Viewmold provider in SOCKET BUTTON HEAD CAP SCREWS injection mold tooling

Dimensions

Threads: ANSI B1.13M, ISO 262(coarse series only)

Similar Specifications: ISO 7380

General Note: Flat, countersunk head cap screws and button head cap screws are designed and recommended for moderate fastening applications: machine guards, hinges, covers, etc. They are not suggested for use in critical high strength applications where socket head cap screws should be used.

NOTES

1. Material: ASTM F835M 2. Dimensions: ANSI B18.3.4M

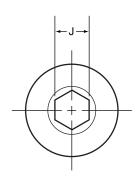
3. Property Class: 12.9 4. Hardness: Rc 38-43 5. Tensile Stress: 1040 MPa 6. Shear Stress: 630 MPa

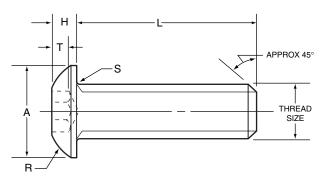
8. Bearing surface of head square with body within 2°.

9. Thread Class: 4g 6g

7. Yield Stress: 945 MPa







LENGTH TOLERANCE

	nominal screw diameter				
nominal	M3 thru M16				
screw length	tolerance on lgth., mm				
Up to 16 mm, incl.	±0.3				
Over 16 to 60 mm, incl.	±0.5				
Over 60 mm	±0.8				

DIMENSIONS APPLICATION DATA

		A	н	т	R	s	J	recommended seating torque**	
nom. thread								plain	
size	pitch	max.	max.	min.	ref.	ref.	nom.	N-m	in-lbs.
M3	0.5	5.70	1.65	1.05	2.95	.35	2.0	1.2	11
M4	0.7	7.60	2.20	1.35	4.10	.35	2.5	2.8	25
M5	0.8	9.50	2.75	1.92	5.20	.45	3.0	5.5	50
M6	1.0	10.50	3.30	2.08	5.60	.45	4.0	9.5	85
M8	1.285	14.00	4.40	2.75	7.50	.45	5.0	24.0	210
M10	1.50	18.00	5.50	3.35	10.00	.60	6.0	47.0	415
M12	1.75	21.00	6.60	4.16	11.00	.60	8.0	82.0	725
*M16	2.0	28.00	8.60	5.20	15.00	.60	10.0	205.0	1800

All dimensions in millimeters.

Torque values are for plain screws. (See Note, page 1.)

^{*}Non-stock Diameter

^{**}Torque calculated to induce 420 MPa in the screw threads.