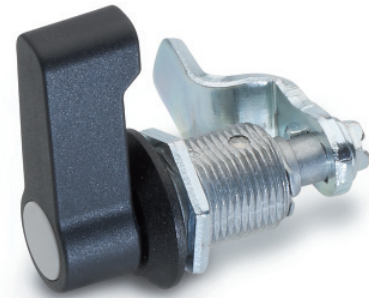


GN 516

Rotary clamping latches

RoHS

- **Lock housing**
Zinc alloy die-cast.
- **Locating ring**
Zinc alloy die-cast, epoxy resin coating RAL 9005 black matte finish.
- **Latch**
Zinc-plated steel, blue passivated.
- **Knob, Wrench, Lever**
Polyamide based (PA) technopolymer, black colour, matte finish.
- **Cover cap**
Polyamide based (PA) technopolymer, light grey colour, matte finish.
- **Standard versions available**
 - Type **DK**: operation with triangular spindle (DK7).
 - Type **VK7**: operation with square spindle A/F7.
 - Type **VK8**: operation with square spindle A/F8.
 - Type **VDE**: operation with double bit.
 - Type **RG**: operation with knurled knob GN 7336.
 - Type **KG**: operation with wrench.
 - Type **HG**: operation with lever.
- **Accessories on request**
Key GN 119.2 (see page 628).



13

620

Latches

Features and applications

The rotary clamping latches GN 516 have a closing mechanism which translates the rotary movement of the operating element (key) into a 90° turn and then into a 6mm linear stroke.

This mechanism is designed for common applications such as making a tight and vibration-proof interlock in the end position (retaining position) in connection with an elastic element (door / casing seal).

22 latches with different cranks will cover latch spacings (retaining zones) of between 17 and 63 mm. If the measured retaining position lies between two latch spacings A, the next smaller value must be selected. The rotary clamping latches GN 516 are supplied with the latch enclosed loose.

Assembly instructions

1. Latch in starting position.
2. The first 90° turn of the actuator / key moves the latch into the usual locking position.
3. Turning the actuator further by another 90° will lift the latch in linear direction by 6 mm, pulling the door leaf against the frame or the seal and generating a vibration-proof lock.

Max. torque: 4,5 Nm

Max. axial force: 340 N

Max. static load 340 N

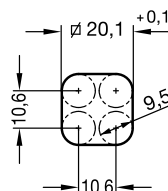
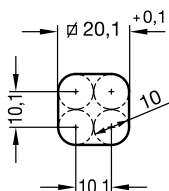
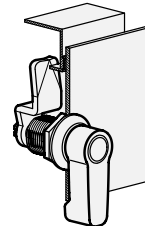
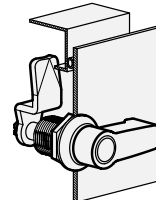
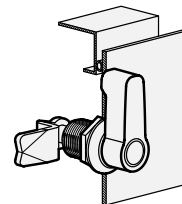
Installation instruction

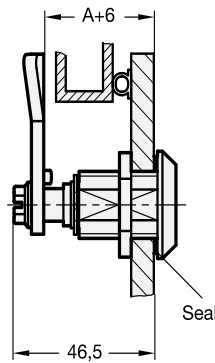
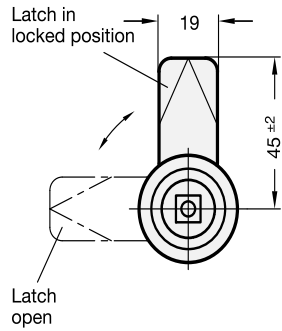
For installation, set a bore diameter in the door as shown in the outline drawing. Once assembled, the rotary clamping latch is pushed through the bore diameter from the front. The hexagonal nut can then be pushed over the latch from the back and bolted in place.

The installation bore diameter in the door leaf is usually generated by punching or laser application in series production.

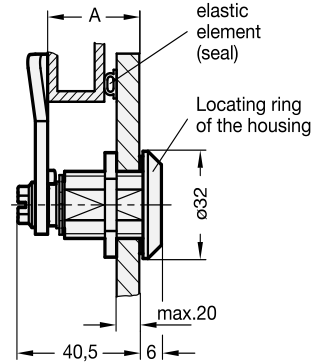
For small series and steel sheets below 2 mm thickness, the sheet metal punches GN 123 are the tool of choice (see catalogue 038, page 881).

The installation bore diameter can also be set by drilling / milling.

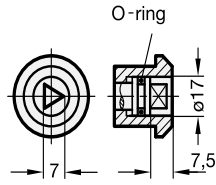




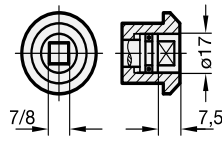
Latch distance after 90° rotation (clockwise)



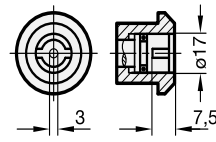
Latch distance after 180° rotation (clamping position)



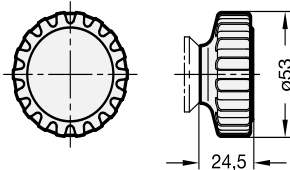
Type DK



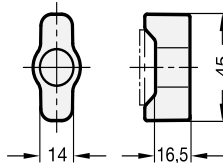
Type VK7/VK8



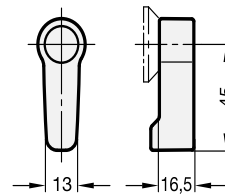
Type VDE



Type RG



Type KG



Type HG

Standard Elements	Main dimension	Δ / Δ
Description	A	g #
GN 516-*.17	17	140
GN 516-*.19	19	140
GN 516-*.21	21	140
GN 516-*.23	23	140
GN 516-*.26	26	140
GN 516-*.27	27	140
GN 516-*.29	29	140
GN 516-*.31	31	140
GN 516-*.33	33	140
GN 516-*.35	35	140
GN 516-*.37	37	140
GN 516-*.39	39	140
GN 516-*.41	41	140
GN 516-*.43	43	140
GN 516-*.45	45	140
GN 516-*.47	47	140
GN 516-*.49	49	140
GN 516-*.51	51	140
GN 516-*.53	53	140
GN 516-*.55	55	140
GN 516-*.58	58	140
GN 516-*.63	63	140

* Complete the description of the standard item needed by adding DK (triangular spindle), VK7 (square spindle A/F7), VK8 (square spindle A/F8), VDE (double bit), RG (knurled knob, KG (wrench) or HG (lever).
Weight type RG.