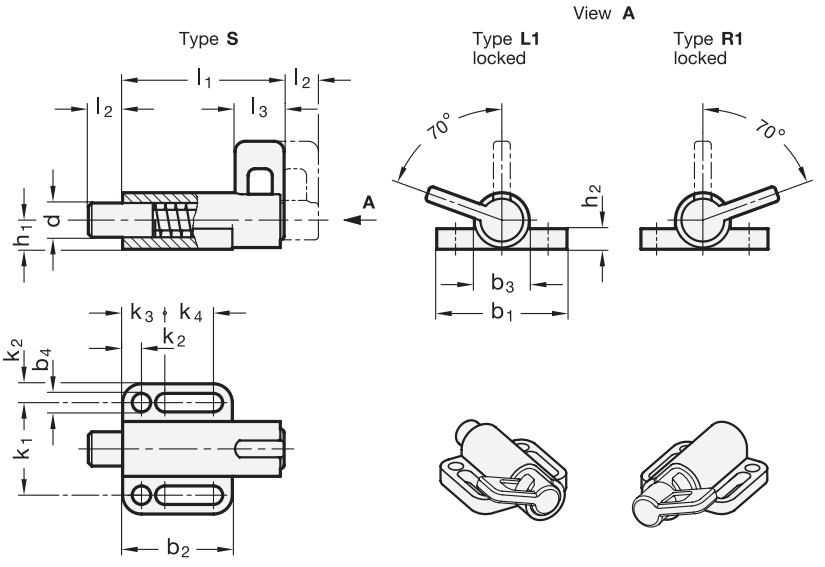
GN 416 Spring latches

with flange for surface mounting



3 Type

S without locking without rest position

L1 Locking / Rest position via counterclockwise rotation

R1 Locking / Rest position via clockwise rotation

1 d Plunger -0,05 Bore +0,1 +0,05	2 b_1	b_2	b_3	b_4 −0,2	h_1	h_2	k_1 ±0,05	k_2	k_3	k_4	l_1	l_2 min.	l_3	Spring load in N ≈ initial	Spring load in N ≈ end
6	38	32	16	5,4	8,5	6	27	5,5	12	14,5	47	10	14	21	27
8	38	32	16	5,4	8,5	6	27	5,5	12	14,5	47	10	14	21	27
8	46	40	20	6,4	11	6	33	6,5	14,5	19	59	12	17	25	38
10	38	32	16	5,4	8,5	6	27	5,5	12	14,5	47	10	14	21	27
10	46	40	20	6,4	11	6	33	6,5	14,5	19	59	12	17	25	38
12	46	40	20	6,4	11	6	33	6,5	14,5	19	59	12	17	25	38

Specification

- Housing
  Zinc die casting
  plastic coated, RAL 9005, textured finish
- Plunger
  Steel
  zinc plated, blue passivated
- Spring
  Stainless Steel AISI 301
- Latch lever
  Plastic, Technopolymer (Polyamide PA)
  - black, matte
  - not removable
- *ISO-Fundamental Tolerances*
  → Main catalogue Page 1132
- *Stainless Steel characteristics*
  → Main catalogue Page 1144
- *Plastic characteristics*
  → Main catalogue Page 1142
- RoHS compliant

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.

see also...

- *Positioning bushings GN 412.2 → Main catalogue page 454*
- *Indexing plungers GN 417 → Main catalogue page 438 / 439*

How to order

1 2 3

GN 416-8-46-L1

1	d
2	b_1
3	Type