



Metric



SS Stainless Steel

3 Type

- C1** Chamfer, top
- C2** Chamfer, bottom
- C3** Chamfer, right
- C4** Chamfer, left
- CU** Unassembled

Assembly instruction
Type CU

Types



Metric table

b	s	a	d ₁	d ₂	l ₁ ≈	l ₂	l ₃	l ₄	l ₅	Spring load ≈	
										Initial	End
13 0.51	20 0.79	6.5 0.26	34 1.34	6 0.24	68 2.68	10 0.39	35 1.38	1 0.04	41.5 1.63	14 N 3.15 lbf	35 N 7.87 lbf
20 0.79	30 1.18	10 0.39	48 1.89	9 0.35	102 4.02	15 0.59	54 2.13	1.5 0.06	60 2.36	22 N 4.95 lbf	70 N 15.74 lbf

Dimensions in: millimeters / inches

Specification

Guide

- Steel precision casting **ST**
- Weldable, blackened finish
- Stainless steel precision casting AISI CF-8 **NI**
- Weldable

Pull ring

- Steel precision casting
- Zinc plated, blue passivated finish (for ST)
- Stainless steel precision casting AISI CF-8 (for NI)

Plunger pin

- Steel, hardened
- Zinc plated, blue passivated finish (for ST)
- Stainless steel AISI 431, hardened (for NI)

Socket button head screw DIN 7985

- Steel, zinc plated (for ST)
- Stainless steel AISI 304 (for NI)

Compression spring

Stainless steel AISI 316Ti

RoHS

Technical Information

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List of Indexing Plunger Types	QVX
Stainless Steel Characteristics	QVX

Indexing plungers GN 724.4 have a plunger pin with square cross-section, a latching surface on one side and a chamfer on the other. When the object to be secured moves towards the chamfer, the plunger pin is pushed back into the guide, allowing grooves and edges to pass over the pin. The plunger pin engages automatically in the direction of the latching surface.

The latching can be released by pulling the pull ring by hand or with a cable or pull rod using a hook. The types with lock-out are used when the plunger pin should temporarily not protrude. For this purpose, the pull ring is turned sideways after the plunger pin has been retracted. The ring is held in this position by the catch recess at the top of the guide.

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

For fastening by welding, the unassembled type CU is particularly recommended to avoid changes to the microstructure of the material due to heating of the spring and plunger pin. In this case, the indexing plunger is assembled only after the surface treatment of the welded guide.

How to order

GN 724.4-13-20-C3-ST

- 1** Pin diameter b
- 2** Square s
- 3** Type
- 4** Material

