

# GN 615.3 | Ball spring plungers

Steel



# GN 615.3-NI | Ball spring plungers

Stainless steel



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## THREADED BODY

Black-oxide steel, hexagon socket head.

## STANDARD EXECUTIONS

- **GN 615.3-K**: hardened steel ball, steel spring with normal end-force.
- **GN 615.3-KS**: hardened steel ball, steel spring with heavy end-force, threaded body with two laser-engraved lines.

## FEATURES AND APPLICATIONS

GN 615.3 threaded ball spring plungers represent a further development of plungers GN 615 (see page 827) for special applications which require the fixation by means of a hexagon socket screw.

## SPECIAL EXECUTIONS ON REQUEST

- GN 615.3-K-MVK, GN 615.3-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 615.3-K-PFB, GN 615.3-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.

## THREADED BODY

AISI 303 stainless steel, hexagon socket head.

## STANDARD EXECUTIONS

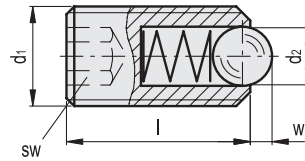
- **GN 615.3-KN**: hardened stainless steel ball, stainless steel spring with normal end-force.
- **GN 615.3-KSN**: hardened stainless steel ball, stainless steel spring with heavy end-force, threaded body with two laser-engraved lines.

## FEATURES AND APPLICATIONS

GN 615.3-NI threaded ball spring plungers represent a further development of plungers GN 615-NI (see page 829) for special applications which require the fixation by means of a hexagon socket screw.

## SPECIAL EXECUTIONS ON REQUEST

- GN 615.3-KN-MVK, GN 615.3-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 615.3-KN-PFB, GN 615.3-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 615.3-K

Code	Description	d1	d2	L±0.1	sw	w	Spring preload [N]	Spring max load [N]	
GN.33391	GN 615.3-M3-K	M3	1.5	8	1.5	0.4	3	4.5	4
GN.33401	GN 615.3-M4-K	M4	2.5	12	2	0.8	8.5	14	1
GN.33411	GN 615.3-M5-K	M5	3	14	2.5	0.9	8	14	1
GN.33421	GN 615.3-M6-K	M6	3.5	15	3	1	11	18	2
GN.33431	GN 615.3-M8-K	M8	4.5	18	4	1.5	18	31	4
GN.33441	GN 615.3-M10-K	M10	6	23	5	2	24	45	8
GN.33451	GN 615.3-M12-K	M12	8	26	6	2.5	26	49	13
GN.33461	GN 615.3-M16-K	M16	10	33	8	3.5	41	86	32
GN.33471	GN 615.3-M20-K	M20	12	43	10	4.5	66	111	36
GN.33481	GN 615.3-M24-K	M24	15	48	12	5.5	81	151	42

## GN 615.3-KS

GN.33412	GN 615.3-M5-KS	M5	3	14	2.5	0.9	15	22	1
GN.33422	GN 615.3-M6-KS	M6	3.5	15	3	1	19	28	2
GN.33432	GN 615.3-M8-KS	M8	4.5	18	4	1.5	36	62	4
GN.33442	GN 615.3-M10-KS	M10	6	23	5	2	57	104	8
GN.33452	GN 615.3-M12-KS	M12	8	26	6	2.5	61	110	13
GN.33462	GN 615.3-M16-KS	M16	10	33	7	3.5	68	142	32
GN.33472	GN 615.3-M20-KS	M20	12	43	10	4.5	84	166	36
GN.33482	GN 615.3-M24-KS	M24	15	48	12	5.5	127	237	42

## GN 615.3-KN



Code	Description	d1	d2	L±0.1	sw	w	Spring preload [N]	Spring max load [N]	
GN.33393	GN 615.3-M3-KN	M3	1.5	8	1.5	0.4	3	4.5	1
GN.33403	GN 615.3-M4-KN	M4	2.5	12	2	0.8	8.5	14	1
GN.33413	GN 615.3-M5-KN	M5	3	14	2.5	0.9	8	14	1
GN.33423	GN 615.3-M6-KN	M6	3.5	15	3	1	11	18	2
GN.33433	GN 615.3-M8-KN	M8	4.5	18	4	1.5	18	31	4
GN.33443	GN 615.3-M10-KN	M10	6	23	5	2	24	45	8
GN.33453	GN 615.3-M12-KN	M12	8	26	6	2.5	26	49	13
GN.33463	GN 615.3-M16-KN	M16	10	33	8	3.5	41	86	32
GN.33473	GN 615.3-M20-KN	M20	12	43	10	4.5	66	111	36
GN.33483	GN 615.3-M24-KN	M24	15	48	12	5.5	81	151	43

## GN 615.3-KSN

GN.33414	GN 615.3-M5-KSN	M5	3	14	2.5	0.9	15	22	1
GN.33424	GN 615.3-M6-KSN	M6	3.5	15	3	1	19	28	2
GN.33434	GN 615.3-M8-KSN	M8	4.5	18	4	1.5	36	62	4
GN.33444	GN 615.3-M10-KSN	M10	6	23	5	2	57	104	8
GN.33454	GN 615.3-M12-KSN	M12	8	26	6	2.5	61	110	13
GN.33464	GN 615.3-M16-KSN	M16	10	33	7	3.5	68	142	32
GN.33474	GN 615.3-M20-KSN	M20	12	43	10	4.5	84	166	36
GN.33484	GN 615.3-M24-KSN	M24	15	48	12	5.5	127	237	43