

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

THREADED BODY

Black-oxide steel, hexagon socket head.

STANDARD EXECUTIONS

- **GN 616-S**: hardened steel bolt, steel spring with normal end-force.
- **GN 616-SS**: hardened steel bolt, steel spring with heavy end-force with not burnished hexagon socket.

Maximum working temperature for the execution S and SS 220°C.

- **GN 616-K**: acetal resin based (POM) technopolymer bolt, steel spring with normal end-force.

Working temperature: from -30°C to +50°C.

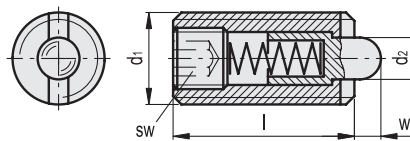
SPECIAL EXECUTIONS ON REQUEST

- GN 616-S-MVK, GN 616-SS-MVK, GN 616-K-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-S-PFB, GN 616-SS-PFB, GN 616-K-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-S

METRIC

Code	Description	d1	d2	l+0.2	sw	w+0.3-0.1	Spring preload [N]	Spring max load [N]	⚖
GN.34091	GN 616-M3-S	M 3	1	12	0.7	1	2	4	1
GN.34101	GN 616-M4-S	M 4	1.5	15	1.3	1.5	4.5	16	1
GN.34111	GN 616-M5-S	M 5	2.4	18	1.5	2.3	6	19	2
GN.34121	GN 616-M6-S	M 6	2.7	20	2	2.5	6	19	3
GN.34131	GN 616-M8-S	M 8	3.5	22	2.5	3	10	39	6
GN.34141	GN 616-M10-S	M 10	4	22	3	3	10	39	9
GN.34151	GN 616-M12-S	M 12	6	28	4	4	12	53	16
GN.34161	GN 616-M16-S	M 16	7.5	32	5	5	45	100	35
GN.34171	GN 616-M20-S	M 20	10	40	6	7	52	125	80
GN.34181	GN 616-M24-S	M 24	12	52	8	10	70	170	131

GN 616-SS

Code	Description	d1	d2	l+0.2	sw	w+0.3-0.1	Spring preload [N]	Spring max load [N]	⚖
GN.34113	GN 616-M5-SS	M 5	2.4	18	1.5	2.3	11	40	2
GN.34123	GN 616-M6-SS	M 6	2.7	20	2	2.5	15	43	3
GN.34133	GN 616-M8-SS	M 8	3.5	22	2.5	3	20	75	6
GN.34143	GN 616-M10-SS	M 10	4	22	3	3	20	75	9
GN.34153	GN 616-M12-SS	M 12	6	28	4	4	45	120	16
GN.34163	GN 616-M16-SS	M 16	7.5	32	5	5	64	160	35
GN.34173	GN 616-M20-SS	M 20	10	40	6	7	75	195	65
GN.34183	GN 616-M24-SS	M 24	12	52	8	10	75	245	120

GN 616-K

Code	Description	d1	d2	l+0.2	sw	w+0.3-0.1	Spring preload [N]	Spring max load [N]	⚖
GN.34102	GN 616-M4-K	M 4	1.5	15	1.3	1.5	4.5	16	1
GN.34112	GN 616-M5-K	M 5	2.4	18	1.5	2.3	6	19	2
GN.34122	GN 616-M6-K	M 6	2.7	20	2	2.5	6	19	2
GN.34132	GN 616-M8-K	M 8	3.5	22	2.5	3	10	39	5
GN.34142	GN 616-M10-K	M 10	4	22	3	3	10	39	9
GN.34152	GN 616-M12-K	M 12	6	28	4	4	12	53	14
GN.34162	GN 616-M16-K	M 16	7.5	32	5	5	45	100	31

Indexing and positioning elements