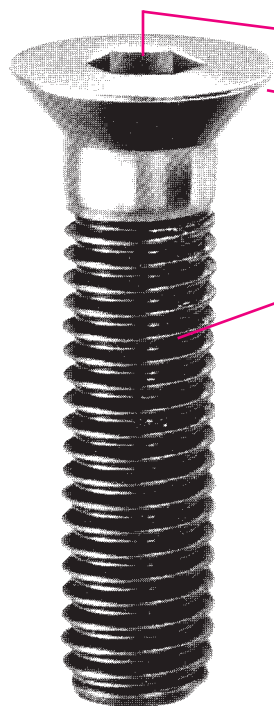


# FLAT HEAD SOCKET SCREWS

Viewmold provides high quality injection mold tooling

## Dimensions



- Deep, accurate socket for maximum key engagement
- Uniform 82° angle under head for maximum contact
- Fully formed threads for greater strength and precision fit
- Continuous grain flow throughout the screw for increased strength
- Heat treated alloy steel for maximum strength without brittleness or decarburization

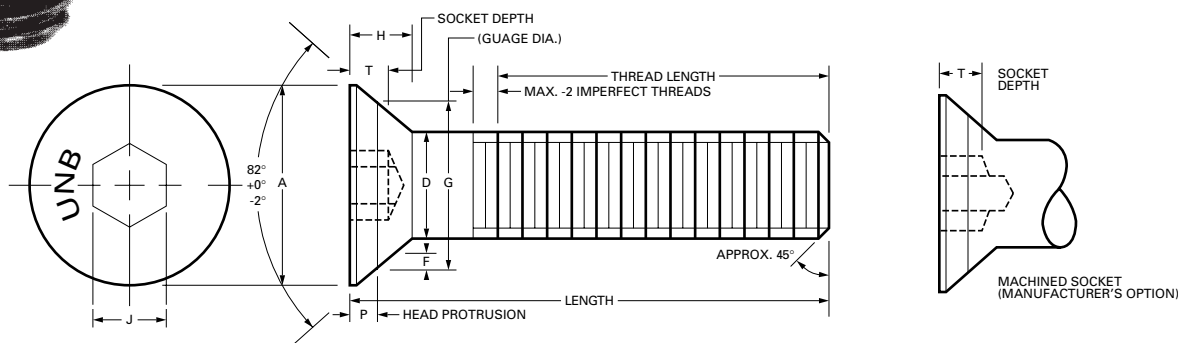
See page 16 for mechanical properties and applications.

### LENGTH TOLERANCE

Diameter	to 1"	over 1" to 2 1/2"	over 2 1/2" to 6"
#0 to 3/8" incl.	-.03	-.04	-.06
7/16 to 3/4" incl.	-.03	-.06	-.08
7/8 to 1" incl.	-.05	-.10	-.14

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	G protrusion gage diameter		H max. ref.	*** thd-to-hd max. ref.	P protrusion		F max.	J nom.
		UNRC	UNRF	max.*	min.**	max.	min.		max.	min.			max.	min.		
#0	.060	-	80	.138	.117	.060	.0568	.025	.078	.077	.044	.500	.034	.029	.006	.035
#1	.073	64	72	.168	.143	.073	.0695	.031	.101	.100	.054	.750	.038	.032	.008	.050
#2	.086	56	64	.197	.168	.086	.0822	.038	.124	.123	.064	.750	.042	.034	.010	.050
#3	.099	48	56	.226	.193	.099	.0949	.044	.148	.147	.073	.750	.044	.035	.010	.0625
#4	.112	40	48	.255	.218	.112	.1075	.055	.172	.171	.083	.875	.047	.037	.012	.0625
#5	.125	40	44	.281	.240	.125	.1202	.061	.196	.195	.090	.875	.048	.037	.014	.0781
#6	.138	32	40	.307	.263	.138	.1329	.066	.220	.219	.097	.875	.049	.037	.015	.0781
#8	.164	32	36	.359	.311	.164	.1585	.076	.267	.266	.112	1.000	.051	.039	.015	.0937
#10	.190	24	32	.411	.359	.190	.1840	.087	.313	.312	.127	1.250	.054	.041	.015	.1250
1/4	.250	20	28	.531	.480	.250	.2435	.111	.424	.423	.161	1.250	.059	.046	.015	.1562
5/16	.312	18	24	.656	.600	.3125	.3053	.135	.539	.538	.198	1.500	.063	.050	.015	.1875
3/8	.375	16	24	.781	.720	.375	.3678	.159	.653	.652	.234	1.750	.069	.056	.015	.2187
7/16	.437	14	20	.844	.781	.4375	.4294	.159	.690	.689	.234	2.000	.084	.071	.015	.2500
1/2	.500	13	20	.937	.872	.500	.4919	.172	.739	.738	.251	2.250	.110	.096	.015	.3125
5/8	.625	11	18	1.188	1.112	.625	.6163	.220	.962	.961	.324	2.500	.123	.108	.015	.3750
3/4	.750	10	16	1.438	1.355	.750	.7406	.220	1.186	1.185	.396	3.000	.136	.121	.015	.5000
7/8	.875	9	14	1.688	1.605	.875	.8647	.248	1.411	1.410	.468	3.250	.149	.134	.015	.5625
1	1.000	8	12	1.938	1.855	1.000	.9886	.297	1.635	1.634	.540	3.750	.162	.146	.015	.6250

\* maximum – to theoretical sharp corners

\*\* minimum – absolute with A flat

\*\*\* maximum product length, thread to head

**NOTE:** Performance data listed are for standard production items only. Non-stock items may vary due to variables in methods of manufacture. It is suggested that the user verify performance on any non-standard parts for critical application.