

Toothed clamping elements



Material

Sintered AISI 316 LHC stainless steel.

Standard executions

- **GN 187.4-A-NI:** with a central threaded pass-through hole, two side holes for cylindrical head screws and two holes for pins.
- **GN 187.4-B-NI:** with a central plain pass-through hole, two side holes for cylindrical head screws and two holes for pins.
- **GN 187.4-C-NI:** with a central threaded hole, two side threaded pass-through holes and two holes for pins.
- **GN 187.4-D-NI:** with a central plain pass-through hole, two side threaded pass-through holes and two holes for pins.
- **GN 187.4-E-NI:** without holes.

Features and applications

GN 187.4-NI toothed elements are used to secure coupled parts at a given angle.

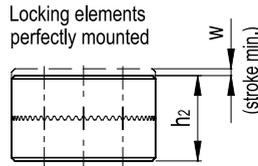
Accessories on request

Case GN 187.1.

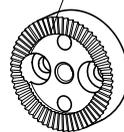
Push springs GN 187.2.



Locking elements perfectly mounted

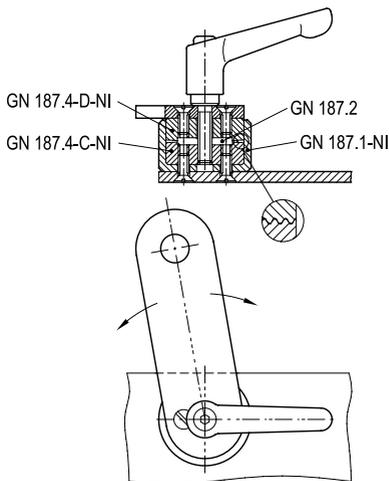


GN 187.4...48...; 48 serrations, wedge angle 60°
GN 187.4...60...; 60 serrations, wedge angle 60°

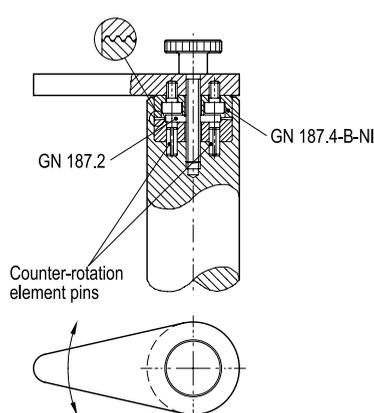


Application examples GN 187.4-NI, GN 187.1-NI e GN 187.2

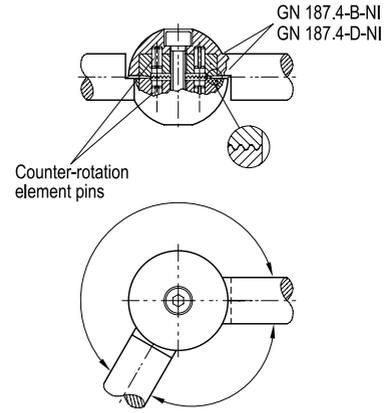
Adjustable element link



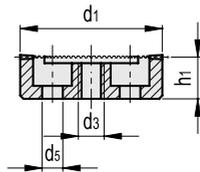
Connection cam/shaft



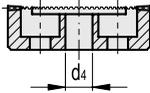
Connection of two joint rods



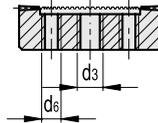
GN 187.4-A-NI



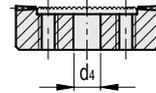
GN 187.4-B-NI



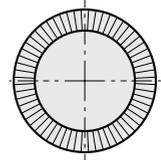
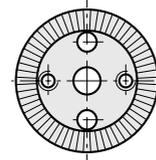
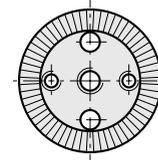
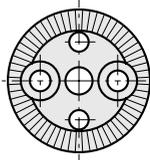
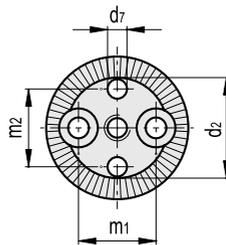
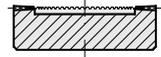
GN 187.4-C-NI



GN 187.4-D-NI



GN 187.4-E-NI



Conversion Table	
1 mm = 0.039 inch	
d1	
mm	inch
22	0.87
27	1.06
32	1.26
40	1.57

Code	Description	d1	d3	d4H11	d7H11	d2	d5	d6	h1±0.09	h2	m1	m2	Teeth no. z	Wmin	
GN.31421	GN 187.4-22-48-A-NI	22	M4	-	3	15.5	32	-	6.5	13	12	12	48	0.6	20
GN.31427	GN 187.4-22-48-B-NI	22	-	4.2	3	15.5	32	-	6.5	13	12	12	48	0.6	20
GN.31441	GN 187.4-22-48-C-NI	22	M4	-	3	15.5	-	M3	6.5	13	12	12	48	0.6	20
GN.31447	GN 187.4-22-48-D-NI	22	-	4.2	3	15.5	-	M3	6.5	13	12	12	48	0.6	20
GN.31461	GN 187.4-22-48-E-NI	22	-	-	-	15.5	-	-	6.5	13	-	-	48	0.6	15
GN.31467	GN 187.4-22-60-A-NI	22	M4	-	3	15.5	3.2	-	6.5	13	12	12	60	0.6	20
GN.31481	GN 187.4-22-60-B-NI	22	-	4.2	3	15.5	3.2	-	6.5	13	12	12	60	0.6	20
GN.31487	GN 187.4-22-60-C-NI	22	M4	-	3	15.5	-	M3	6.5	13	12	12	60	0.6	14
GN.31422	GN 187.4-22-60-D-NI	22	-	4.2	3	15.5	-	M3	6.5	13	12	12	60	0.6	20
GN.31428	GN 187.4-22-60-E-NI	22	-	-	-	15.5	-	-	6.5	13	-	-	60	0.6	20
GN.31442	GN 187.4-27-48-A-NI	27	M5	-	4	19.5	4.3	-	7.5	15	15	15	48	0.7	20
GN.31448	GN 187.4-27-48-B-NI	27	-	5.2	4	19.5	4.3	-	7.5	15	15	15	48	0.7	20
GN.31462	GN 187.4-27-48-C-NI	27	M5	-	4	19.5	-	M4	7.5	15	15	15	48	0.7	24
GN.31468	GN 187.4-27-48-D-NI	27	-	5.2	4	19.5	-	M4	7.5	15	15	15	48	0.7	26
GN.31482	GN 187.4-27-48-E-NI	27	-	-	-	19.5	-	-	7.5	15	-	-	48	0.7	27
GN.31488	GN 187.4-27-60-A-NI	27	M5	-	4	19.5	4.3	-	7.5	15	15	15	60	0.7	21
GN.31423	GN 187.4-27-60-B-NI	27	-	5.2	4	19.5	4.3	-	7.5	15	15	15	60	0.7	21
GN.31429	GN 187.4-27-60-C-NI	27	M5	-	4	19.5	-	M4	7.5	15	15	15	60	0.7	24
GN.31443	GN 187.4-27-60-D-NI	27	-	5.2	4	19.5	-	M4	7.5	15	15	15	60	0.7	24
GN.31449	GN 187.4-27-60-E-NI	27	-	-	-	19.5	-	-	7.5	15	-	-	60	0.7	20
GN.31463	GN 187.4-32-48-A-NI	32	M6	-	5	23.5	5.3	-	9	18	18	18	48	0.9	35
GN.31469	GN 187.4-32-48-B-NI	32	-	6.2	5	23.5	5.3	-	9	18	18	18	48	0.9	35
GN.31483	GN 187.4-32-48-C-NI	32	M6	-	5	23.5	-	M5	9	18	18	18	48	0.9	39
GN.31489	GN 187.4-32-48-D-NI	32	-	6.2	5	23.5	-	M5	9	18	18	18	48	0.9	39
GN.31424	GN 187.4-32-48-E-NI	32	-	-	-	23.5	-	-	9	18	-	-	48	0.9	46
GN.31430	GN 187.4-32-60-A-NI	32	M6	-	5	23.5	5.3	-	9	18	18	18	60	0.9	37
GN.31444	GN 187.4-32-60-B-NI	32	-	6.2	5	23.5	5.3	-	9	18	18	18	60	0.9	36
GN.31450	GN 187.4-32-60-C-NI	32	M6	-	5	23.5	-	M5	9	18	18	18	60	0.9	41
GN.31464	GN 187.4-32-60-D-NI	32	-	6.2	5	23.5	-	M5	9	18	18	18	60	0.9	40
GN.31470	GN 187.4-32-60-E-NI	32	-	-	-	23.5	-	-	9	18	-	-	60	0.9	46
GN.31484	GN 187.4-40-48-A-NI	40	M8	-	6	30	6.3	-	11.5	23	23	23	48	1.3	50
GN.31490	GN 187.4-40-48-B-NI	40	-	8.2	6	30	6.3	-	11.5	23	23	23	48	1.3	72
GN.31425	GN 187.4-40-48-C-NI	40	M8	-	6	30	-	M6	11.5	23	23	23	48	1.3	81
GN.31431	GN 187.4-40-48-D-NI	40	-	8.2	6	30	-	M6	11.5	23	23	23	48	1.3	79
GN.31445	GN 187.4-40-48-E-NI	40	-	-	-	30	-	-	11.5	23	-	-	48	1.3	80
GN.31451	GN 187.4-40-60-A-NI	40	M8	-	6	30	6.3	-	11.5	23	23	23	60	1.3	60
GN.31465	GN 187.4-40-60-B-NI	40	-	8.2	6	30	6.3	-	11.5	23	23	23	60	1.3	80
GN.31471	GN 187.4-40-60-C-NI	40	M8	-	6	30	-	M6	11.5	23	23	23	60	1.3	80
GN.31485	GN 187.4-40-60-D-NI	40	-	8.2	6	30	-	M6	11.5	23	23	23	60	1.3	80
GN.31491	GN 187.4-40-60-E-NI	40	-	-	-	30	-	-	11.5	23	-	-	60	1.7	90