



Metric table

Dimensions in: millimeters - inches

d ₁ Pin -0.02 Bore H7	l ₁	b ₁	b ₂	d ₂ -0.02 -0.1	d ₃	d ₄	d ₅	k	l ₂	l ₃ -0.15	l ₄	l ₅ Stroke	Spring load ≈		Axial load
													Initial	End	
6 0.24	6 0.24	40 1.57	18 0.71	10 0.39	25 0.98	4.3 0.17	8.3 0.33	30 1.18	37 1.46	2.5 0.10	4.5 0.18	6 0.24	9 N 2.02 lbf	25 N 5.62 lbf	400 N 89.92 lbf
6 0.24	14 0.55	40 1.57	18 0.71	10 0.39	25 0.98	4.3 0.17	8.3 0.33	30 1.18	45 1.77	2.5 0.10	4.5 0.18	6 0.24	9 N 2.02 lbf	25 N 5.62 lbf	400 N 89.92 lbf
8 0.31	8 0.31	46 1.81	20 0.79	12 0.47	31 1.22	5.3 0.21	10.4 0.41	34 1.34	44 1.73	2.5 0.10	5.5 0.22	8 0.31	13 N 2.92 lbf	26 N 5.85 lbf	500 N 112 lbf
8 0.31	18 0.71	46 1.81	20 0.79	12 0.47	31 1.22	5.3 0.21	10.4 0.41	34 1.34	54 2.13	2.5 0.10	5.5 0.22	8 0.31	13 N 2.92 lbf	26 N 5.85 lbf	500 N 112 lbf

Specification

- Mounting plate
Zinc die-cast
Zinc plated, blue passivated finish
- Knob
Plastic
Technopolymer (Polyamide PA)
- Temperature resistant up to 230 °F (110 °C)
- Black, matte finish
- Not removable
- **GN 608.1**
- Plunger pin
Steel, hardened
- Single components
Steel
- **GN 608.6**
- Plunger pin
Stainless steel AISI 303
Chemically nickel plated
- Single components
Stainless steel
- Load Rating Information → page 2103
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Information

- GN 608.1 and GN 608.6 indexing plungers are used in applications that require surface mounting, and the plunger pin needs to stay in its retracted position.
- To achieve this, the knob is rotated by 90 degrees after being retracted. A notch keeps the plunger in the retracted position.
- These series have been expanded with additional plunger pin lengths to widen the application opportunities. Please note that for these longer pin lengths (d₁ = 6 mm, l₁ = 14 mm / d₁ = 8 mm, l₁ = 18 mm), the pin does not fully retract.
- see also...
- List of Indexing Plunger Types → page 915
 - Locating Bushings GN 412.2 / GN 412.4 → page 996
 - Locating Bushings with Tapered Flange GN 412.3 / GN 412.5 → page 997
 - Indexing Plungers GN 817.1 (Lock-Out / Non Lock-Out) → page 947
 - Mini Indexing Plungers GN 822.8 (Lock-Out / Non Lock-Out) → page 972

How to order (Steel plunger pin) GN 608.1-8-8	1 Pin diameter d ₁
	2 Length l ₁
How to order (Stainless steel plunger pin) GN 608.6-6-14	1 Pin diameter d ₁
	2 Length l ₁

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10