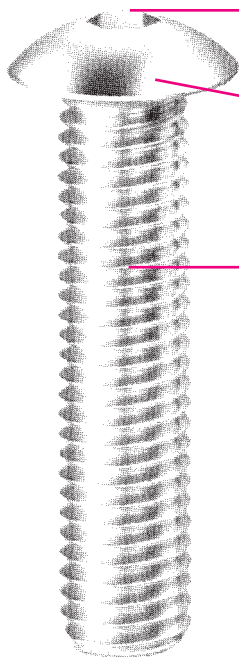


# BUTTON HEAD CAP SCREWS

## Dimensions



Precision hex socket for maximum key engagement

Low head height for modern streamline design

Fully formed threads rolled under extreme pressure provide greater strength

Continuous grain flow makes the whole screw stronger

Heat treated alloy steel for maximum strength without brittleness or decarburization

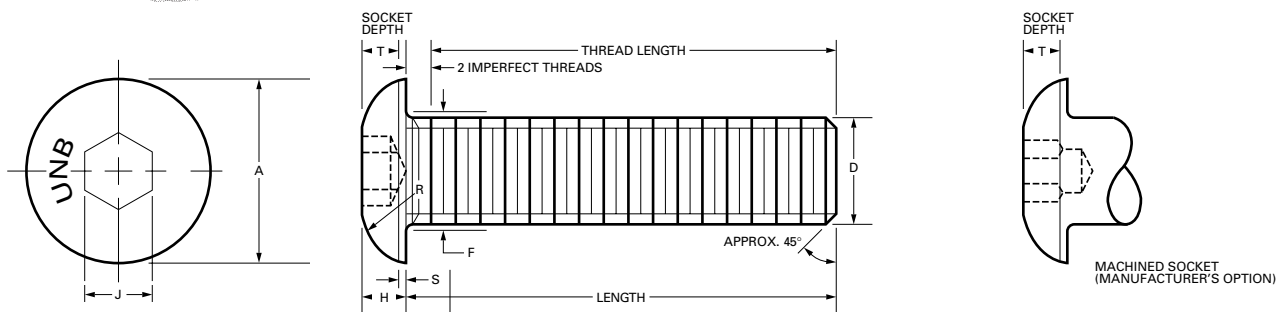
See page 16 for mechanical properties and applications.

### LENGTH TOLERANCE

Diameter	to 1" incl.	over 1" to 2" incl.
To 1" incl.	-.03	-.04
Over 1" to 2"	-.03	-.06

Dimensions: ANSI/ASME B18.3

Thread Class: 3A



### DIMENSIONS and APPLICATION DATA

nom. size	basic screw dia.	threads per inch		A head diameter		D body diameter		T	H head height		thd-to-hd max. ref.	S max.	R ref.	F fillet dia. max.	J min.
		UNRC	UNRF	max.	min.	max.	min.		max.	min.					
#0	.060	-	80	.114	.104	.060	.0568	.020	.032	.026	.500	.010	.070	.080	.035
#1	.073	64	72	.139	.129	.073	.0695	.028	.039	.033	.500	.010	.080	.093	.050
#2	.086	56	64	.164	.154	.086	.0822	.028	.046	.038	.500	.010	.099	.106	.050
#3	.099	48	56	.188	.176	.099	.0949	.035	.052	.044	.500	.010	.110	.119	.0625
#4	.112	40	48	.213	.201	.112	.1075	.035	.059	.051	.500	.015	.135	.132	.0625
#5	.125	40	44	.238	.226	.125	.1202	.044	.066	.058	.500	.015	.141	.145	.0781
#6	.138	32	40	.262	.250	.138	.1329	.044	.073	.063	.625	.015	.158	.158	.0781
#8	.164	32	36	.312	.298	.164	.1585	.052	.087	.077	.750	.015	.185	.194	.0937
#10	.190	24	32	.361	.347	.190	.1840	.070	.101	.091	1.000	.020	.213	.220	.1250
1/4	.250	20	28	.437	.419	.250	.2435	.087	.132	.122	1.000	.031	.249	.290	.1562
5/16	.312	18	24	.547	.527	.3125	.3053	.105	.166	.152	1.000	.031	.309	.353	.1875
3/8	.375	16	24	.656	.636	.375	.3678	.122	.199	.185	1.250	.031	.368	.415	.2187
1/2	.500	13	20	.875	.851	.500	.4919	.175	.265	.245	2.000	.046	.481	.560	.3125
5/8	.625	11	18	1.000	.970	.625	.6163	.210	.331	.311	2.000	.062	.523	.685	.3750