

**1 CORPO MANOPOLA**

Alluminio anodizzato colore nero.

**2 CALOTTINA DI CHIUSURA CENTRALE**

Tecnopolimero a base acetilica (POM), colore grigio chiaro.

**3 MECCANISMO DI LIMITAZIONE DI COPPIA**

Acciaio brunito.

**4 ESECUZIONI STANDARD**

Elemento di serraggio, vite, molla e rondella di spinta in acciaio brunito.

- |b|GN 3663 (d2)|bb|: foro filettato.
- |b|GN 3663 (d4 - l)|bb|: vite filettata.

**5 CARATTERISTICHE E APPLICAZIONI**

Le manopole GN 3663 vengono utilizzate quando la coppia di serraggio applicata (vedi in tabella C#±10%) non deve eccedere un certo valore. La trasmissione della coppia dalla manopola all'elemento di serraggio avviene tramite un sistema di molle che impedisce il superamento della coppia stabilita. Ruotando la manopola in senso antiorario il meccanismo si sblocca.

**6 ESECUZIONI SPECIALI A RICHIESTA**

- Esecuzioni con elemento di serraggio con foro liscio.
- Esecuzioni con elemento di serraggio con filettature e lunghezze diverse.
- Valori diversi di limitazione di coppia.
- Manopole con limitatore di coppia per serraggio antiorario.



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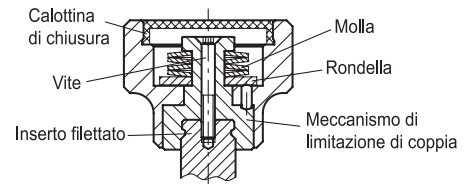
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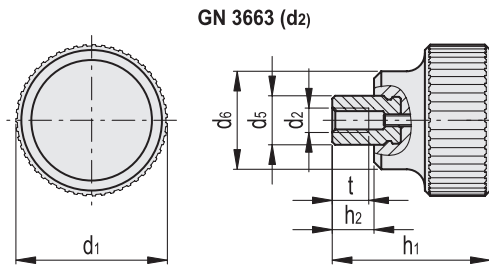


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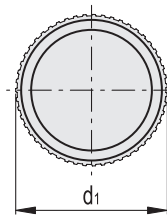
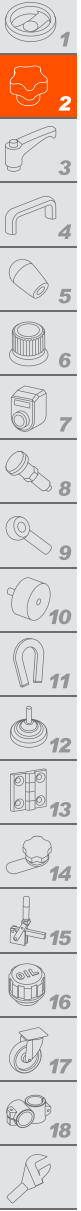




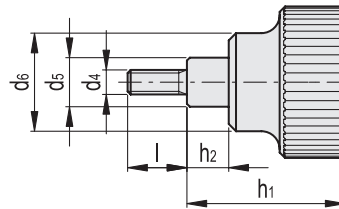
## GN 3663 (d2)

Codice	Descrizione	d1	d2	d5	d6	h1	h2	t <sub>min</sub>	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

C# Coppia di serraggio  $\pm 10\%$



GN 3663 (d4 - I)



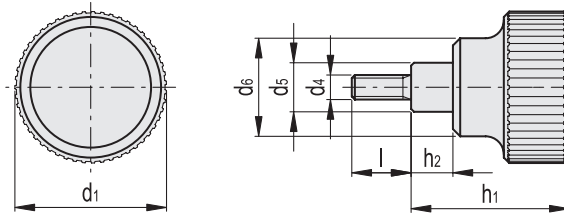
GN 3663 (d4 - I)

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

# Coppia di serraggio ±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

# Coppia di serraggio ±10%

