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THREADED BODY

AISI 303 stainless steel, hexagon socket head.

SPRING

AISI 631 stainless steel.

STANDARD EXECUTIONS

Nitrided AISI 303 stainless steel bolt, working temperature max 250 °C:

- GN 616-SN: normal end-force spring.
- GN 616-SSN: heavy end-force spring.

Acetal resin based (POM) technopolymer bolt, working temperature from -30°C to +50°C:

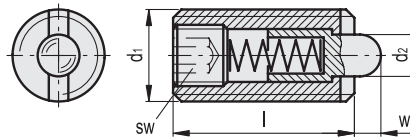
- GN 616-KN: normal end-force spring.
- GN 616-KSN: heavy end-force spring.

SPECIAL EXECUTIONS ON REQUEST

- GN 616-SN-MVK, GN 616-KN-MVK: thread locking by means of micro-encapsulated red patch (see Technical data on page A-20). Working temperature: from -40°C to +170°C.
- GN 616-SN-PFB, GN 616-KN-PFB: thread locking by means of polyamide blue coating (see Technical data on page A-20). Working temperature: from -50°C to +90°C.



Conversion Table 1 mm = 0.039 inch			
d2		d2	
mm	inch	mm	inch
1	0.04	4	0.16
1.5	0.06	6	0.24
2.4	0.09	7.5	0.29
2.7	0.11	10	0.39
3.5	0.14	12	0.47



GN 616-SN

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	l+0.2	sw	w	Spring preload [N]	Spring max load [N]	⚖️
GN.34097	GN 616-M3-SN	M 3	1	12	0.7	1	2	4	1
GN.34104	GN 616-M4-SN	M 4	1.5	15	1.3	1.5	4.5	16	1
GN.34114	GN 616-M5-SN	M 5	2.4	18	1.5	2.3	6	19	2
GN.34124	GN 616-M6-SN	M 6	2.7	20	2	2.5	6	19	3
GN.34134	GN 616-M8-SN	M 8	3.5	22	2.5	3	10	39	6
GN.34144	GN 616-M10-SN	M 10	4	22	3	3	10	39	9
GN.34154	GN 616-M12-SN	M 12	6	28	4	4	12	53	16
GN.34164	GN 616-M16-SN	M 16	7.5	32	5	5	45	100	35
GN.34174	GN 616-M20-SN	M 20	10	40	6	7	52	125	67
GN.34184	GN 616-M24-SN	M 24	12	52	8	10	80	180	164

GN 616-SSN

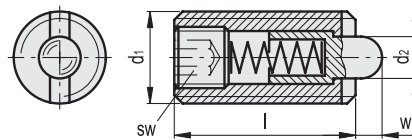
Code	Description	d1	d2	l+0.2	sw	w	Spring preload [N]	Spring max load [N]	⚖️
GN.34117	GN 616-M5-SSN	M 5	2.4	18	1.5	2.3	15	44	2
GN.34127	GN 616-M6-SSN	M 6	2.7	20	2	2.5	20	48	4
GN.34137	GN 616-M8-SSN	M 8	3.5	22	2.5	3	26	70	7
GN.34147	GN 616-M10-SSN	M 10	4	22	3	3	26	70	12
GN.34157	GN 616-M12-SSN	M 12	6	28	4	4	51	122	22
GN.34167	GN 616-M16-SSN	M 16	7.5	32	5	5	72	164	46
GN.34177	GN 616-M20-SSN	M 20	10	40	6	7	88	206	87
GN.34180	GN 616-M24-SSN	M 24	12	52	8	10	94	250	167

Indexing and positioning elements



Conversion Table
1 mm = 0.039 inch

d1		d2	
mm	inch	mm	inch
1	0.04	4	0.16
1.5	0.06	6	0.24
2.4	0.09	7.5	0.29
2.7	0.11	10	0.39
3.5	0.14	12	0.47



GN 616-KN

INOX STAINLESS STEEL **METRIC**

Code	Description	d1	d2	l+0.2	sw	w	Spring preload [N]	Spring max load [N]	⚖️
GN.34105	GN 616-M4-KN	M 4	1.5	15	1.3	1.5	4.5	16	1
GN.34115	GN 616-M5-KN	M 5	2.4	18	1.5	2.3	6	19	1
GN.34125	GN 616-M6-KN	M 6	2.7	20	2	2.5	6	19	3
GN.34135	GN 616-M8-KN	M 8	3.5	22	2.5	3	10	39	5
GN.34145	GN 616-M10-KN	M 10	4	22	3	3	10	39	9
GN.34155	GN 616-M12-KN	M 12	6	28	4	4	12	53	16
GN.34165	GN 616-M16-KN	M 16	7.5	32	5	5	38	100	32
GN.34175	GN 616-M20-KN	M 20	10	40	6	7	58	140	77
GN.34185	GN 616-M24-KN	M 24	12	52	8	10	80	180	143

GN 616-KSN

Code	Description	d1	d2	l+0.2	sw	w	Spring preload [N]	Spring max load [N]	⚖️
GN.34116	GN 616-M5-KSN	M 5	2.4	18	1.5	2.3	15	44	2
GN.34126	GN 616-M6-KSN	M 6	2.7	20	2	2.5	20	48	4
GN.34136	GN 616-M8-KSN	M 8	3.5	22	2.5	3	26	70	7
GN.34146	GN 616-M10-KSN	M 10	4	22	3	3	26	70	11
GN.34156	GN 616-M12-KSN	M 12	6	28	4	4	51	122	20
GN.34166	GN 616-M16-KSN	M 16	7.5	32	5	5	72	164	43
GN.34176	GN 616-M20-KSN	M 20	10	40	6	7	88	206	75
GN.34179	GN 616-M24-KSN	M 24	12	52	8	10	94	250	146