

GN 615 | Ball spring plungers

Steel



THREADED BODY

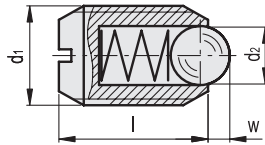
Black-oxide steel, screwdriver slotted head.

STANDARD EXECUTIONS

- **GN 615-K:** hardened steel ball, steel spring with normal end-force.
- **GN 615-KS:** hardened steel ball, steel spring with heavy end-force, threaded body with two laser-engraved lines.

SPECIAL EXECUTIONS ON REQUEST

- GN 615-K-MVK, GN 615-KS-MVK: thread locking by means of micro-encapsulated red patch (see Technical data on page A-19). Working temperature: from -40°C to +170°C.
- GN 615-K-PFB, GN 615-KS-PFB: thread locking by means of polyamide blue coating (see Technical data on page A-19). Working temperature: from -50°C to +90°C.



GN 615-K

Code	Description	d1	d2	l±0.1	w	Spring preload [N]	Spring max load [N]	Δ
GN.33091	GN 615-M3-K	M3	1.5	7	0.4	3	4.5	1
GN.33101	GN 615-M4-K	M4	2.5	9	0.8	6	14.5	1
GN.33111	GN 615-M5-K	M5	3	12	0.9	8	14	1
GN.33121	GN 615-M6-K	M6	3.5	14	1	11	18	2
GN.33131	GN 615-M8-K	M8	4.5	16	1.5	18	31	4
GN.33141	GN 615-M10-K	M10	6	19	2	24	45	7
GN.33151	GN 615-M12-K	M12	8	22	2.5	26	49	10
GN.33161	GN 615-M16-K	M16	10	24	3.5	41	86	24
GN.33171	GN 615-M20-K	M20	12	30	4.5	56	111	43
GN.33181	GN 615-M24-K	M24	15	34	5.5	81	151	70

GN 615-KS

GN.33112	GN 615-M5-KS	M5	3	12	0.9	15	22	1
GN.33122	GN 615-M6-KS	M6	3.5	14	1	19	28	2
GN.33132	GN 615-M8-KS	M8	4.5	16	1.5	36	62	4
GN.33145	GN 615-M10-KS	M10	6	19	2	57	104	7
GN.33152	GN 615-M12-KS	M12	8	22	2.5	61	110	10
GN.33165	GN 615-M16-KS	M16	10	24	3.5	68	142	24
GN.33172	GN 615-M20-KS	M20	12	30	4.5	84	166	43
GN.33182	GN 615-M24-KS	M24	15	34	5.5	127	237	70

GN 615-NI | Ball spring plungers

Stainless steel



THREADED BODY

AISI 303 stainless steel, screwdriver slotted head.

STANDARD EXECUTIONS

- **GN 615-KN:** hardened stainless steel ball, stainless steel spring with normal end-force.
- **GN 615-KSN:** hardened stainless steel ball, stainless steel spring with heavy end-force, threaded body with two laser-engraved lines.

SPECIAL EXECUTIONS ON REQUEST

- GN 615-KN-MVK, GN 615-KSN-MVK: thread locking by means of micro-encapsulated red patch (see Technical data on page A-19). Working temperature: from -40°C to +170°C.
- GN 615-KN-PFB, GN 615-KSN-PFB: thread locking by means of polyamide blue coating (see Technical data on page A-19). Working temperature: from -50°C to +90°C.

GN 615-KN

Code	Description	d1	d2	l±0.1	w	Spring preload [N]	Spring max load [N]	Δ
GN.33093	GN 615-M3-KN	M3	1.5	7	0.4	3	4.5	1
GN.33103	GN 615-M4-KN	M4	2.5	9	0.8	6	14.5	1
GN.33113	GN 615-M5-KN	M5	3	12	0.9	8	14	1
GN.33123	GN 615-M6-KN	M6	3.5	14	1	11	18	2
GN.33133	GN 615-M8-KN	M8	4.5	16	1.5	18	31	4
GN.33143	GN 615-M10-KN	M10	6	19	2	24	45	7
GN.33153	GN 615-M12-KN	M12	8	22	2.5	26	49	10
GN.33163	GN 615-M16-KN	M16	10	24	3.5	41	86	24
GN.33173	GN 615-M20-KN	M20	12	30	4.5	56	111	43
GN.33183	GN 615-M24-KN	M24	15	34	5.5	81	151	70

GN 615-KSN

GN.33114	GN 615-M5-KSN	M5	3	12	0.9	15	22	1
GN.33124	GN 615-M6-KSN	M6	3.5	14	1	19	28	2
GN.33134	GN 615-M8-KSN	M8	4.5	16	1.5	36	62	4
GN.33144	GN 615-M10-KSN	M10	6	19	2	57	104	7
GN.33154	GN 615-M12-KSN	M12	8	22	2.5	61	110	10
GN.33164	GN 615-M16-KSN	M16	10	24	3.5	68	142	24
GN.33174	GN 615-M20-KSN	M20	12	30	4.5	84	166	43
GN.33184	GN 615-M24-KSN	M24	15	34	5.5	127	237	70



Indexing and positioning elements