

Spring plungers

Steel / Stainless Steel, with ball / with internal hexagon

SPECIFICATION

Types

- Type **K**: Steel, standard spring load
- Type **KS**: Steel, high spring load
- Type **KN**: Stainless Steel, standard spring load
- Type **KSN**: Stainless Steel, high spring load

Type K / KS

- Housing Steel, blackened
- Ball Steel, hardened

Type KN / KSN

- Housing Stainless Steel AISI 303
- Ball Stainless Steel AISI 420C, hardened

Spring
Stainless Steel AISI 631

Marking of Type KS / KSN:
Housing with 2 longitudinal markings

- Thread lockings (optional)
- Polyamide patch **PFB**

Type K/KS M 3 ... M16
Type K*/KS* M20 ... M24
Type KN/KSN M3 ... M6
Type KN*/KSN* M20 ... M24
- Micro encapsulation* **MVK**

* not available from stock, requires a minimum order quantity



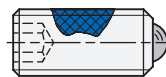
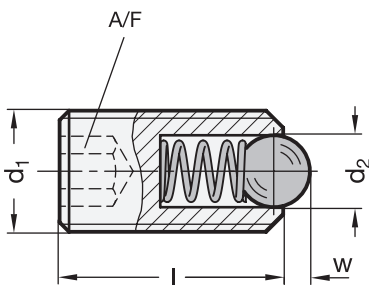
INFORMATION

The **PFB** patch is a **jamming** thread locking (Polyamide patch). The coating for Type K or KN (standard spring load) is indicated blue, for Type KS or KSN (high spring load) green. For this Type of thread locking a relatively high torque is required. Therefore this version with internal hexagon is more preferable than the version with slot GN 615 (see page 839).

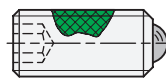
MVK (Micro encapsulation) is a **gluing** thread locking (indicated red).

TECHNICAL INFORMATION

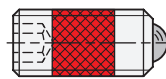
- More information to thread locking MVK (see page A24)
- More information to thread locking PFB (see page A24)



Thread locking **PFB**
Polyamide patch
for type **K** and **KN**



Thread locking **PFB**
Polyamide patch
for type **KS** and **KSN**



Thread locking **MVK**
Micro encapsulation precote
(for all types)

GN 615.3-K/KS

Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 615.3-M3-K	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-K	M 4	2.5	12	0.8	2	8.5	14	1
GN 615.3-M5-K	M 5	3	14	0.9	2.5	8	14	1
GN 615.3-M6-K	M 6	3.5	15	1	3	11	18	2
GN 615.3-M8-K	M 8	4.5	18	1.5	4	18	31	4
GN 615.3-M10-K	M 10	6	23	2	5	24	45	8
GN 615.3-M12-K	M 12	8	26	2.5	6	26	49	13
GN 615.3-M16-K	M 16	10	33	3.5	8	41	86	31
GN 615.3-M20-K	M 20	12	43	4.5	10	56	111	65
GN 615.3-M24-K	M 24	15	48	5.5	12	81	151	103
GN 615.3-M5-KS	M 5	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KS	M 6	3.5	15	1	3	19	28	2
GN 615.3-M8-KS	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KS	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KS	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KS	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KS	M 20	12	43	4.5	10	84	166	65
GN 615.3-M24-KS	M 24	15	48	5.5	12	127	237	105
GN 615.3-M3-K-MVK	M 3*	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-K-MVK	M 4*	2.5	12	0.8	2	8.5	14	1
GN 615.3-M5-K-MVK	M 5*	3	14	0.9	2.5	8	14	1
GN 615.3-M6-K-MVK	M 6*	3.5	15	1	3	11	18	1
GN 615.3-M8-K-MVK	M 8*	4.5	18	1.5	4	18	31	4
GN 615.3-M10-K-MVK	M 10*	6	23	2	5	24	45	8
GN 615.3-M12-K-MVK	M 12*	8	26	2.5	6	26	49	13
GN 615.3-M16-K-MVK	M 16*	10	33	3.5	8	41	86	26
GN 615.3-M20-K-MVK	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-K-MVK	M 24*	15	48	5.5	12	81	151	103
GN 615.3-M5-KS-MVK	M 5*	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KS-MVK	M 6*	3.5	15	1	3	19	28	2
GN 615.3-M8-KS-MVK	M 8*	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KS-MVK	M 10*	6	23	2	5	57	104	8
GN 615.3-M12-KS-MVK	M 12*	8	26	2.5	6	61	110	13
GN 615.3-M16-KS-MVK	M 16*	10	33	3.5	8	68	142	32
GN 615.3-M20-KS-MVK	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KS-MVK	M 24*	15	48	5.5	12	127	237	103
GN 615.3-M3-K-PFB	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-K-PFB	M 4	2.5	12	0.8	2	8.5	14	1
GN 615.3-M5-K-PFB	M 5	3	14	0.9	2.5	8	14	1
GN 615.3-M6-K-PFB	M 6	3.5	15	1	3	11	18	2
GN 615.3-M8-K-PFB	M 8	4.5	18	1.5	4	18	31	4
GN 615.3-M10-K-PFB	M 10	6	23	2	5	24	45	8
GN 615.3-M12-K-PFB	M 12	8	26	2.5	6	26	49	13
GN 615.3-M16-K-PFB	M 16	10	33	3.5	8	41	86	30
GN 615.3-M20-K-PFB	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-K-PFB	M 24*	15	48	5.5	12	81	151	103
GN 615.3-M5-KS-PFB	M 5	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KS-PFB	M 6	3.5	15	1	3	19	28	2
GN 615.3-M8-KS-PFB	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KS-PFB	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KS-PFB	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KS-PFB	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KS-PFB	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KS-PFB	M 24*	15	48	5.5	12	127	237	103

* not available from stock, requires a minimum order quantity



GN 615.3-KN/KSN

STAINLESS STEEL

Description	d1	d2	l ±0.1	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 615.3-M3-KN	M 3	1.5	8	0.4	1.5	3	4.5	1
GN 615.3-M4-KN	M 4	2.5	12	0.8	2	8.5	14	1
GN 615.3-M5-KN	M 5	3	14	0.9	2.5	8	14	1
GN 615.3-M6-KN	M 6	3.5	15	1	3	11	18	2
GN 615.3-M8-KN	M 8	4.5	18	1.5	4	18	31	4
GN 615.3-M10-KN	M 10	6	23	2	5	24	45	8
GN 615.3-M12-KN	M 12	8	26	2.5	6	26	49	13
GN 615.3-M16-KN	M 16	10	33	3.5	8	41	86	32
GN 615.3-M20-KN	M 20	12	43	4.5	10	56	111	65
GN 615.3-M24-KN	M 24	15	48	5.5	12	81	151	100
GN 615.3-M5-KSN	M 5	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KSN	M 6	3.5	15	1	3	19	28	2
GN 615.3-M8-KSN	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KSN	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KSN	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KSN	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KSN	M 20	12	43	4.5	10	84	166	65
GN 615.3-M24-KSN	M 24	15	48	5.5	12	127	237	100
GN 615.3-M5-KN-MVK	M 5*	3	14	0.9	2.5	8	14	2
GN 615.3-M6-KN-MVK	M 6*	3.5	15	1	3	11	18	2
GN 615.3-M8-KN-MVK	M 8*	4.5	18	1.5	4	18	31	4
GN 615.3-M10-KN-MVK	M 10*	6	23	2	5	24	45	8
GN 615.3-M12-KN-MVK	M 12*	8	26	2.5	6	26	49	13
GN 615.3-M16-KN-MVK	M 16*	10	33	3.5	8	41	86	32
GN 615.3-M20-KN-MVK	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-KN-MVK	M 24*	15	48	5.5	12	81	151	103
GN 615.3-M5-KSN-MVK	M 5*	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KSN-MVK	M 6*	3.5	15	1	3	19	28	2
GN 615.3-M8-KSN-MVK	M 8*	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KSN-MVK	M 10*	6	23	2	5	57	104	8
GN 615.3-M12-KSN-MVK	M 12*	8	26	2.5	6	61	110	13
GN 615.3-M16-KSN-MVK	M 16*	10	33	3.5	8	68	142	32
GN 615.3-M20-KSN-MVK	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KSN-MVK	M 24*	15	48	5.5	12	127	237	103
GN 615.3-M3-KN-PFB	M 3	1.5	8	0.4	1.5	3	4.5	2
GN 615.3-M4-KN-PFB	M 4	2.5	12	0.8	2	8.5	14	5
GN 615.3-M5-KN-PFB	M 5	3	14	0.9	2.5	8	14	1
GN 615.3-M6-KN-PFB	M 6	3.5	15	1	3	11	18	2
GN 615.3-M8-KN-PFB	M 8	4.5	18	1.5	4	18	31	4
GN 615.3-M10-KN-PFB	M 10	6	23	2	5	24	45	8
GN 615.3-M12-KN-PFB	M 12	8	26	2.5	6	26	49	13
GN 615.3-M16-KN-PFB	M 16	10	33	3.5	8	41	86	32
GN 615.3-M20-KN-PFB	M 20*	12	43	4.5	10	56	111	65
GN 615.3-M24-KN-PFB	M 24*	15	48	5.5	12	81	151	103
GN 615.3-M5-KSN-PFB	M 5	3	14	0.9	2.5	15	22	1
GN 615.3-M6-KSN-PFB	M 6	3.5	15	1	3	19	28	2
GN 615.3-M8-KSN-PFB	M 8	4.5	18	1.5	4	36	62	4
GN 615.3-M10-KSN-PFB	M 10	6	23	2	5	57	104	8
GN 615.3-M12-KSN-PFB	M 12	8	26	2.5	6	61	110	13
GN 615.3-M16-KSN-PFB	M 16	10	33	3.5	8	68	142	32
GN 615.3-M20-KSN-PFB	M 20*	12	43	4.5	10	84	166	65
GN 615.3-M24-KSN-PFB	M 24*	15	48	5.5	12	127	237	100

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