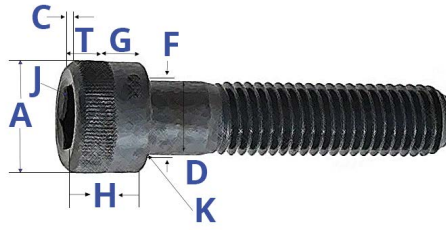


Socket Head Cap Screws: Dimensions and Specifications

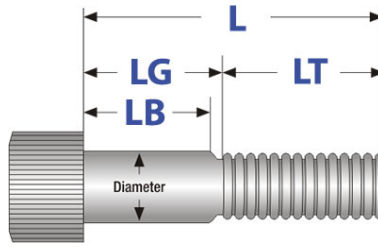


Standard Socket Head Cap Screw Dimensions (Alloy & Stainless Steel)				ASME B18.3-2003									
Basic Screw Diameter	Body Diameter (D)		Head Diameter (A)		Head Height (H)		Top Chamfer or Radius (C)	Hex Socket Size (J)	Fillet Junctionure Diameter at Bearing Surface (F)		Key Engagement (T)	Wall Thickness (G)	Bottom Chamfer or Radius (K)
	Max	Min	Max	Min	Max	Min	Max	Nom	Max	Min	Min	Min	Max
0	0.0600	0.0568	0.096	0.091	0.060	0.057	0.004	0.050	0.074	0.062	0.025	0.020	0.007
1	0.0730	0.0695	0.118	0.112	0.073	0.070	0.005	1/16	0.087	0.075	0.031	0.025	0.007
2	0.0860	0.0822	0.140	0.134	0.086	0.083	0.008	5/64	0.102	0.090	0.038	0.029	0.007
3	0.0990	0.0949	0.161	0.154	0.099	0.095	0.008	5/64	0.115	0.102	0.044	0.034	0.007
4	0.1120	0.1075	0.183	0.176	0.112	0.108	0.009	3/32	0.130	0.117	0.051	0.038	0.008
5	0.1250	0.1202	0.205	0.198	0.125	0.121	0.012	3/32	0.145	0.132	0.057	0.043	0.008
6	0.1380	0.1329	0.226	0.218	0.138	0.134	0.013	7/64	0.158	0.144	0.064	0.047	0.008
8	0.1640	0.1585	0.270	0.262	0.164	0.159	0.014	9/64	0.188	0.172	0.077	0.056	0.008
10	0.1900	0.1840	0.312	0.303	0.190	0.185	0.018	5/32	0.218	0.202	0.090	0.065	0.008
1/4	0.2500	0.2435	0.375	0.365	0.250	0.244	0.025	3/16	0.278	0.261	0.120	0.095	0.010
5/16	0.3125	0.3053	0.469	0.457	0.312	0.306	0.033	1/4	0.347	0.329	0.151	0.119	0.010
3/8	0.3750	0.3678	0.562	0.550	0.375	0.368	0.040	5/16	0.415	0.397	0.182	0.143	0.010
7/16	0.4375	0.4294	0.656	0.642	0.438	0.430	0.047	3/8	0.484	0.465	0.213	0.166	0.015
1/2	0.5000	0.4919	0.750	0.735	0.500	0.492	0.055	3/8	0.552	0.531	0.245	0.190	0.015
5/8	0.6250	0.6163	0.938	0.921	0.625	0.616	0.070	1/2	0.689	0.664	0.307	0.238	0.015
3/4	0.7500	0.7406	1.125	1.107	0.750	0.740	0.085	5/8	0.828	0.800	0.370	0.285	0.015
7/8	0.8750	0.8647	1.312	1.293	0.875	0.864	0.100	3/4	0.963	0.932	0.432	0.333	0.020
1	1.0000	0.9886	1.500	1.479	1.000	0.988	0.114	3/4	1.100	1.068	0.495	0.380	0.020
1-1/4	1.2500	1.2336	1.875	1.852	1.250	1.236	0.144	7/8	1.370	1.333	0.620	0.475	0.020
1-1/2	1.5000	1.4818	2.250	2.224	1.500	1.485	0.176	1	1.640	1.601	0.745	0.570	0.020

Socket Cap Screws : Nominal Thread Length	Tolerance on Length	Nominal Screw Size	Nominal Screw Length			
			Up to 1"	Over 1" - 2-1/2"	Over 2-1/2" - 6"	Over 4" - 6"
			0 thru 3/8	-.03	-.04	-.06
7/16 thru 3/4	-.03	-.06	-.08	-.12		
7/8 thru 1-1/2	-.05	-.10	-.14	-.20		

Nominal Size	Tensile Strength (lbs., min)				Yield Strength (lbs., min)				Body Section		Tightening Torque (in. - lbs.)			
	UNRC		UNRF		UNRC		UNRF		Single Shear Strength (lbs., min.)		UNRC		UNRF	
	Alloy	Stainless	Alloy	Stainless	Alloy	Stainless	Alloy	Stainless	Alloy	Stainless	Alloy	Stainless	Alloy	Stainless
0	-	-	320	145	-	-	290	72	305	130	-	-	2.6	1.4
1	475	-	500	220	425	-	450	111	450	190	4.5	-	4.8	2.3
2	665	295	710	-	600	185	635	-	625	260	7.5	3.8	8.0	-
3	875	-	940	-	790	-	845	-	830	-	11.0	-	12.0	-
4	1,090	480	1,190	-	975	240	1,070	-	1,060	350	16.0	6.0	18.0	-
5	1,430	-	1,490	-	1,290	-	1,345	-	1,325	-	24.0	-	24.0	-
6	1,640	725	1,825	-	1,470	363	1,645	-	1,615	375	30.0	15.0	34.0	-
8	2,520	1,120	2,650	-	2,270	560	2,385	-	2,280	670	55.0	28.0	58.0	-
10	3,150	1,400	3,600	1,600	2,835	701	3,240	800	3,060	950	79.0	40.0	90.0	46.0
1/4	5,725	2,550	6,550	2,910	5,150	1,273	5,900	1,455	5,295	2,200	200.0	95.0	230.0	109.0
5/16	9,430	4,200	10,440	4,645	8,490	2,100	9,395	2,230	8,285	3,450	415.0	170.0	460.0	188.0
3/8	13,950	6,100	15,805	7,025	12,555	3,100	14,225	3,510	11,910	4,970	740.0	301.0	845.0	341.0
7/16	19,135	-	21,365	-	17,220	-	19,230	-	16,200	-	1,190.0	-	1,305.0	-
1/2	25,540	11,350	28,780	-	22,990	5,675	25,905	-	21,175	8,840	1,800.0	750.0	2,065.0	-
5/8	38,400	-	43,500	-	34,550	-	39,150	-	31,300	-	3,400.0	-	3,800.0	-
3/4	56,750	-	63,400	-	51,100	-	57,050	-	45,050	-	6,000.0	-	6,750.0	-
7/8	78,500	-	86,500	-	70,700	-	77,850	-	61,350	-	8,250.0	-	9,200.0	-
1	103,000	-	112,700	-	92,700	-	101,450	-	80,100	-	12,500.0	-	13,000.0	-
1-1/4	164,700	-	182,400	-	148,250	-	164,150	-	125,100	-	25,000.0	-	27,750.0	-
1-1/2	238,800	-	268,800	-	215,950	-	241,900	-	180,200	-	43,500.0	-	49,000.0	-

Socket Head Cap Screws: Dimensions and Specifications, p2








Body and Grip Lengths of Standard Head Socket Cap Screws												ASME B18.3-2003																											
Nominal Size (D)	0		1		2		3		4		5		6		8		10		1/4		5/16		3/8		7/16		1/2		5/8		3/4		7/8		1				
Basic Thread Length (LT)	0.500		0.625		0.625		0.625		.750		.750		.750		.875		.875		1.000		1.125		1.250		1.375		1.500		1.750		2.000		2.250		2.500				
Nominal Length (L)	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB	LG	LB			
1.00	0.50	0.44	0.25	0.17	0.25	0.16	0.25	0.15	0.25	0.12	0.25	0.12																											
1.25	0.75	0.69	0.62	0.55	0.62	0.54	0.62	0.52	0.25	0.12	0.25	0.12	0.50	0.34	0.38	0.22	0.38	0.17																					
1.50			0.88	0.80	0.88	0.79	0.88	0.77	0.75	0.62	0.75	0.62	0.50	0.34	0.38	0.22	0.38	0.17	0.50	0.25																			
1.75					1.12	1.04	1.12	1.02	0.75	0.62	0.75	0.62	1.00	0.84	0.88	0.72	0.88	0.67	0.50	0.25	0.62	0.3	0.50	0.19															
2.00							1.38	1.27	1.25	1.12	1.25	1.12	1.00	0.84	0.8	0.72	0.88	0.67	1.00	0.75	0.62	0.3	0.50	0.19	0.62	0.27													
2.25									1.25	1.12	1.25	1.12	1.50	1.34	1.38	1.22	1.38	1.17	1.00	0.75	1.12	0.8	1.00	0.69	0.62	0.27	0.75	0.36											
2.50													1.75	1.62	1.50	1.34	1.38	1.22	1.38	1.17	1.50	1.25	1.12	0.8	1.00	0.69	1.12	0.77	0.75	0.36	0.75	0.30							
2.75														2.00	1.84	1.88	1.72	1.88	1.67	1.50	1.25	1.62	1.3	1.50	1.19	1.12	0.77	0.75	0.36	0.75	0.30								
3.00																1.88	1.72	1.88	1.67	2.00	1.75	1.62	1.3	1.50	1.19	1.62	1.27	1.50	1.12	0.75	0.30	1.00	0.50						
3.25																			2.38	2.17	2.00	1.75	2.12	1.8	2.00	1.69	1.62	1.27	1.50	1.12	1.50	4.04	1.00	0.50	1.00	0.44			
3.50																				2.50	2.25	2.12	1.8	2.00	1.69	2.12	1.77	1.50	1.12	1.50	1.04	1.00	0.50	1.00	0.44	1.00	0.38		
4.00																				3.00	2.75	2.62	2.3	2.50	2.19	2.62	2.27	2.25	1.86	2.25	1.80	2.00	1.50	1.00	0.44	1.00	0.38		
4.50																				3.50	3.25	3.12	2.8	3.00	2.69	3.12	2.77	3.00	2.62	2.25	1.80	2.00	1.50	2.00	1.44	2.00	1.38		
5.00																				4.00	3.75	3.62	3.3	3.50	3.19	3.62	3.27	3.00	2.62	3.00	2.54	3.00	2.50	2.00	1.44	2.00	1.38		
5.50																					4.12	3.8	4.00	3.69	4.12	3.77	3.75	3.36	3.75	3.30	3.00	2.50	3.00	2.44	3.00	2.38			
6.00																				4.62	4.3	4.50	4.19	4.62	4.27	4.50	4.12	3.75	3.30	4.00	3.50	3.00	2.44	3.00	2.38				
6.50																						4.62	4.3	4.50	4.19	4.62	4.27	4.50	4.12	3.75	3.30	4.00	3.50	3.00	2.44	3.00	2.38		
7.00																							5.00	4.69	5.12	4.77	4.50	4.12	4.50	4.04	4.00	3.50	4.00	3.44	4.00	3.38			
8.00																								5.50	5.19	5.62	5.27	5.25	4.86	5.25	4.80	5.00	4.50	4.00	3.44	4.00	3.38		
9.00																									6.62	6.27	6.00	5.62	6.00	5.54	6.00	5.50	5.00	4.44	5.00	4.38			
10.00																										7.62	7.27	7.00	6.62	6.75	6.30	7.00	6.50	6.00	5.44	6.00	5.38		
11.00																												8.00	7.62	7.75	7.30	8.00	7.50	7.00	6.44	7.00	6.38		
12.00																														9.25	8.80	9.00	8.50	8.00	7.44	8.00	7.38		
																														10.25	9.80	10.00	9.50	9.00	8.44	9.00	8.38		

Notes:

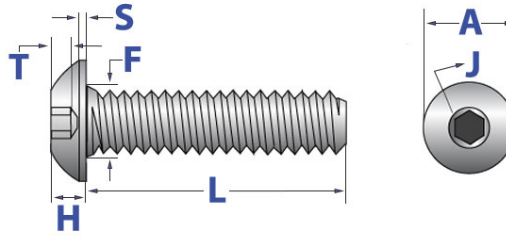
- The basic thread lengths (LT) listed directly below the nominal sizes in the table above represents the nominal length up to which all screws of that diameter shall be fully threaded.
- To determine the threaded portion of the screws with a nominal length greater than LT, subtract the minimum design grip length (LG) from the nominal length (L).

Socket Head Cap Screws: Dimensions and Specifications, p2

Socket Cap Screws : Performance & Mechanical Stats					
	Standard Head - Alloy Steel	Standard Head - Stainless Steel	Low Head - Alloy Steel	Button Head - Alloy Steel	Flat Head - Alloy Steel
					
Descriptions	An externally threaded fastener with unified threads, a cylindrical head (with a flat, chamfered top surface), knurled cylindrical sides and hexagonal recess.	An externally threaded fastener with unified threads, a cylindrical head (with a flat, chamfered top surface), knurled cylindrical sides and hexagonal recess.	Head height is 50% of a standard socket head and the socket size is smaller.	Similar thread design as a socket cap screw, but the dome-shaped head is wider and has a lower profile.	Similar to a button head socket screw, but with an 82-degree countersunk flat head.
Applications/Advantages	Precision assembly work and applications requiring a well-tooled appearance. Greater tensile strength than same size Grade 5 or 8 hex head cap screws while requiring less surface area due to the internal wrenching.	Stainless socket screws have less tensile and yield strength than alloy sockets, but superior corrosion resistance. They also retain mechanical and performance capabilities at higher than ambient temperatures.	Useful in situations where clearance is limited. *Due to design constraints, low head cap screws cannot withstand same preloads as standard socket cap screws.	Used when a wider bearing surface or smoother, finished appearance is desired. Designed for light fastening applications. Not recommended for critical, high-strength applications.	Used when a flush mount, high-strength screw is required. Often used for tools and dies where moving parts pass over an area.
Material	Alloy steel with min 0.31% Carbon, max 0.040% Phosphorus, max 0.045% Sulfur and one or more of the following elements in sufficient quantity to meet strength requirements listed below: chromium, nickel, molybdenum or vanadium.	302, 303, 304, 305, 384, XM1, or XM7 alloy	Alloy steel with min 0.31% Carbon, max 0.040% Phosphorus, max 0.045% Sulfur and one or more of the following elements in sufficient quantity to meet strength requirements listed below: chromium, nickel, molybdenum or vanadium.	Alloy steel with min 0.28 to 0.50% Carbon, max 0.040% Phosphorus, max 0.035% Sulfur and one or more of the following elements in sufficient quantity to meet strength requirements listed below: chromium, nickel, molybdenum or vanadium.	Alloy steel with min 0.28 to 0.50% Carbon, max 0.040% Phosphorus, max 0.045% Sulfur and one or more of the following elements in sufficient quantity to meet strength requirements listed below: chromium, nickel, molybdenum or vanadium.
Heat Treatment	Oil quenching from above the transformation temperature, tempered at a temp. not lower than 650 degrees F.	The only heat treatment normally available on austenitic stainless alloys is annealing, done at approx. 1900-degrees F to a dead soft condition and is not normally thermally reversible.	Oil quenching from above the transformation temperature, tempered at a temp. not lower than 650 degrees F.	Oil quenching from above the transformation temperature, tempered at a temp. not lower than 650 degrees F.	Oil quenching from above the transformation temperature, tempered at a temp. not lower than 650 degrees F.
Hardness	0 - 1/2" D: Rockwell C39 min. 5/8" D & larger: Rockwell C37 min.	Rockwell B80 min.	Rockwell C38 min.	Rockwell C38 - 44	0 - 1/2" D: Rockwell C39 - 44 Over 1/2" D: Rockwell C37 - 44
Tensile Strength	0 - 1/2" D: 180,000 psi min. 5/8" D & larger: 170,000 psi min.	80,000 psi min.	170,000 psi min.	180,000 psi min. (material only)	0 - 1/2" D: 145,000 psi min. Over 1/2" D: 135,000 psi min.
Yield Strength	0 - 1/2" D: 162,000 psi min. 5/8" D & larger: 153,000 psi min.	30,000 psi min.	150,000 psi min.	160,000 psi min. (material only)	153,000 psi min. (over 1/2" diam.)
Elongation	10% min (Applies to machined specimens at least 4D in length where D equals the nominal diameter of the screw.)	10% min (Applies to machined specimens at least 4D in length where D equals the nominal diameter of the screw.)	10% min (Applies to machined specimens at least 4D in length where D equals the nominal diameter of the screw.)	8% min (Applies to machined specimens at least 4D in length where D equals the nominal diameter of the screw.)	8% min (Applies to machined specimens over 1/2" diam., at least 4D in length where D equals the nominal diameter of the screw.)
Reduction of Area	33% min (machined specimens)	30% min (machined specimens)	33% min (machined specimens)	35% min (machined specimens)	35% min (machined specimens over 1/2" diam.)

Socket Head Cap Screws: Dimensions and Specifications, p4

Button Head Socket Cap Screws: Dimensions & Mechanical Properties



Button Head Socket Cap Screw Dimensions & Mechanical Properties (Alloy Steel)													ASME B18.3-2003		
Nominal size	Head Diameter (A)		Head Height (H)		Head Side Height (S)	Hex Socket Size (J)	Key Engage-ment (T)	Fillet Transition Diameter (F)		Max Standard Length (L)	Tensile Test Load	Single Shear Strength of Body	Seating Torques (in./lbs.)		
	Max	Min	Max	Min	Ref	Nom	Min	Max	Min	Nom	lb.	lbs., min.	Coarse Thread	Fine Thread	
4	0.213	0.201	0.059	0.051	0.015	1/16	0.035	0.132	0.50	0.50	840	950	7.0	8	
6	0.262	0.250	0.073	0.063	0.015	5/64	0.044	0.158	0.63	0.63	1,260	1,400	13	15	
8	0.312	0.298	0.087	0.077	0.015	3/32	0.052	0.194	0.75	0.75	1,940	2,000	25	26	
10	0.361	0.347	0.101	0.091	0.020	1/8	0.070	0.220	1.00	1.00	2,440	2,700	45	48	
1/4	0.437	0.419	0.132	0.122	0.031	5/32	0.087	0.290	1.00	1.00	4,430	4,700	95	110	
5/16	0.547	0.527	0.166	0.152	0.031	3/16	0.105	0.353	1.00	1.00	7,300	7,300	190	210	
3/8	0.656	0.636	0.199	0.185	0.031	7/32	0.122	0.415	1.25	1.25	10,800	10,600	300	300	
1/2	0.875	0.851	0.265	0.245	0.046	5/16	0.175	0.560	2.00	2.00	19,800	18,800	900	960	
5/8	1.000	0.970	0.331	0.311	0.062	3/8	0.210	0.685	2.00	2.00	31,500	29,400	1,700	1,900	

Button Head Socket Cap Screws : Nominal Thread Length			
Tolerance on Length	Nominal Screw Size	Nominal Screw Length	
		Up to 1" (Inclusive)	Over 1" - 2-1/2" (Inclusive)
		0 thru 3/8 (Inclusive)	-.03
1/2 and 5/8 (Inclusive)	-.03	-.06	

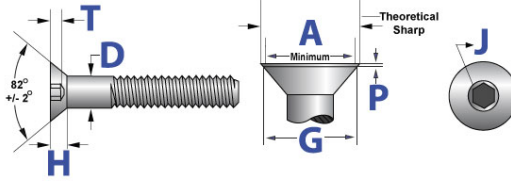
Low Head Socket Cap Screws: Dimensions & Mechanical Properties

Low Head Socket Cap Screw Dimensions & Mechanical Properties (Alloy Steel)													ASME B18.3-2003	
Nominal size	Basic Screw Diameter (D)	Body Diameter (F)		Head Diameter (A)		Head Height (H)		Hex Socket Size (J)	Key Engage-ment (T)	Tensile Strength (lbs./min)		Tightening Torque (in./lbs.)		
		Max	Min	Max	Min	Max	Min			Min	UNRC		UNRF	
8	0.1640	0.1640	0.1585	0.270	0.265	0.085	0.079	0.078	0.060	2,310	2,440	19.4		
10	0.1900	0.1900	0.1840	0.312	0.307	0.098	0.092	0.094	0.072	2,890	3,300	33.5		
1/4	0.2500	0.2500	0.2435	0.375	0.369	0.127	0.121	0.125	0.094	5,250	6,000	77.9		
5/16	0.3125	0.3125	0.3053	0.437	0.431	0.158	0.152	0.156	0.110	8,650	9,550	156.0		
3/8	0.3750	0.3750	0.3678	0.562	0.556	0.192	0.182	0.188	0.115	12,800	14,450	273.0		
1/2	0.5000	0.5000	0.4919	0.750	0.743	0.254	0.244	0.250	0.151	23,400	26,350	615.0		

Low Head Socket Cap Screws : Nominal Thread Length			
Tolerance on Length	Nominal Screw Size	Nominal Screw Length	
		Up to 1" (Inclusive)	Over 1" - 2-1/2" (Inclusive)
		0 thru 3/8	-.03
1/2	-.03	-.06	

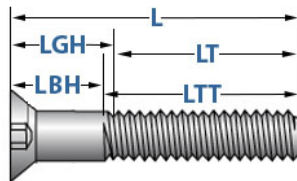
Socket Head Cap Screws: Dimensions and Specifications, p5

Flat Head Socket Cap Screws: Dimensions & Mechanical Properties



Flat Head Socket Cap Screw Dimensions (Alloy Steel)																		ASME B18.3-2003, Blue Devil																	
Nominal Size	Body Diameter (D)		Head Diameter (A)		Head Height (H)	Protrusion Gage Diameter (G)		Protrusion (P)		Hex Socket Size (J)	Key Engagement (T)	Fillet Transition Diam. (F)	Tensile Strength (lbs Min)		Single Shear Strength of Body	Recommended Seating Torques (in/lbs)																			
	Max	Min	Theoretical Sharp Max	Abs. Min	Ref	Max	Min	Max	Min	Nom	Min	Max	UNRC	UNRF	lbs. Min	Coarse Thread	Fine Thread																		
4	0.1120	0.1075	0.255	0.218	0.083	0.172	0.174	0.049	0.036	1/16	0.055	0.136	900	-	940	8.	-																		
5	0.1250	0.1202	0.281	0.240	0.090	0.196	0.195	0.051	0.037	5/64	0.061	0.153	1,185	-	1,180	12.	-																		
6	0.1380	0.1329	0.307	0.263	0.097	0.220	0.219	0.052	0.037	5/64	0.066	0.168	1,350	-	1,440	15.	-																		
8	0.1640	0.1585	0.359	0.311	0.112	0.267	0.266	0.055	0.039	3/32	0.076	0.194	2,085	-	2,030	30.	-																		
10	0.1900	0.1840	0.411	0.359	0.127	0.313	0.312	0.058	0.041	1/8	0.087	0.220	2,610	2,610	2,720	40.	45.																		
1/4	0.2500	0.2435	0.531	0.480	0.161	0.424	0.423	0.064	0.043	5/32	0.111	0.280	4,750	4,750	4,710	100.	110.																		
5/16	0.3125	0.3053	0.656	0.600	0.198	0.539	0.538	0.070	0.047	3/16	0.135	0.343	7,800	7,800	7,360	200.	220.																		
3/8	0.3750	0.3678	0.781	0.720	0.234	0.653	0.652	0.076	0.050	7/32	0.159	0.405	11,600	11,600	10,600	350.	400.																		
7/16	0.4375	0.4294	0.844	0.781	0.234	0.690	0.689	0.092	0.063	1/4	0.159	0.468	15,900	15,900	14,400	560.	-																		
1/2	0.5000	0.4919	0.938	0.872	0.251	0.739	0.738	0.119	0.087	5/16	0.172	0.530	21,200	21,200	18,850	850.	1,000.																		
5/8	0.6250	0.616	1.188	1.112	0.324	0.962	0.961	0.135	0.096	3/8	0.220	0.655	33,800	33,800	29,450	1,700	-																		
3/4	0.7500	0.7406	1.438	1.355	0.396	1.186	1.185	0.150	0.105	1/2	0.220	0.780	50,000	50,000	42,400	3,000	-																		

Flat Head Socket Cap Screws : Nominal Thread Length			
Tolerance on Length	Nominal Screw Size		
	Up to 1"	Over 1" - 2-1/2"	Over 2-1/2" - 6"
	0 thru 3/8 (Inclusive)	-.03	-.04
7/16 thru 3/4 (Inclusive)	-.03	-.06	-.08



Body and Grip Lengths of Flat Head Socket Cap Screws																		ASME B18.3-2003																	
Nominal Size	4		5		6		8		10		1/4		5/16		3/8		7/16		1/2		5/8		3/4												
LT Min.	.750	.750	.750	.750	.750	.750	.875	.875	.875	.875	1.000	1.000	1.125	1.125	1.250	1.250	1.375	1.375	1.500	1.500	1.750	1.750	2.000												
LTT Max	0.99	1.00	1.05	1.05	1.19	1.19	1.27	1.27	1.50	1.50	1.71	1.71	1.94	1.94	2.17	2.17	2.38	2.38	2.82	2.82	3.25														
Nominal Length	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH	LGH	LBH									
1.25	0.50	0.38	0.50	0.38	0.50	0.34	0.38	0.22																											
1.50	0.50	0.38	0.50	0.38	0.50	0.34	0.38	0.22	0.62	0.42																									
1.75	1.00	0.38	1.00	0.88	1.00	0.84	0.8	0.72	0.62	0.42	0.75	0.50																							
2.00	1.00	0.38	1.00	0.88	1.00	0.84	0.88	0.72	1.12	0.92	0.75	0.50	0.88	0.60																					
2.25					1.50	1.34	1.38	1.22	1.62	1.42	1.25	1.00	0.88	0.60	1.00	0.69																			
2.50							1.38	1.72	2.12	1.92	1.75	1.50	1.38	1.10	1.00	0.69	1.12	0.77	1.00	0.62															
3.00								2.62	2.42	2.25	2.00	1.88	1.60	1.50	1.19	1.62	1.27	1.00	0.62																
3.50													2.38	2.10	2.00	1.69	2.12	1.77	1.75	1.36	1.50	1.0	1.50	1.00											
4.00													2.88	2.60	2.50	2.19	2.62	2.27	2.50	2.12	2.25	1.8	1.50	1.00											
4.50													3.38	3.10	3.00	2.69	3.12	2.77	2.50	2.12	2.25	1.8	2.50	2.00											
5.00													3.88	3.60	3.50	3.19	3.62	3.27	3.25	2.86	3.00	2.5	2.50	2.00											
5.50													4.38	4.10	4.00	3.69	4.12	3.77	4.00	3.62	3.75	3.3	3.50	3.00											
6.00													4.88	4.60	4.50	4.19	4.62	4.27	4.00	3.62	3.75	3.3	3.50	3.00											

* Note: For screws of nominal lengths longer than those for which LGH and LBH values tabulated in this table and for screws over 1 inch in diameter, the maximum grip gaging length LGH and the minimum body length LBH of the screws shall be determined as follows: LGH = L - LT and LGH = L - LTT where L = nominal length, LT = minimum thread length, and LTT = maximum total thread length.