

Nom. Size	dp	dz	df max.	da	B	Y (Note 3)	Proof Torque NM, min.
M3	1.75 - 2.00	1.15 - 1.40	0.75	1.75 - 2.00	1.520 - 1.580	4	0.90
M4	2.25 - 2.50	1.75 - 2.00	1.00	2.25 - 2.50	2.020 - 2.080	5	2.50
M5	3.20 - 3.50	2.25 - 2.50	1.25	3.20 - 3.50	2.520 - 2.580	6	5.00
M6	3.70 - 4.00	2.75 - 3.00	1.50	3.70 - 4.00	3.020 - 3.080	6	8.50
M8	5.20 - 5.50	4.70 - 5.00	2.00	5.20 - 5.50	4.020 - 4.095	8	20.0
M10	6.64 - 7.00	5.70 - 6.00	2.50	6.64 - 7.00	5.020 - 5.140	10	40.0
M12	8.14 - 8.50	7.64 - 8.00	3.00	8.14 - 8.50	6.020 - 6.140	12	65.0
M14	9.64 - 10.00	8.64 - 9.00	4.00	9.64 - 10.00	6.020 - 6.140	14	65.0
M16	11.57 - 12.00	9.64 - 10.00	4.00	11.57 - 12.00	8.025 - 8.175	16	160
M18	12.57 - 13.00	11.57 - 12.00	5.00	12.57 - 13.00	10.025 - 10.175	18	310
M20	14.57 - 15.00	13.57 - 14.00	5.00	14.57 - 15.00	10.025 - 10.175	20	310

Notes :

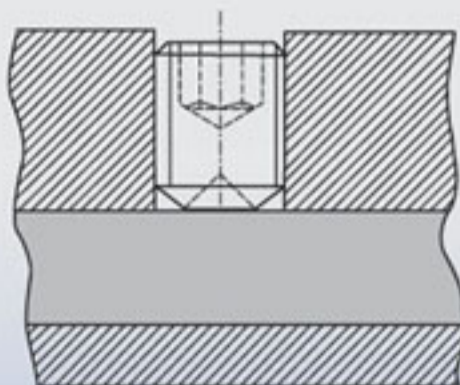
1. Thread Class : 6g for property class 45H.
2. Length Tolerance : See Table 2, Page 7.
3. Cone point angle 120 deg for these nominal lengths or shorter ; 90 deg for longer nominal lengths.
4. Working Temperature : -50°C ~ +300°C

Mechanical Properties

Property Class	45H
Hardness (HRC)	45-53
Decarburization and Carburization (See Page 17)	E = 3/4H1

■ Typical Application Fixture

Socket set screws are designed to be used where permanent or adjustable locations of components on shafts is required. There are numerous end point designs to fit many applications.



■ Typical Torque Test Fixture

1. Torque wrench
2. Set screw under test
3. Test block: hardness min. 50 HRC, tolerance class of the internal thread 5H
4. Backing screw: hardness 450 HV to 570 HV

