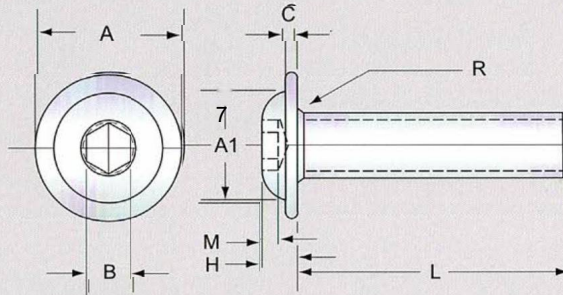


- Dimensions
- Mechanical Properties
- Application Data

## Hexagon Socket Flange Button Head Cap Screws



Dimensions (mm)

Nom. Size	A	A1	H	C	M min.	B	R min.	R. S. Torque (NM)	
								12.9	10.9
M3	6.80- 7.10	4.90- 5.20	1.40 - 1.65	0.50-0.70	1.05	2.020 - 2.080	0.10	1.35	1.15
M4	9.04- 9.40	6.74- 7.10	1.95- 2.20	0.55-0.75	1.30	2.520 - 2.580	0.20	3.10	2.70
M5	11.44- 11.80	8.54- 8.90	2.50- 2.75	0.60 - 0.85	1.60	3.020 - 3.080	0.20	6.10	5.40
M6	13.00- 13.60	9.57-10.00	3.05 - 3.30	0.90-1.15	2.10	4.020 - 4.095	0.25	10.5	9.15
M8	17.44- 17.80	12.77 - 13.20	4.10- 4.40	1.20- 1.45	2.60	5.020- 5.140	0.40	26.0	22.0
M10	21.54-21.90	16.17 - 16.60	5.20 - 5.50	1.50- 1.75	3.15	6.020- 6.140	0.40	52.0	44.0
M12	23.64 - 24.00	19.87 -20.30	6.20- 6.60	2.05-2.35	4.20	8.025- 8.175	0.60	90.0	77.0

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.

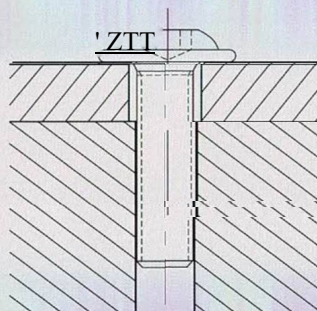
### Mechanical Properties

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

It is 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 bearing surface eliminates the need for washers and helps prevent damage such as indentation to the mating part.



### ■ Head Height Gauge

