

Spring Plungers

Steel / Stainless Steel, with Ball, with Collar, with Internal Hex

SPECIFICATION

Types

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

Version in Steel

Type ST / STS

- Housing
Steel, blackened
- Ball
Steel, hardened

Version in Stainless Steel

Type NI / NIS

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

Identification of type STS / NIS:

Housing with 2 longitudinal markings

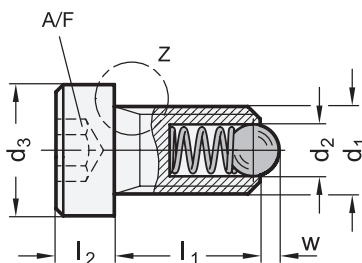
INFORMATION

Spring plungers GN 815.1 are used as stops as well as thrust elements or ejectors.

The collar gives a defined installation position.

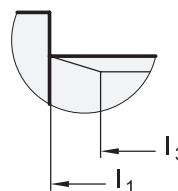
TECHNICAL INFORMATION

- Stainless Steel Characteristics (see page A26)

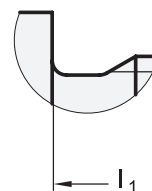


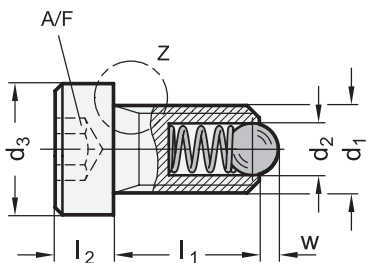
Detail Z; End of thread:

M4 / M5

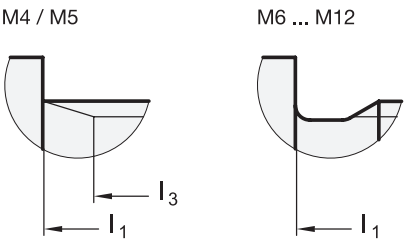


M6 ... M12





Detail Z; End of thread:



GN 815.1-ST

Description	d1	d2	d3	l1	l2	l3	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 815.1-M4-ST	M 4	2.5	6	9	3	7.5	0.8	2	8	14	1
GN 815.1-M5-ST	M 5	3	8	10	4	8.2	0.9	2.5	8	14	2
GN 815.1-M6-ST	M 6	3.5	10	10	5	-	1	3	11	18	4
GN 815.1-M8-ST	M 8	4.5	13	12.5	5.5	-	1.5	4	18	31	8
GN 815.1-M10-ST	M 10	6	16	17	6	-	2	5	24	45	14
GN 815.1-M12-ST	M 12	8	18	19	7	-	2.5	6	26	49	22

GN 815.1-STs

Description	d1	d2	d3	l1	l2	l3	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 815.1-M4-STs	M 4	2.5	6	9	3	7.5	0.8	2	12	18	1
GN 815.1-M5-STs	M 5	3	8	10	4	8.2	0.9	2.5	15	22	2
GN 815.1-M6-STs	M 6	3.5	10	10	5	-	1	3	19.3	26.6	4
GN 815.1-M8-STs	M 8	4.5	13	12.5	5.5	-	1.5	4	36	60.5	8
GN 815.1-M10-STs	M 10	6	16	17	6	-	2	5	57	103.5	14
GN 815.1-M12-STs	M 12	8	18	19	7	-	2.5	6	61	110	21

GN 815.1-NI

STAINLESS STEEL

Description	d1	d2	d3	l1	l2	l3	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 815.1-M4-NI	M 4	2.5	6	9	3	7.5	0.8	2	8	14	1
GN 815.1-M5-NI	M 5	3	8	10	4	8.2	0.9	2.5	8	14	2
GN 815.1-M6-NI	M 6	3.5	10	10	5	-	1	3	11	18	4
GN 815.1-M8-NI	M 8	4.5	13	12.5	5.5	-	1.5	4	18	31	8
GN 815.1-M10-NI	M 10	6	16	17	6	-	2	5	24	45	14
GN 815.1-M12-NI	M 12	8	18	19	7	-	2.5	6	26	49	21

GN 815.1-NIS

STAINLESS STEEL

Description	d1	d2	d3	l1	l2	l3	w	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 815.1-M4-NIS	M 4	2.5	6	9	3	7.5	0.8	2	12	18	1
GN 815.1-M5-NIS	M 5	3	8	10	4	8.2	0.9	2.5	15	22	2
GN 815.1-M6-NIS	M 6	3.5	10	10	5	-	1	3	19.3	26.6	4
GN 815.1-M8-NIS	M 8	4.5	13	12.5	5.5	-	1.5	4	36	60.5	8
GN 815.1-M10-NIS	M 10	6	16	17	6	-	2	5	57	103.5	14
GN 815.1-M12-NIS	M 12	8	18	19	7	-	2.5	6	61	110	22

