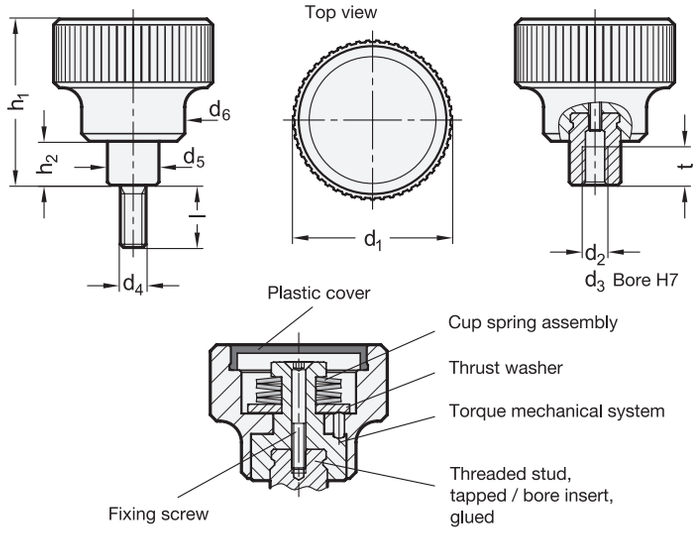
GN 3663 Torque Limiting Knurled Knobs

Aluminum, with Steel Insert / Threaded Stud

JW WINCO® A Ganter Company



Metric

Metric table

Dimensions in: millimeters - *inches*

1 d_1	2 d_2 Thread			2 d_3 H7 Bore	2 d_4 Thread	3 Length l					d_5	d_6	h_1	h_2	t min.	4 Torque ±10 % in Nm		
27 *1.06*	M 3	-	-	B 5	M 4	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	32 *1.26*	10 *0.39*	19 *0.75*	34 *1.34*	8.5 *0.33*	7 *0.28*	0.7	1	1.5
27 *1.06*	M 4	M 5	M 6	B 6	M 5	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	32 *1.26*	10 *0.39*	19 *0.75*	34 *1.34*	8.5 *0.33*	9 *0.35*	0.7	1	1.5
34 *1.34*	M 3	-	-	B 5	M 5	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	32 *1.26*	10 *0.39*	21 *0.83*	36.5 *1.44*	8.5 *0.33*	7 *0.28*	1	1.5	2.2
34 *1.34*	M 4	M 5	M 6	B 6	M 6	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	32 *1.26*	10 *0.39*	21 *0.83*	36.5 *1.44*	8.5 *0.33*	9 *0.35*	1	1.5	2.2
42 *1.65*	M 6	-	-	B 6	M 8	16 *0.63*	20 *0.79*	25 *0.98*	32 *1.26*	40 *1.57*	13.5 *0.53*	27 *1.06*	43 *1.69*	11 *0.43*	11 *0.43*	2	2.5	3.2
42 *1.65*	M 8	-	-	B 8	M 10	20 *0.79*	25 *0.98*	32 *1.26*	40 *1.57*	50 *1.97*	13.5 *0.53*	27 *1.06*	43 *1.69*	11 *0.43*	11 *0.43*	2	2.5	3.2
52 *2.05*	M 10	-	-	B 10	M 10	25 *0.98*	32 *1.26*	40 *1.57*	50 *1.97*	63 *2.48*	19 *0.75*	32 *1.26*	54 *2.13*	15.5 *0.61*	17 *0.67*	2.5	3	4
52 *2.05*	M 12	-	-	B 12	M 12	25 *0.98*	32 *1.26*	40 *1.57*	50 *1.97*	63 *2.48*	19 *0.75*	32 *1.26*	54 *2.13*	15.5 *0.61*	17 *0.67*	2.5	3	4
62 *2.44*	M 10	-	-	B 10	M 10	25 *0.98*	32 *1.26*	40 *1.57*	50 *1.97*	63 *2.48*	19 *0.75*	33 *1.30*	54 *2.13*	15.5 *0.61*	17 *0.67*	3	4	5.5
62 *2.44*	M 12	-	-	B 12	M 12	25 *0.98*	32 *1.26*	40 *1.57*	50 *1.97*	63 *2.48*	19 *0.75*	33 *1.30*	54 *2.13*	15.5 *0.61*	17 *0.67*	3	4	5.5

Specification

- Knob body
  Aluminum, black anodized finish
- Torque mechanism
  Steel, hardened
- Other components
  Steel, blackened finish
- Cover
  Plastic, light gray
- RoHS compliant

On request

- Inch size threads and bores
- Other dimensions of bore inserts, threaded inserts or threaded studs as per GN 300
- Other inserts with special threaded studs as per GN 306
- Other torques
- Torque limiting turning counter-clockwise or, turning counter-clockwise and clockwise

Information

GN 3663 torque limiting knurled knobs are used when the manually applied torque is to be limited.

When turned clockwise, the torque mechanism of the knurled knob triggers an “over-engagement” as soon as the specified torque is reached. When tightening, this ensures that the maximum permissible torque is not exceeded. When turned counter-clockwise, loosening the knob, the mechanical system is still locked so the knob can be released. Torque necessary for release will always be transmitted properly.

How to order (Insert)

1 2 4

GN 3663-62-M12-5.5

1	Handle diameter d_1
2	Thread d_2 (Bore d_3)
4	Torque

How to order (Threaded stud)

1 2 3 4

GN 3663-27-M4-20-0.7

1	Handle diameter d_1
2	Thread d_4
3	Length l
4	Torque