

GN 616

Threaded bolt spring plungers



• Threaded body

Black-oxide steel, hexagon socket head.

• Bolt and spring

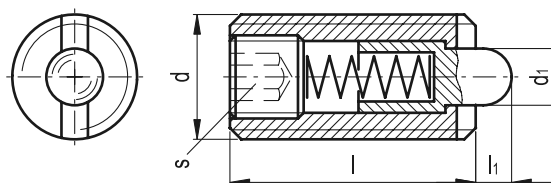
- Execution **S**: hardened steel bolt, steel spring with normal end-force.
- Execution **SS**: hardened steel bolt, steel spring with heavy end-force with not burnished hexagon socket.
Maximum working temperature for the execution S and SS 250°C.
- Execution **K**: acetal resin based (POM) technopolymer bolt, steel spring with normal end-force. Working temperature from -30°C to +50°C.

Special executions on request (For sufficient quantities)

- Execution **S-MVK, SS-MVK, K-MVK**: thread locking by means of micro-encapsulated red patch (see Technical Data on page A22).
Working temperature from -40°C to +170°C.
- Execution **S-PFB, SS-PFB, K-PFB**: thread locking by means of polyamide blue coating (see Technical Data on page A23).
Working temperature from -50°C to +90°C.

Features and applications

The slot on the plunger side is provided for a blind hole application. A special screw driver GN 616.5 is available.



Standard Elements	Main dimensions					Spring pressure		△△	Screw driver
Description	d	d1	l +0.2	l1 +0.3 -0.1	s	Preload [N~]	Max. load [N~]	g	Description
GN 616-M3-S	M3	1	12	1	0.7	2	4	1	GN 616.5-M3
GN 616-M4-S	M4	1.5	15	1.5	1.3	4.5	16	1	GN 616.5-M4
GN 616-M5-S	M5	2.4	18	2.3	1.5	6	19	2	GN 616.5-M5
GN 616-M6-S	M6	2.7	20	2.5	2	6	19	3	GN 616.5-M6
GN 616-M8-S	M8	3.5	22	3	2.5	10	39	6	GN 616.5-M8
GN 616-M10-S	M10	4	22	3	3	10	39	9	GN 616.5-M10
GN 616-M12-S	M12	6	28	4	4	12	53	16	GN 616.5-M12
GN 616-M16-S	M16	7.5	32	5	5	45	100	35	GN 616.5-M16
GN 616-M20-S	M20	10	40	7	6	52	125	65	GN 616.5-M20
GN 616-M24-S	M24	12	52	10	8	70	170	120	GN 616.5-M24
GN 616-M5-SS	M5	2.4	18	2.3	1.5	11	40	2	GN 616.5-M5
GN 616-M6-SS	M6	2.7	20	2.5	2	15	43	3	GN 616.5-M6
GN 616-M8-SS	M8	3.5	22	3	2.5	20	75	6	GN 616.5-M8
GN 616-M10-SS	M10	4	22	3	3	20	75	9	GN 616.5-M10
GN 616-M12-SS	M12	6	28	4	4	45	120	16	GN 616.5-M12
GN 616-M16-SS	M16	7.5	32	5	5	64	160	35	GN 616.5-M16
GN 616-M20-SS	M20	10	40	7	6	75	195	65	GN 616.5-M20
GN 616-M24-SS	M24	12	52	10	8	75	245	120	GN 616.5-M24
GN 616-M4-K	M4	1.5	15	1.5	1.3	4.5	16	1	GN 616.5-M4
GN 616-M5-K	M5	2.4	18	2.3	1.5	6	19	2	GN 616.5-M5
GN 616-M6-K	M6	2.7	20	2.5	2	6	19	2	GN 616.5-M6
GN 616-M8-K	M8	3.5	22	3	2.5	10	39	5	GN 616.5-M8
GN 616-M10-K	M10	4	22	3	3	10	39	10	GN 616.5-M10
GN 616-M12-K	M12	6	28	4	4	12	53	14	GN 616.5-M12
GN 616-M16-K	M16	7.5	32	5	5	45	100	31	GN 616.5-M16