

GN 3663 | Torque limiting knob

Aluminium and steel



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KNOB BODY

Anodised aluminium black colour.

CENTRE CLOSING CAP

Acetal resin based (POM) technopolymer, light-grey colour.

TORQUE LIMITING MECHANISM

Black-oxide steel.

STANDARD EXECUTIONS

- Black-oxide steel clamping element, screw, spring and thrust washer.
- **GN 3663 (d2)**: threaded hole.
 - **GN 3663 (d4 - I)**: threaded screw.

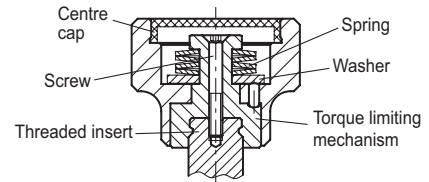
FEATURES AND APPLICATIONS

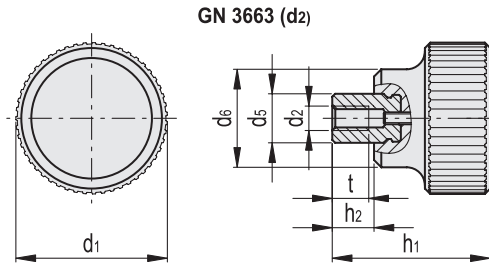
GN 3663 knobs are used when the applied tightening torque (see C # $\pm 10\%$ in the Table) must not exceed a certain value.

The torque transmission from the wing knob to the clamping element takes place by means of a spring system which prevents the overcoming of the established torque. Upon exceeding the established torque, a "click" sound will be heard to indicate that the maximum tightening has been reached. By turning the knob anticlockwise the mechanism unlocks.

SPECIAL EXECUTIONS ON REQUEST

- Executions with clamping element with plain hole.
- Executions with clamping element with different threadings and lengths.
- Different values of torque limiting.
- Torque limiting knobs for anticlockwise clamping.

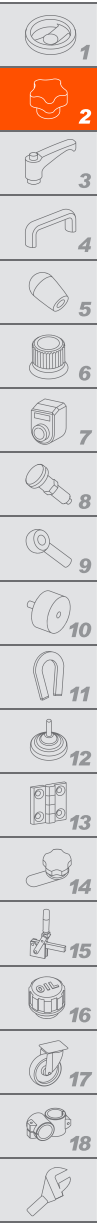




GN 3663 (d2)

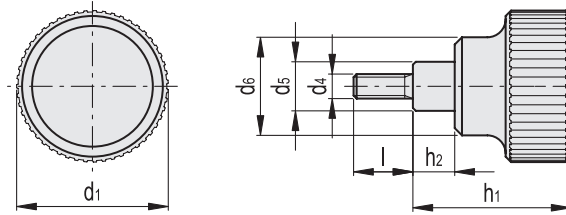
Code	Description	d1	d2	d5	d6	h1	h2	t _{min}	C# [Nm]	⚖
GN.41401	GN 3663-27-M3-0.7	27	M3	10	19	35	9.5	7	0.7	41
GN.41402	GN 3663-27-M3-1	27	M3	10	19	35	9.5	7	1.0	42
GN.41403	GN 3663-27-M3-1.5	27	M3	10	19	35	9.5	7	1.5	43
GN.41406	GN 3663-27-M4-0.7	27	M4	10	19	35	9.5	9	0.7	40
GN.41407	GN 3663-27-M4-1	27	M4	10	19	35	9.5	9	1.0	41
GN.41408	GN 3663-27-M4-1.5	27	M4	10	19	35	9.5	9	1.5	42
GN.41411	GN 3663-27-M5-0.7	27	M5	10	19	35	9.5	9	0.7	39
GN.41412	GN 3663-27-M5-1	27	M5	10	19	35	9.5	9	1.0	40
GN.41413	GN 3663-27-M5-1.5	27	M5	10	19	35	9.5	9	1.5	41
GN.41416	GN 3663-27-M6-0.7	27	M6	10	19	35	9.5	9	0.7	40
GN.41417	GN 3663-27-M6-1	27	M6	10	19	35	9.5	9	1.0	41
GN.41418	GN 3663-27-M6-1.5	27	M6	10	19	35	9.5	9	1.5	42
GN.41471	GN 3663-34-M3-1	34	M3	10	21	37.5	9.5	7	1.0	58
GN.41472	GN 3663-34-M3-1.5	34	M3	10	21	37.5	9.5	7	1.5	59
GN.41473	GN 3663-34-M3-2.2	34	M3	10	21	37.5	9.5	7	2.2	59
GN.41476	GN 3663-34-M4-1	34	M4	10	21	37.5	9.5	9	1.0	57
GN.41477	GN 3663-34-M4-1.5	34	M4	10	21	37.5	9.5	9	1.5	58
GN.41478	GN 3663-34-M4-2.2	34	M4	10	21	37.5	9.5	9	2.2	58
GN.41481	GN 3663-34-M5-1	34	M5	10	21	37.5	9.5	9	1.0	56
GN.41482	GN 3663-34-M5-1.5	34	M5	10	21	37.5	9.5	9	1.5	57
GN.41483	GN 3663-34-M5-2.2	34	M5	10	21	37.5	9.5	9	2.2	57
GN.41486	GN 3663-34-M6-1	34	M6	10	21	37.5	9.5	9	1.0	55
GN.41487	GN 3663-34-M6-1.5	34	M6	10	21	37.5	9.5	9	1.5	54
GN.41488	GN 3663-34-M6-2.2	34	M6	10	21	37.5	9.5	9	2.2	53
GN.41551	GN 3663-42-M6-2	42	M6	13.5	27	43.5	11.5	11	2.0	109
GN.41552	GN 3663-42-M6-2.5	42	M6	13.5	27	43.5	11.5	11	2.5	110
GN.41553	GN 3663-42-M6-3.2	42	M6	13.5	27	43.5	11.5	11	3.2	111
GN.41556	GN 3663-42-M8-2	42	M8	13.5	27	43.5	11.5	11	2.0	107
GN.41557	GN 3663-42-M8-2.5	42	M8	13.5	27	43.5	11.5	11	2.5	108
GN.41558	GN 3663-42-M8-3.2	42	M8	13.5	27	43.5	11.5	11	3.2	109
GN.41621	GN 3663-52-M10-2.5	52	M10	19	32	54	15.5	17	2.5	208
GN.41622	GN 3663-52-M10-3	52	M10	19	32	54	15.5	17	3.0	209
GN.41623	GN 3663-52-M10-4	52	M10	19	32	54	15.5	17	4.0	210
GN.41626	GN 3663-52-M12-2.5	52	M12	19	32	54	15.5	17	2.5	206
GN.41627	GN 3663-52-M12-3	52	M12	19	32	54	15.5	17	3.0	207
GN.41628	GN 3663-52-M12-4	52	M12	19	32	54	15.5	17	4.0	208
GN.41701	GN 3663-62-M10-3	62	M10	19	33	54	15.5	17	3.0	240
GN.41702	GN 3663-62-M10-4	62	M10	19	33	54	15.5	17	4.0	241
GN.41703	GN 3663-62-M10-5.5	62	M10	19	33	54	15.5	17	5.5	242
GN.41706	GN 3663-62-M12-3	62	M12	19	33	54	15.5	17	3.0	235
GN.41707	GN 3663-62-M12-4	62	M12	19	33	54	15.5	17	4.0	236
GN.41708	GN 3663-62-M12-5.5	62	M12	19	33	54	15.5	17	5.5	237

Tightening torque ±10%



Clamping knobs

GN 3663 (d4 - I)



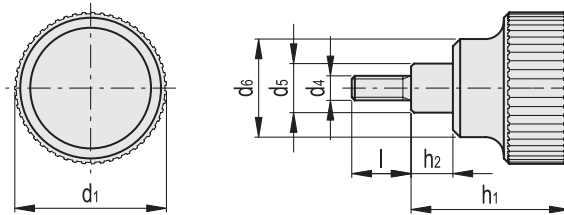
GN 3663 (d4 - I)

Code	Description	d1	d4	d5	d6	h1	h2	l	C# [Nm]
GN.41421	GN 3663-27-M4-12-0.7	27	M4	10	19	35	9.5	12	0.7
GN.41422	GN 3663-27-M4-12-1	27	M4	10	19	35	9.5	12	1.0
GN.41423	GN 3663-27-M4-12-1.5	27	M4	10	19	35	9.5	12	1.5
GN.41426	GN 3663-27-M4-16-0.7	27	M4	10	19	35	9.5	16	0.7
GN.41427	GN 3663-27-M4-16-1	27	M4	10	19	35	9.5	16	1.0
GN.41428	GN 3663-27-M4-16-1.5	27	M4	10	19	35	9.5	16	1.5
GN.41431	GN 3663-27-M4-20-0.7	27	M4	10	19	35	9.5	20	0.7
GN.41432	GN 3663-27-M4-20-1	27	M4	10	19	35	9.5	20	1.0
GN.41433	GN 3663-27-M4-20-1.5	27	M4	10	19	35	9.5	20	1.5
GN.41436	GN 3663-27-M4-25-0.7	27	M4	10	19	35	9.5	25	0.7
GN.41437	GN 3663-27-M4-25-1	27	M4	10	19	35	9.5	25	1.0
GN.41438	GN 3663-27-M4-25-1.5	27	M4	10	19	35	9.5	25	1.5
GN.41441	GN 3663-27-M4-32-0.7	27	M4	10	19	35	9.5	32	0.7
GN.41442	GN 3663-27-M4-32-1	27	M4	10	19	35	9.5	32	1.0
GN.41443	GN 3663-27-M4-32-1.5	27	M4	10	19	35	9.5	32	1.5
GN.41446	GN 3663-27-M5-12-0.7	27	M5	10	19	35	9.5	12	0.7
GN.41447	GN 3663-27-M5-12-1	27	M5	10	19	35	9.5	12	1.0
GN.41448	GN 3663-27-M5-12-1.5	27	M5	10	19	35	9.5	12	1.5
GN.41451	GN 3663-27-M5-16-0.7	27	M5	10	19	35	9.5	16	0.7
GN.41452	GN 3663-27-M5-16-1	27	M5	10	19	35	9.5	16	1.0
GN.41453	GN 3663-27-M5-16-1.5	27	M5	10	19	35	9.5	16	1.5
GN.41456	GN 3663-27-M5-20-0.7	27	M5	10	19	35	9.5	20	0.7
GN.41457	GN 3663-27-M5-20-1	27	M5	10	19	35	9.5	20	1.0
GN.41458	GN 3663-27-M5-20-1.5	27	M5	10	19	35	9.5	20	1.5
GN.41461	GN 3663-27-M5-25-0.7	27	M5	10	19	35	9.5	25	0.7
GN.41462	GN 3663-27-M5-25-1	27	M5	10	19	35	9.5	25	1.0
GN.41463	GN 3663-27-M5-25-1.5	27	M5	10	19	35	9.5	25	1.5
GN.41466	GN 3663-27-M5-32-0.7	27	M5	10	19	35	9.5	32	0.7
GN.41467	GN 3663-27-M5-32-1	27	M5	10	19	35	9.5	32	1.0
GN.41468	GN 3663-27-M5-32-1.5	27	M5	10	19	35	9.5	32	1.5
GN.41491	GN 3663-34-M5-12-1	34	M5	10	21	37.5	9.5	12	1.0
GN.41492	GN 3663-34-M5-12-1.5	34	M5	10	21	37.5	9.5	12	1.5
GN.41493	GN 3663-34-M5-12-2.2	34	M5	10	21	37.5	9.5	12	2.2
GN.41496	GN 3663-34-M5-16-1	34	M5	10	21	37.5	9.5	16	1.0
GN.41497	GN 3663-34-M5-16-1.5	34	M5	10	21	37.5	9.5	16	1.5
GN.41498	GN 3663-34-M5-16-2.2	34	M5	10	21	37.5	9.5	16	2.2
GN.41501	GN 3663-34-M5-20-1	34	M5	10	21	37.5	9.5	20	1.0
GN.41502	GN 3663-34-M5-20-1.5	34	M5	10	21	37.5	9.5	20	1.5

GN 3663 (d4 - I)

Code	Description	d1	d4	d5	d6	h1	h2	l	C# [Nm]
GN.41503	GN 3663-34-M5-20-2.2	34	M5	10	21	37.5	9.5	20	2.2
GN.41506	GN 3663-34-M5-25-1	34	M5	10	21	37.5	9.5	25	1.0
GN.41507	GN 3663-34-M5-25-1.5	34	M5	10	21	37.5	9.5	25	1.5
GN.41508	GN 3663-34-M5-25-2.2	34	M5	10	21	37.5	9.5	25	2.2
GN.41511	GN 3663-34-M5-32-1	34	M5	10	21	37.5	9.5	32	1.0
GN.41512	GN 3663-34-M5-32-1.5	34	M5	10	21	37.5	9.5	32	1.5
GN.41513	GN 3663-34-M5-32-2.2	34	M5	10	21	37.5	9.5	32	2.2
GN.41516	GN 3663-34-M6-12-1	34	M6	10	21	37.5	9.5	12	1.0
GN.41517	GN 3663-34-M6-12-1.5	34	M6	10	21	37.5	9.5	12	1.5
GN.41518	GN 3663-34-M6-12-2.2	34	M6	10	21	37.5	9.5	12	2.2
GN.41521	GN 3663-34-M6-16-1	34	M6	10	21	37.5	9.5	16	1.0
GN.41522	GN 3663-34-M6-16-1.5	34	M6	10	21	37.5	9.5	16	1.5
GN.41523	GN 3663-34-M6-16-2.2	34	M6	10	21	37.5	9.5	16	2.2
GN.41526	GN 3663-34-M6-20-1	34	M6	10	21	37.5	9.5	20	1.0
GN.41527	GN 3663-34-M6-20-1.5	34	M6	10	21	37.5	9.5	20	1.5
GN.41528	GN 3663-34-M6-20-2.2	34	M6	10	21	37.5	9.5	20	2.2
GN.41531	GN 3663-34-M6-25-1	34	M6	10	21	37.5	9.5	25	1.0
GN.41532	GN 3663-34-M6-25-1.5	34	M6	10	21	37.5	9.5	25	1.5
GN.41533	GN 3663-34-M6-25-2.2	34	M6	10	21	37.5	9.5	25	2.2
GN.41536	GN 3663-34-M6-32-1	34	M6	10	21	37.5	9.5	32	1.0
GN.41537	GN 3663-34-M6-32-1.5	34	M6	10	21	37.5	9.5	32	1.5
GN.41538	GN 3663-34-M6-32-2.2	34	M6	10	21	37.5	9.5	32	2.2
GN.41561	GN 3663-42-M8-16-2	42	M8	13.5	27	43.5	11.5	16	2.0
GN.41562	GN 3663-42-M8-16-2.5	42	M8	13.5	27	43.5	11.5	16	2.5
GN.41563	GN 3663-42-M8-16-3.2	42	M8	13.5	27	43.5	11.5	16	3.2
GN.41566	GN 3663-42-M8-20-2	42	M8	13.5	27	43.5	11.5	20	2.0
GN.41567	GN 3663-42-M8-20-2.5	42	M8	13.5	27	43.5	11.5	20	2.5
GN.41568	GN 3663-42-M8-20-3.2	42	M8	13.5	27	43.5	11.5	20	3.2
GN.41571	GN 3663-42-M8-25-2	42	M8	13.5	27	43.5	11.5	25	2.0
GN.41572	GN 3663-42-M8-25-2.5	42	M8	13.5	27	43.5	11.5	25	2.5
GN.41573	GN 3663-42-M8-25-3.2	42	M8	13.5	27	43.5	11.5	25	3.2
GN.41576	GN 3663-42-M8-32-2	42	M8	13.5	27	43.5	11.5	32	2.0
GN.41577	GN 3663-42-M8-32-2.5	42	M8	13.5	27	43.5	11.5	32	2.5
GN.41578	GN 3663-42-M8-32-3.2	42	M8	13.5	27	43.5	11.5	32	3.2
GN.41581	GN 3663-42-M8-40-2	42	M8	13.5	27	43.5	11.5	40	2.0
GN.41582	GN 3663-42-M8-40-2.5	42	M8	13.5	27	43.5	11.5	40	2.5
GN.41583	GN 3663-42-M8-40-3.2	42	M8	13.5	27	43.5	11.5	40	3.2
GN.41586	GN 3663-42-M10-20-2	42	M10	13.5	27	43.5	11.5	20	2.0

GN 3663 (d4 - I)



GN 3663 (d4 - I)

Code	Description	d1	d4	d5	d6	h1	h2	l	C# [Nm]
GN.41587	GN 3663-42-M10-20-2.5	42	M10	13.5	27	43.5	11.5	20	2.5
GN.41588	GN 3663-42-M10-20-3.2	42	M10	13.5	27	43.5	11.5	20	3.2
GN.41591	GN 3663-42-M10-25-2	42	M10	13.5	27	43.5	11.5	25	2.0
GN.41592	GN 3663-42-M10-25-2.5	42	M10	13.5	27	43.5	11.5	25	2.5
GN.41593	GN 3663-42-M10-25-3.2	42	M10	13.5	27	43.5	11.5	25	3.2
GN.41596	GN 3663-42-M10-32-2	42	M10	13.5	27	43.5	11.5	32	2.0
GN.41597	GN 3663-42-M10-32-2.5	42	M10	13.5	27	43.5	11.5	32	2.5
GN.41598	GN 3663-42-M10-32-3.2	42	M10	13.5	27	43.5	11.5	32	3.2
GN.41601	GN 3663-42-M10-40-2	42	M10	13.5	27	43.5	11.5	40	2.0
GN.41602	GN 3663-42-M10-40-2.5	42	M10	13.5	27	43.5	11.5	40	2.5
GN.41603	GN 3663-42-M10-40-3.2	42	M10	13.5	27	43.5	11.5	40	3.2
GN.41606	GN 3663-42-M10-50-2	42	M10	13.5	27	43.5	11.5	50	2.0
GN.41607	GN 3663-42-M10-50-2.5	42	M10	13.5	27	43.5	11.5	50	2.5
GN.41608	GN 3663-42-M10-50-3.2	42	M10	13.5	27	43.5	11.5	50	3.2
GN.41631	GN 3663-52-M10-25-2.5	52	M10	19	32	54	15.5	25	2.5
GN.41632	GN 3663-52-M10-25-3	52	M10	19	32	54	15.5	25	3.0
GN.41633	GN 3663-52-M10-25-4	52	M10	19	32	54	15.5	25	4.0
GN.41636	GN 3663-52-M10-32-2.5	52	M10	19	32	54	15.5	32	2.5
GN.41637	GN 3663-52-M10-32-3	52	M10	19	32	54	15.5	32	3.0
GN.41638	GN 3663-52-M10-32-4	52	M10	19	32	54	15.5	32	4.0
GN.41641	GN 3663-52-M10-40-2.5	52	M10	19	32	54	15.5	40	2.5
GN.41642	GN 3663-52-M10-40-3	52	M10	19	32	54	15.5	40	3.0
GN.41643	GN 3663-52-M10-40-4	52	M10	19	32	54	15.5	40	4.0
GN.41646	GN 3663-52-M10-50-2.5	52	M10	19	32	54	15.5	50	2.5
GN.41647	GN 3663-52-M10-50-3	52	M10	19	32	54	15.5	50	3.0
GN.41648	GN 3663-52-M10-50-4	52	M10	19	32	54	15.5	50	4.0
GN.41651	GN 3663-52-M10-63-2.5	52	M10	19	32	54	15.5	63	2.5
GN.41652	GN 3663-52-M10-63-3	52	M10	19	32	54	15.5	63	3.0
GN.41653	GN 3663-52-M10-63-4	52	M10	19	32	54	15.5	63	4.0
GN.41656	GN 3663-52-M12-25-2.5	52	M12	19	32	54	15.5	25	2.5
GN.41657	GN 3663-52-M12-25-3	52	M12	19	32	54	15.5	25	3.0
GN.41658	GN 3663-52-M12-25-4	52	M12	19	32	54	15.5	25	4.0
GN.41661	GN 3663-52-M12-32-2.5	52	M12	19	32	54	15.5	32	2.5
GN.41662	GN 3663-52-M12-32-3	52	M12	19	32	54	15.5	32	3.0
GN.41663	GN 3663-52-M12-32-4	52	M12	19	32	54	15.5	32	4.0
GN.41666	GN 3663-52-M12-40-2.5	52	M12	19	32	54	15.5	40	2.5
GN.41667	GN 3663-52-M12-40-3	52	M12	19	32	54	15.5	40	3.0
GN.41668	GN 3663-52-M12-40-4	52	M12	19	32	54	15.5	40	4.0

Tightening torque $\pm 10\%$

GN 3663 (d4 - I)

Code	Description	d1	d4	d5	d6	h1	h2	l	C# [Nm]
GN.41671	GN 3663-52-M12-50-2.5	52	M12	19	32	54	15.5	50	2.5
GN.41672	GN 3663-52-M12-50-3	52	M12	19	32	54	15.5	50	3.0
GN.41673	GN 3663-52-M12-50-4	52	M12	19	32	54	15.5	50	4.0
GN.41676	GN 3663-52-M12-63-2.5	52	M12	19	32	54	15.5	63	2.5
GN.41677	GN 3663-52-M12-63-3	52	M12	19	32	54	15.5	63	3.0
GN.41678	GN 3663-52-M12-63-4	52	M12	19	32	54	15.5	63	4.0
GN.41711	GN 3663-62-M10-25-3	62	M10	19	33	54	15.5	25	3.0
GN.41712	GN 3663-62-M10-25-4	62	M10	19	33	54	15.5	25	4.0
GN.41713	GN 3663-62-M10-25-5.5	62	M10	19	33	54	15.5	25	5.5
GN.41716	GN 3663-62-M10-32-3	62	M10	19	33	54	15.5	32	3.0
GN.41717	GN 3663-62-M10-32-4	62	M10	19	33	54	15.5	32	4.0
GN.41718	GN 3663-62-M10-32-5.5	62	M10	19	33	54	15.5	32	5.5
GN.41721	GN 3663-62-M10-40-3	62	M10	19	33	54	15.5	40	3.0
GN.41722	GN 3663-62-M10-40-4	62	M10	19	33	54	15.5	40	4.0
GN.41723	GN 3663-62-M10-40-5.5	62	M10	19	33	54	15.5	40	5.5
GN.41726	GN 3663-62-M10-50-3	62	M10	19	33	54	15.5	50	3.0
GN.41727	GN 3663-62-M10-50-4	62	M10	19	33	54	15.5	50	4.0
GN.41728	GN 3663-62-M10-50-5.5	62	M10	19	33	54	15.5	50	5.5
GN.41731	GN 3663-62-M10-63-3	62	M10	19	33	54	15.5	63	3.0
GN.41732	GN 3663-62-M10-63-4	62	M10	19	33	54	15.5	63	4.0
GN.41733	GN 3663-62-M10-63-5.5	62	M10	19	33	54	15.5	63	5.5
GN.41736	GN 3663-62-M12-25-3	62	M12	19	33	54	15.5	25	3.0
GN.41737	GN 3663-62-M12-25-4	62	M12	19	33	54	15.5	25	4.0
GN.41738	GN 3663-62-M12-25-5.5	62	M12	19	33	54	15.5	25	5.5
GN.41741	GN 3663-62-M12-32-3	62	M12	19	33	54	15.5	32	3.0
GN.41742	GN 3663-62-M12-32-4	62	M12	19	33	54	15.5	32	4.0
GN.41743	GN 3663-62-M12-32-5.5	62	M12	19	33	54	15.5	32	5.5
GN.41746	GN 3663-62-M12-40-3	62	M12	19	33	54	15.5	40	3.0
GN.41747	GN 3663-62-M12-40-4	62	M12	19	33	54	15.5	40	4.0
GN.41748	GN 3663-62-M12-40-5.5	62	M12	19	33	54	15.5	40	5.5
GN.41751	GN 3663-62-M12-50-3	62	M12	19	33	54	15.5	50	3.0
GN.41752	GN 3663-62-M12-50-4	62	M12	19	33	54	15.5	50	4.0
GN.41753	GN 3663-62-M12-50-5.5	62	M12	19	33	54	15.5	50	5.5
GN.41756	GN 3663-62-M12-63-3	62	M12	19	33	54	15.5	63	3.0
GN.41757	GN 3663-62-M12-63-4	62	M12	19	33	54	15.5	63	4.0
GN.41758	GN 3663-62-M12-63-5.5	62	M12	19	33	54	15.5	63	5.5

Tightening torque $\pm 10\%$