nuts BS1083 (All dimensions imperial)

Diameter	1/8	3/16	1/4	5/16	3/8	1/2
Teeth per inch Whit	40	32	20	18	16	12
BSF	-	32	26	22	20	16
Csk Hd Dia.	0.201	0.307	0.412	0.518	0.624	0.835
	0.219	0.328	0.438	0.547	0.656	0.875
Csk Hd Depth Max.	0.056	0.084	0.113	0.141	0.169	0.225
Rd Hd Dia.	0.208	0.312	0.417	0.524	0.629	0.840
	0.219	0.328	0.438	0.547	0.656	0.875
Rd Hd Depth	0.082	0.124	0.165	0.207	0.249	0.333
	0.087	0.131	0.175	0.219	0.262	0.350
Ch. Hd Dia.	0.180	0.270	0.360	0.450	0.540	0.720
	0.188	0.281	0.375	0.469	0.562	0.750
Ch. Hd Depth	0.082	0.124	0.165	0.207	0.249	0.333
	0.087	0.131	0.175	0.219	0.262	0.350
Raised Csk. Dia	0.201	0.307	0.412	0.518	0.624	
	0.219	0.328	0.438	0.547	0.656	
Rsd Csk. Depth	0.082	0.124	0.164	0.209	0.249	
M/c screw	0.216	0.319				
Nut A/F	0.220	0.324				
M/c screw						
Nut Depth	0.115	0.162				

NOTE: The above information is provided for guidance only and should not be used when working to stringent specifications.