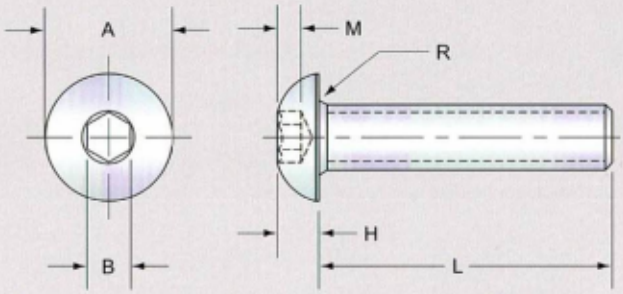
ISO7380 : Hexagon Socket Button Head Cap Screws



Dimensions (mm)

Nom. Size	A	H	B	M min.	R min.	R. S. Torque (NM)	
						12.9	10.9
M3	5.40 - 5.70	1.40- 1.65	2.020 - 2.080	1.04	0.10	1.35	1.15
M4	7.24 - 7.60	1.95- 2.20	.2.520 - 2.580	1.30	0.20	3.10	2.70
M5	9.14 - 9.50	2.50- 2.75	3.020 - 3.080	1.56	0.20	6.10	5.40
M6	10.07 - 10.50	3.00- 3.30	4.020 - 4.095	2.08	0.25	10.5	9.15
M8	13.57 - 14.00	4.10- 4.40	5.020 - 5.140	2.60	0.40	26.0	22.0
MIO	17.07 - 17.50	5.20 - 5.50	6.020 - 6.140	3.12	0.40	52.0	44.0
M12	20.48 - 21.00	6.24- 6.60	8.025 - 8.175	4.16	0.60	90.0	77.0
M16	27.48 - 28.00	8.44- 8.80	10.025- 10.175	5.20	0.60	225	190

Notes :
1. Thread Class : 5g6g for property class 12.9 ; 6g for other property classes.
2. Length Tolerance : See Table 2, Page 7.
3. R. S. Torque=Recommended Seating Torque.
4. Working Temperature : -50°C ~ + 300°C.

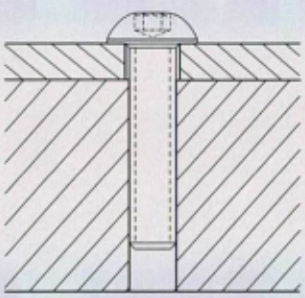
Mechanical Properties

Property Class	10.9	12.9
Hardness (HRC)	32-39	39-44
Tensile Strength (Mpa)	835 min.	980 min.
Decarburization and Carburization (See Page 17)	E = 2/3H1	E = 3/4H1

■ Typical Application Fixture

Button socket cap screws are designed for applications that allow the head to protrude above the mating parts. The curved design of the button head is decorative and protects adjoining parts from scrapes or other damage. The greater under head area also protects mating parts form damage.

Due to the head design these parts should not be used in critical applications where high tensile strength is required.



■ Head Height Gauge