



1 Type
SG With star knob

2

Door thickness T1 ... T7

T 1	T 2	T 3	T 4	T 5	T 6	T 7
1,5 - 3	3 - 4,5	4,5 - 6	6 - 7,5	7,5 - 9	9 - 10,5	10,5 - 12

3

Door frame thickness Z1 ... Z15

Z 1	Z 2	Z 3	Z 4	Z 5	Z 6	Z 7	Z 8	Z 9	Z 10	Z 11	Z 12	Z 13	Z 14	Z 15
0 - 9	3 - 12	6 - 15	9 - 18	12 - 21	15 - 24	18 - 27	21 - 30	24 - 33	27 - 36	30 - 39	33 - 42	36 - 45	39 - 48	42 - 51

Max. bolt length l_{max.} for T + Z

T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z	T + Z
≤ 13,5	≤ 18	≤ 22,5	≤ 27	≤ 31,5	≤ 36	≤ 40,5	≤ 45	≤ 49,5	≤ 54	≤ 58,5	≤ 63	≤ 67
31	35,5	40	44,5	49	53,5	58	62,5	67	71,5	76	80,5	85

Specification

- Star knob DIN 6336
Plastic (Polyamide PA)
Black, matte finish
- Cam latch
Sheet steel
Zinc plated, blue passivated
- Operating bolt / Distance piece
Steel
Zinc plated, blue passivated
- Other parts
Steel, zinc plated, blue passivated
or stainless steel
- *Plastic Characteristics* → Page 2158
- RoHS

Information

Latches GN 117 lock by a turning operation clockwise (right), which moves the cam latch into the locked position behind the door frame. The latches are vibration proof and have a pulling-in range of 10 mm. Attention is drawn to its simple and hence cost saving installation.

The various operating bolts and distance pieces allow for a door thickness T1...T7 from 1,5 to 12 mm and a frame thickness Z1...Z15 from 0 to 51 mm.

see also...

- *List of Latch Types* → Page 1196 ff.
- *Latches GN 119* → Page 1240
- *Rotary Clamping Latches GN 516* → Page XYZ

How to order
GN 117-SG-T2-Z5

1	Type
2	Door thickness T
3	Door frame thickness Z



3.1

3.2

3.3

3.4

3.5

Construction and assembly instructions

3.6

By turning the latch clockwise (right), the spring-loaded, stepped cam latch moves up behind the door frame and pulls the door closed.

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

3.7

The two disk springs placed axially on the cam latch generate the necessary preload, thus preventing the latch from opening by itself in case of vibrations.

For installation, the door is fitted with a single hole as shown in the outline drawing.

3.8

The operating bolt of the latch is inserted into the hole from the front. The distance piece, cam latch and disk springs are then pushed one after the other onto the operating bolt from the back side.

The self-locking nut is then tightened just enough to still allow free movement of the latch.

3.9

