



- 2 Type**
- I Tapped type
 - K Pointed nose
 - H Semi-spherical
 - P Prism (120°)

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

Metric table



Dimensions in: millimeters - inches

d ₁ Thread	d ₂	d ₃ Thread	d ₄	e	l ₁	l ₂	l ₃	l ₄	r	s ₁	s ₂	s ₃	t min.	Spring load ≈ (Identification no. 1)		Spring load ≈ (Identification no. 2)	
														Initial	End	Initial	End
M 12 x 1.5	9 0.35	M 4	7.6 0.30	6.5 0.26	28 1.10	19 0.75	3 0.12	6 0.24	4.5 0.18	6 0.24	8 0.31	4 0.16	8 0.31	16 N 3.60 lbf	35 N 7.87 lbf	18 N 4.05 lbf	56 N 12.59 lbf
M 16 x 1.5	12 0.47	M 5	8.8 0.35	7.8 0.31	38 1.50	27 1.06	3 0.12	8 0.31	6 0.24	7 0.28	10 0.39	6 0.24	10 0.39	25 N 5.62 lbf	71 N 15.96 lbf	45 N 10.12 lbf	125 N 28.10 lbf
M 20 x 1.5	14.5 0.57	M 6	11.4 0.45	10 0.39	47 1.85	33 1.30	4 0.16	10 0.39	7.2 0.28	9 0.35	12 0.47	8 0.31	12 0.47	40 N 8.99 lbf	130 N 29.23 lbf	65 N 14.61 lbf	200 N 44.96 lbf

Specification

- Threaded body
Steel, zinc plated, blue passivated finish
- Nose pin
Steel
 - Case-hardened
 - Blackened finish
- Spring identification
 - Standard spring load (Identification no. 1):
circlip phosphated (anthracite)
 - High spring load (Identification no. 2):
circlip zinc plated, blue passivated finish
- RoHS compliant

Information

GN 513 spring loaded positioning elements are universal pressure elements used as detents, positioners or for clamping with spring pressure. The spring loaded nose pin can be used for a push-on or push-off operation. In addition the spring loaded nose pin cannot rotate.

At the retracting end (Type I), the tapped thread can accept a threaded rod, an operating knob, or any other mating threaded element to pull back on the pin. The opposite tapped threaded end can accept a special type or special length of plunger nose pin.

The spring loaded element can be screwed into a mating thread at the hex of the retracting end or the wrench flats at the opposite end of the plunger.

<p>How to order</p> <p>GN 513-M12x1.5-H-2</p>	1	Thread d ₁
	2	Type
	3	Identification no.