

Spring latches

SPECIFICATION

Types

- Type **S**: with locking, without rest position
- Type **L1**: Locking / Rest position via counterclockwise rotation
- Type **R1**: Locking / Rest position via clockwise rotation

Guide

Zinc die casting
plastic coated, RAL 9005, textured finish

Plunger pin

Steel
zinc plated, blue passivated

Spring

Stainless Steel AISI 301

Latch lever

Plastic, Technopolymer (Polyamide PA)

- black, matte
- not removable



INFORMATION

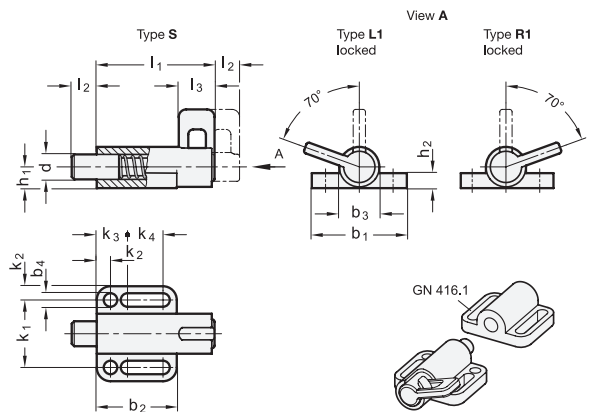
The plunger of spring latches GN 416 is operated by an axial pulling of the latch lever. This kind of operation from the top side is advantageous in certain installation situations.

The pins of Type S spring latches are engaged in the housing to prevent rotation, and therefore lock in the starting position but not the retracted position. Types R1 and L1 spring latches offer a locking function in the starting as well as in the retracted position, preventing an unintentional operation. A lock notch holds the latch lever in both positions.

The adjustment range is designed in such a way that ISO 7092 washers can be used within the adjustment slot in the housing.

TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel characteristics (see page A26)
- Plastic characteristics (see page A2)



GN 416

Description	d Pin -0.05 Bore +0.1/+0.05	b1	b2	b3	b4	h1	h2	k1	k2	k3	k4	l1	l2 min.	l3	Spring load in N ≈ initial	Spring load in N ≈ end	
GN 416-6-38-L1	6	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	67
GN 416-8-38-L1	8	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	69
GN 416-8-46-L1	8	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	130
GN 416-10-38-L1	10	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	72
GN 416-10-46-L1	10	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	132
GN 416-12-46-L1	12	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	136
GN 416-6-38-S	6	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	68
GN 416-8-38-S	8	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	69
GN 416-8-46-S	8	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	140
GN 416-10-38-S	10	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	70
GN 416-10-46-S	10	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	132
GN 416-12-46-S	12	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	135
GN 416-6-38-R1	6	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	66
GN 416-8-38-R1	8	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	69
GN 416-8-46-R1	8	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	120
GN 416-10-38-R1	10	38	32	16	5.4	8.5	6	27	5.5	12	14.5	47	10	14	21	27	71
GN 416-10-46-R1	10	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	150
GN 416-12-46-R1	12	46	40	20	6.4	11	6	33	6.5	14.5	19	59	12	17	25	38	135