

Stainless Steel Spring Plungers

without Thread, with Ball

SPECIFICATION

Types

- Type **NI**: Stainless steel, standard spring load
- Type **NIS**: Stainless steel, high spring load

Housing

Stainless steel AISI 303

Ball

Stainless steel AISI 420C

Hardened

Pressure spring

Stainless steel AISI 631

Identification of type NIS:

Housing with 2 longitudinal markings



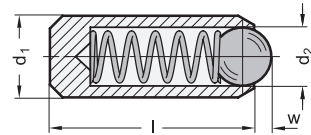
TECHNICAL INFORMATION

- ISO Fundamental Tolerances (see page A21)
- Stainless Steel Characteristics (see page A26)

INFORMATION

Stainless steel spring plungers GN 614.3 are used for locking as well as for pressure and hold-off functions.

For the mounting hole, tolerance d1 is recommended for joined fitting and d1 H9 for press fitting.



GN 614.3-NI

STAINLESS STEEL

Description	d1 ±0.04	d2	l	w	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 614.3-2-NI	2	1	3.5	0.3	0.8	1.5	1
GN 614.3-2.5-NI	2.5	1.5	5	0.4	2.8	4.7	2
GN 614.3-3-NI	3	2	7	0.65	4.5	7.5	3
GN 614.3-3.5-NI	3.5	2.5	9	0.8	6	14.5	4
GN 614.3-4-NI	4	3	11	0.9	8	14	5
GN 614.3-4.5-NI	4.5	3.2	12	0.95	9.5	16.5	6
GN 614.3-5-NI	5	3.5	13	1	11	18	7
GN 614.3-5.5-NI	5.5	4	14	1.2	15.5	25	8
GN 614.3-6-NI	6	4.5	15	1.5	18	31	10
GN 614.3-8-NI	8	6	18	2	24	45	12
GN 614.3-10-NI	10	8	20	2.5	26	49	14
GN 614.3-12-NI	12	10	22	3.5	41	86	16

GN 614.3-NIS

STAINLESS STEEL

Description	d1 ±0.04	d2	l	w	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 614.3-2-NIS	2	1	3.5	0.3	1.3	2.2	1
GN 614.3-2.5-NIS	2.5	1.5	5	0.4	4.7	7.1	2
GN 614.3-3-NIS	3	2	7	0.65	7.8	11.6	3
GN 614.3-3.5-NIS	3.5	2.5	9	0.8	12	18	4
GN 614.3-4-NIS	4	3	11	0.9	15	22	5
GN 614.3-4.5-NIS	4.5	3.2	12	0.95	18.7	25.1	6
GN 614.3-5-NIS	5	3.5	13	1	19.3	26.6	7
GN 614.3-5.5-NIS	5.5	4	14	1.2	25.1	39.2	8
GN 614.3-6-NIS	6	4.5	15	1.5	36	60.5	10
GN 614.3-8-NIS	8	6	18	2	57	103.5	12
GN 614.3-10-NIS	10	8	20	2.5	61	110	14
GN 614.3-12-NIS	12	10	22	3.5	68	143	16