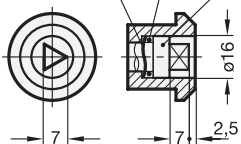


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Steel

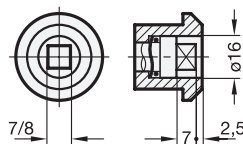
1 **Type**

- SG** Operation with star knob
- DK** Operation with triangular spindle (DK7)
- VK7** Operation with square spindle A/F7
- VK8** Operation with square spindle A/F8
- VDE** Operation with double bit

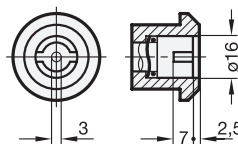
Corrugated spring washer O-ring Operating spindle



Type **DK**



Type **VK7/VK8**



Type **VDE**

2

Clamping range **A1...A9** (Door + frame thickness)

A 1 (l = 28)	A 2 (l = 33)	A 3 (l = 38)	A 4 (l = 43)	A 5 (l = 48)	A 6 (l = 53)	A 7 (l = 58)	A 8 (l = 63)	A 9 (l = 68)
17 - 25	22 - 30	27 - 35	32 - 40	37 - 45	42 - 50	47 - 55	52 - 60	57 - 65

Specification

- Stainless Steel AISI 303 (Cam latch AISI 304)
- Stainless Steel-Star knob GN 5334 AISI 304
- Protection class IP 65
- *Stainless Steel characteristics* → Page 1144
- **RoHS compliant**

Accessory

- GN 119.2 Keys → Page 870
- GN 120 Protective caps → Page 868
- GN 120.1 Opening handles → Page 869

3

Information

Stainless Steel-Latches GN 119 have a pulling-in range of 10 mm. Locking is achieved by turning the latch clockwise.

The operating spindle is provided with an o-ring.

see also...

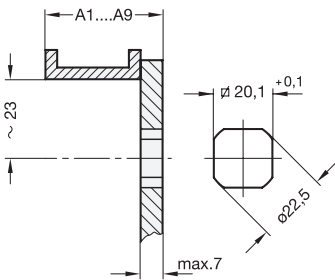
- *IP Protection classes* → Page 1137
- *Latches GN 119 (Steel zinc plated)* → Page 848
- *Sheet metal punches GN 123* → Page 876
- *Opening handles GN 320* → Page 869

How to order
GN 119-SG-A3-NI

1	Type
2	Clamping range A
3	Material



2.1
2.2
2.3
2.4
2.5



Construction and assembly instructions

By turning the Stainless Steel-Latch clockwise the stepped cam latch moves up behind the door frame and pulls the door in.

The large pulling-in range of the cam (10 mm) allows these locks to be used successfully on doors with sealing strips. When selecting clamping range 'A' the thickness of the door seal might have to be taken into consideration.

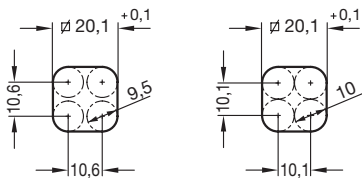
To fit the lock, the door will have to be provided with a hole as per sketch shown at a distance from the door frame to hole center of 23 mm.

The lock housing with the operating spindle is fitted into the hole from the front and held in position with the hexagon nut. The distance piece and the cam latch are then fitted at the rear and fixed with the hexagon nut.

In volume production, the **mounting borehole** in the door leaf is usually made by punching or laser machining.

For small series and steel sheets below 2 mm thickness, the sheet metal punches GN 123 are the tool of choice → Page 876.

The assembly borehole can also be set by drilling / milling as shown in the outline drawing opposite.



2.6
2.7
2.8
2.9