

## Spring Plungers

Steel / Stainless Steel, with Ball, with Internal Hex

### SPECIFICATION

#### Types

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

Pressure spring

Stainless steel AISI 631

Identification of the types KS / KSN

Housing with 2 longitudinal markings

Thread lockings (optional)

- Polyamide patch **PFB**  
M3 ... M16  
M20 ... M24\*\*
- Micro encapsulation **MVK**\*\*

\*\* not available from stock, requires a minimum order quantity



### INFORMATION

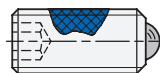
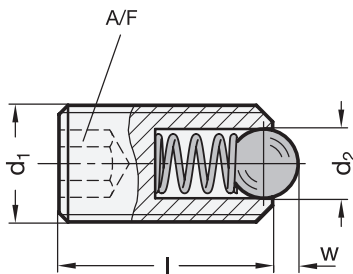
The **PFB** patch is a **jamming** thread locking (Polyamide patch). The coating for Type K or KN (standard spring load) is indicated blue, for Type KS or KSN (high spring load) green. For this Type of thread locking a relatively high torque is required. Therefore this version with internal hex is more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

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

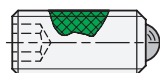
### TECHNICAL INFORMATION

- Thread Locking PFB (see page A24)
- Thread Locking MVK (see page A24)
- Stainless Steel Characteristics (see page A2)

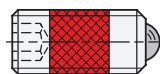
Indexing elements 8



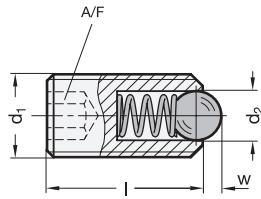
Thread locking **PFB**  
Polyamide patch blue  
for type **K** and **KN**



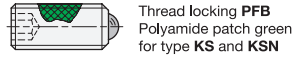
Thread locking **PFB**  
Polyamide patch green  
for type **KS** and **KSN**



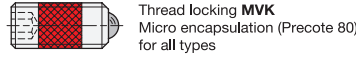
Thread locking **MVK**  
Micro encapsulation (Precote 80)  
for all types



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



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



Thread locking **MVK**  
Micro encapsulation (Precote 80)  
for all types

\* Complete with color index (PFB or MVK)

**PFB** Polyamide patch      **MVK** Micro encapsulation

### GN 615.3-K

Description	d1	d2	l ±0.1	A/F	w	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-K	M 3	1.5	8	1.5	0.4	3	4.5	1
GN 615.3-M4-K	M 4	2.5	12	2	0.8	8.5	14	2
GN 615.3-M5-K	M 5	3	14	2.5	0.9	8	14	3
GN 615.3-M6-K	M 6	3.5	15	3	1	11	18	4
GN 615.3-M8-K	M 8	4.5	18	4	1.5	18	31	8
GN 615.3-M10-K	M 10	6	23	5	2	24	45	13
GN 615.3-M12-K	M 12	8	26	6	2.5	26	49	14
GN 615.3-M16-K	M 16	10	33	8	3.5	41	86	32
GN 615.3-M20-K	M 20	12	43	10	4.5	56	111	65
GN 615.3-M24-K	M 24	15	48	12	5.5	81	151	103
GN 615.3-M3-K-*	M 3	1.5	8	1.5	0.4	3	4.5	1
GN 615.3-M4-K-*	M 4	2.5	12	2	0.8	8.5	14	2
GN 615.3-M5-K-*	M 5	3	14	2.5	0.9	8	14	3
GN 615.3-M6-K-*	M 6	3.5	15	3	1	11	18	4
GN 615.3-M8-K-*	M 8	4.5	18	4	1.5	18	31	6
GN 615.3-M10-K-*	M 10	6	23	5	2	24	45	8
GN 615.3-M12-K-*	M 12	8	26	6	2.5	26	49	13
GN 615.3-M16-K-*	M 16	10	33	8	3.5	41	86	14
GN 615.3-M20-K-*	M 20**	12	43	10	4.5	56	111	65
GN 615.3-M24-K-*	M 24**	15	48	12	5.5	81	151	103

### GN 615.3-KN

**STAINLESS STEEL**

Description	d1	d2	l ±0.1	A/F	w	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-KN	M 3	1.5	8	1.5	0.4	3	4.5	1
GN 615.3-M4-KN	M 4	2.5	12	2	0.8	8.5	14	2
GN 615.3-M5-KN	M 5	3	14	2.5	0.9	8	14	3
GN 615.3-M6-KN	M 6	3.5	15	3	1	11	18	4
GN 615.3-M8-KN	M 8	4.5	18	4	1.5	18	31	8
GN 615.3-M10-KN	M 10	6	23	5	2	24	45	13
GN 615.3-M12-KN	M 12	8	26	6	2.5	26	49	14
GN 615.3-M16-KN	M 16	10	33	8	3.5	41	86	32
GN 615.3-M20-KN	M 20	12	43	10	4.5	56	111	65
GN 615.3-M24-KN	M 24	15	48	12	5.5	81	151	103
GN 615.3-M3-KN-*	M 3	1.5	8	1.5	0.4	3	4.5	1
GN 615.3-M4-KN-*	M 4	2.5	12	2	0.8	8.5	14	2
GN 615.3-M5-KN-*	M 5	3	14	2.5	0.9	8	14	3
GN 615.3-M6-KN-*	M 6	3.5	15	3	1	11	18	4
GN 615.3-M8-KN-*	M 8	4.5	18	4	1.5	18	31	8
GN 615.3-M10-KN-*	M 10	6	23	5	2	24	45	13
GN 615.3-M12-KN-*	M 12	8	26	6	2.5	26	49	14
GN 615.3-M16-KN-*	M 16	10	33	8	3.5	41	86	32
GN 615.3-M20-KN-*	M 20**	12	43	10	4.5	56	111	65
GN 615.3-M24-KN-*	M 24**	15	48	12	5.5	81	151	103

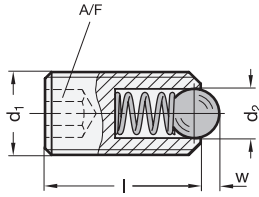
Weight Version PFB

MVK not available from stock, requires a minimum order quantity

\*\* not available from stock, requires a minimum order quantity



Indexing elements



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

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

Thread locking **MVK**  
Micro encapsulation (Precote 80)  
for all types

\* Complete with color index (PFB or MVK)

**PFB** Polyamide patch  
**MVK** Micro encapsulation

**GN 615.3-KS**

Description	d1	d2	l ±0.1	A/F	w	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-KS	M 3	1.5	8	1.5	0.4	5	9	1
GN 615.3-M4-KS	M 4	2.5	12	2	0.8	12	18	1
GN 615.3-M5-KS	M 5	3	14	2.5	0.9	15	22	2
GN 615.3-M6-KS	M 6	3.5	15	3	1	19	28	3
GN 615.3-M8-KS	M 8	4.5	18	4	1.5	36	62	4
GN 615.3-M10-KS	M 10	6	23	5	2	57	104	8
GN 615.3-M12-KS	M 12	8	26	6	2.5	61	110	13
GN 615.3-M16-KS	M 16	10	33	8	3.5	68	142	32
GN 615.3-M20-KS	M 20	12	43	10	4.5	84	166	65
GN 615.3-M24-KS	M 24	15	48	12	5.5	127	237	103
GN 615.3-M3-KS-*	M 3	1.5	8	1.5	0.4	5	9	1
GN 615.3-M4-KS-*	M 4	2.5	12	2	0.8	12	18	1
GN 615.3-M5-KS-*	M 5	3	14	2.5	0.9	15	22	2
GN 615.3-M6-KS-*	M 6	3.5	15	3	1	19	28	3
GN 615.3-M8-KS-*	M 8	4.5	18	4	1.5	36	62	4
GN 615.3-M10-KS-*	M 10	6	23	5	2	57	104	8
GN 615.3-M12-KS-*	M 12	8	26	6	2.5	61	110	13
GN 615.3-M16-KS-*	M 16	10	33	8	3.5	68	142	32
GN 615.3-M20-KS-*	M 20**	12	43	10	4.5	84	166	65
GN 615.3-M24-KS-*	M 24**	15	48	12	5.5	127	237	103

**GN 615.3-KSN**

**STAINLESS STEEL**

Description	d1	d2	l ±0.1	A/F	w	Spring load in N ≈ Initial	Spring load in N ≈ End	⚖
GN 615.3-M3-KSN	M 3	1.5	8	1.5	0.4	5	9	1
GN 615.3-M4-KSN	M 4	2.5	12	2	0.8	12	18	1
GN 615.3-M5-KSN	M 5	3	14	2.5	0.9	15	22	2
GN 615.3-M6-KSN	M 6	3.5	15	3	1	19	28	3
GN 615.3-M8-KSN	M 8	4.5	18	4	1.5	36	62	4
GN 615.3-M10-KSN	M 10	6	23	5	2	57	104	8
GN 615.3-M12-KSN	M 12	8	26	6	2.5	61	110	13
GN 615.3-M16-KSN	M 16	10	33	8	3.5	68	142	32
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GN 615.3-M24-KSN	M 24	15	48	12	5.5	127	237	103
GN 615.3-M3-KSN-*	M 3	1.5	8	1.5	0.4	5	9	1
GN 615.3-M4-KSN-*	M 4	2.5	12	2	0.8	12	18	1
GN 615.3-M5-KSN-*	M 5	3	14	2.5	0.9	15	22	2
GN 615.3-M6-KSN-*	M 6	3.5	15	3	1	19	28	3
GN 615.3-M8-KSN-*	M 8	4.5	18	4	1.5	36	62	4
GN 615.3-M10-KSN-*	M 10	6	23	5	2	57	104	8
GN 615.3-M12-KSN-*	M 12	8	26	6	2.5	61	110	13
GN 615.3-M16-KSN-*	M 16	10	33	8	3.5	68	142	32
GN 615.3-M20-KSN-*	M 20**	12	43	10	4.5	84	166	65
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Weight Version PFB

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Indexing elements 8