



**SS** Stainless Steel

**3 Type**

- A** Square, latch with rivet, not removable
- AU** Square, latch with screw, removable
- R** Round, latch with rivet, not removable
- RU** Round, latch with screw, removable

**Metric table**

Dimensions in: millimeters - inches

<b>1</b> $d_1$ Type A / AU Pin $-0.05$ Bore $+0.1$ $+0.3$	<b>1</b> $d_1$ Type R / RU Pin $-0.05$ Bore $+0.2$ $+0.4$	<b>2</b> $s$ Type A / AU	<b>2</b> $d_2$ Type R / RU	$l_1 \approx$	$l_2$	$l_3$	$l_4$	<b>A/F</b> Type AU / RU	Spring load $\approx$	
									Initial	End
8 0.31	8 0.31	20 0.79	20 0.79	54 2.13	14 0.55	35 1.38	37 1.46	2.5	14 N 3.15 lbf	35 N 7.87 lbf
10 0.39	10 0.39	20 0.79	20 0.79	54 2.13	14 0.55	35 1.38	37 1.46	2.5	14 N 3.15 lbf	35 N 7.87 lbf
12 0.47	12 0.47	20 0.79	20 0.79	54 2.13	14 0.55	35 1.38	37 1.46	2.5	14 N 3.15 lbf	35 N 7.87 lbf
14 0.55	14 0.55	20 0.79	20 0.79	54 2.13	14 0.55	35 1.38	37 1.46	2.5	14 N 3.15 lbf	35 N 7.87 lbf
16 0.63	16 0.63	30 1.18	30 1.18	83 3.27	20 0.79	54 2.13	55 2.17	4	22 N 4.95 lbf	70 N 15.74 lbf
20 0.79	20 0.79	30 1.18	30 1.18	83 3.27	20 0.79	54 2.13	55 2.17	4	22 N 4.95 lbf	70 N 15.74 lbf

**Specification**

- Body
  - Steel precision casting **ST**  
Blackened finish, weldable
  - Stainless steel **A4**  
precision casting AISI 316  
Weldable
- Lever arm
  - Steel precision casting  
Zinc plated, blue passivated finish (for ST)
  - Stainless steel  
precision casting AISI 316 (for A4)
- Latch pin
  - Steel  
Zinc plated, blue passivated finish (for ST)
  - Stainless steel AISI 316 (for A4)
- Spring  
Stainless steel AISI 316Ti
- Countersunk screw (Type AU)
  - Steel, zinc plated (for ST)
  - Stainless steel A4 (for A4)
- Load Rating Information → page 2103
- Stainless Steel Characteristics → page 2143
- RoHS compliant

**Information**

With GN 722.1 cam action spring latches, the latch pin is withdrawn over the cam of the body by rotating the lever arm 180°. If the latch pin may need to be retracted periodically, the notch allows for safe positioning while the latch pin is held in the retracted position. The **ST** version is designed for applications in steel construction, whereas the stainless steel version **A4** is suitable for use in particularly aggressive environments.

The dimensional tolerances between latch pin and body are selected so that the functional reliability is guaranteed even after welding, applying a corrosion protection layer, or in case of contamination.

The unassembled type AU is recommended to avoid changing the microstructure of the spring and plunger during the welding process. After welding, the indexing plunger is then assembled.

see also...

- List of Cam Action Indexing Plunger Types → page 1001
- Locating Bushings GN 412.2 / GN 412.4 → page 996

How to order	1 Pin diameter $d_1$
<b>GN 722.1-16-30-AU-ST</b>	2 Square $s$ / Diameter $d_2$
	3 Type
	4 Material

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10