



- 3 Type**
- A1** Cylinder, horizontal
 - A2** Cylinder, vertical
 - B1** Wedge, up
 - B2** Wedge, down
 - B3** Wedge, right
 - B4** Wedge, left

- 5 Identification no.**
- 1** Standard spring load
 - 2** High spring load

Metric table

Dimensions in: millimeters - inches

b ₁	b ₂	d	h ₁ +0.5	h ₂	k	l ₁	l ₂ ≈	l ₃	l ₄ ≈	m ₁	m ₂	m ₃	m ₄	r	s	Spring load F ≈			
																Standard (Id. no. 1)		High (Id. no. 2)	
																Initial	End	Initial	End
22	7	3.3	1	6	4	16.5	2.8	4.8	2.4	14	4	8	4.5	6.25	10	8 N	11 N	11 N	20 N
0.87	0.28	0.13	0.04	0.24	0.16	0.65	0.11	0.19	0.09	0.55	0.16	0.31	0.18	0.25	0.39	1.80 lbf	2.47 lbf	2.47 lbf	4.50 lbf
32	10	5.4	1	9	5	27.5	5	7	3.1	21	5.5	12	10	10	16	8 N	19 N	19 N	45 N
1.26	0.39	0.21	0.04	0.35	0.20	1.08	0.20	0.28	0.12	0.83	0.22	0.47	0.39	0.39	0.63	1.80 lbf	4.27 lbf	4.27 lbf	10.12 lbf
39	14.5	6.5	1	12	6	35	8.2	10	4.7	27	6.5	15	13.5	13.75	22	17 N	33 N	27 N	75 N
1.54	0.57	0.26	0.04	0.47	0.24	1.38	0.32	0.39	0.19	1.06	0.26	0.59	0.53	0.54	0.87	3.82 lbf	7.42 lbf	6.07 lbf	16.86 lbf

Specification

- Housing
Zinc die-cast **ZD**
Powder coated
Black, RAL 9005, textured finish
- Thrust pin
- Plastic, smooth **KG**
 Technopolymer POM, black
- Stainless steel AISI 630, smooth **NG**
 Metal injection molded
- Stainless steel AISI 630, serrated **NR**
 Metal injection molded
- Spring
Stainless steel AISI 301
- Screw
- Steel, zinc nickel coated (Version KG)
- Stainless steel A2 (Version NG / NR)
- *Plastic Characteristics* → page 2135
- *Stainless Steel Characteristics* → page 2143
- RoHS compliant

Information

GN 415 side thrust pins have a compact design and offer maximum flexibility when tensioning and holding parts. A variety of thrust pin designs as well as two different spring forces are available.

Depending on the installation position, these side thrust pins offer a pull-down effect operating within height h₂. They are fastened by means of bores or slotted holes.

The side thrust pins are delivered fully assembled. If necessary, the installation position of the thrust pin slide can be rotated by 4x90° according to the sketch. When installing version KG, the shaped thread in the plastic slide should be reused and the tightening torque limited.

see also...

- *Holding Blocks GN 614.1* → page 1051
- *Side Thrust Pins GN 713* → www.jwwinco.com
- *Press-Fit Side Thrust Pins GN 715* → page 1052

How to order	
1	Material
2	Width b ₁
3	Type
4	Version
5	Identification no.

1 2 3 4 5
GN 415-ZD-32-A1-NG-1