Ball spring plungers

with friction block bearing, steel or stainless steel

METRIC

INOX STAINLESS STEEL RoHS

FRICTION BLOCK BEARING
Technopolymer.

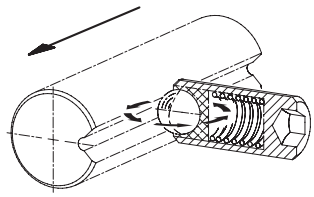
SPRING
AISI 631 stainless steel.

STANDARD EXECUTIONS
Black-oxide steel threaded body, hexagon socket head:
- **GN 615.9-K**: hardened steel ball, normal end-force spring.
- **GN 615.9-KS**: hardened steel ball, spring with heavy end-force.

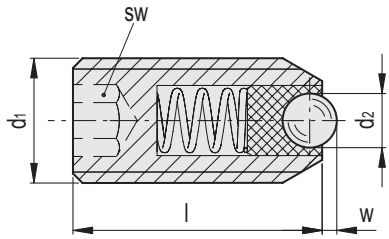
Black-oxide AISI 303 stainless steel threaded body, hexagon socket head.
- **GN 615.9-KN**: AISI 420C hardened stainless steel ball, normal end-force spring.
- **GN 615.9-KSN**: AISI 420C hardened stainless steel ball, spring with heavy end-force.

MAX. WORKING TEMPERATURE
90°C.

FEATURES AND APPLICATIONS
GN 615.9 ball spring plungers are the result of a further development of GN 615.8 for special applications, which require adjustment or positioning by means of a hexagon socket screw. They are used for the pressure and block function, obtained thanks to the presence of a technopolymer friction block bearing.
The ball is mounted in the friction bearing which, while allowing mobility, makes locking much more effective.
The technopolymer bearing also acts as an electrical insulator.



Conversion Table *1 mm = 0.039 inch*	
d2 ▼	
mm	inch
2	0.08
2.5	0.10
3.5	0.14
4.5	0.18
6.5	0.25
8.5	0.33



INOX STAINLESS STEEL METRIC

GN 615.9-K

Code	Description	d1	d2 ▼	l	w	Spring preload [N]	Spring max load [N]	⚖
GN.33611	GN 615.9-M5-K	M 5	2	14	0.5	4.8	6.8	2
GN.33621	GN 615.9-M6-K	M 6	2.5	15	0.7	6.3	10	2
GN.33631	GN 615.9-M8-K	M 8	3.5	18	0.95	16	24	4
GN.33641	GN 615.9-M10-K	M 10	4.5	23	1.4	18.8	31.7	8
GN.33651	GN 615.9-M12-K	M 12	6.5	26	2.3	26	49	12
GN.33661	GN 615.9-M16-K	M 16	8.5	33	3.1	38	68	30

INOX STAINLESS STEEL

GN 615.9-KS

Code	Description	d1	d2 ▼	l	w	Spring preload [N]	Spring max load [N]	⚖
GN.33613	GN 615.9-M5-KN	M 5	2	14	0.5	4.8	6.8	2
GN.33623	GN 615.9-M6-KN	M 6	2.5	15	0.7	6.3	10	2
GN.33633	GN 615.9-M8-KN	M 8	3.5	18	0.95	16	24	4
GN.33643	GN 615.9-M10-KN	M 10	4.5	23	1.4	18.8	31.7	8
GN.33653	GN 615.9-M12-KN	M 12	6.5	26	2.3	26	49	12
GN.33663	GN 615.9-M16-KN	M 16	8.5	33	3.1	38	68	30

elesa 10/2025

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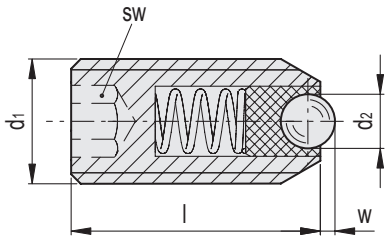
Conversion Table *1 mm = 0.039 inch*	
d2	
mm	inch
2	0.08
2.5	0.10
3.5	0.14
4.5	0.18
6.5	0.25
8.5	0.33



GN 615.9-KN

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	l	w	Spring preload [N]	Spring max load [N]	⚖
GN.33612	GN 615.9-M5-KS	M 5	2	14	0.5	4.8	6.8	2
GN.33622	GN 615.9-M6-KS	M 6	2.5	15	0.7	6.3	10	2
GN.33632	GN 615.9-M8-KS	M 8	3.5	18	0.95	16	24	4
GN.33642	GN 615.9-M10-KS	M 10	4.5	23	1.4	18.8	31.7	8
GN.33652	GN 615.9-M12-KS	M 12	6.5	26	2.3	26	49	12
GN.33662	GN 615.9-M16-KS	M 16	8.5	33	3.1	38	68	30

GN 615.9-KSN

INOX STAINLESS STEEL

Code	Description	d1	d2	l	w	Spring preload [N]	Spring max load [N]	⚖
GN.33614	GN 615.9-M5-KSN	M 5	2	14	0.5	4.8	6.8	2
GN.33624	GN 615.9-M6-KSN	M 6	2.5	15	0.7	6.3	10	2
GN.33634	GN 615.9-M8-KSN	M 8	3.5	18	0.95	16	24	4
GN.33644	GN 615.9-M10-KSN	M 10	4.5	23	1.4	18.8	31.7	8
GN.33654	GN 615.9-M12-KSN	M 12	6.5	26	2.3	26	49	12
GN.33664	GN 615.9-M16-KSN	M 16	8.5	33	3.1	38	68	31

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