

Hook-Type Latches

Zinc Die Casting, with Operating Element,
Not Lockable

SPECIFICATION

Types

- Type **SG**: With star knob
- Type **SK**: With wing knob
- Type **ST**: With T-handle
- Type **RG**: With knurled knob GN 7336
- Type **KG**: With wing knob
- Type **HG**: With lever

Version of the hook

- **H1**: Pivoting radius $R=28$

Identification no.

- No. **1**: Without latch bracket
- No. **2**: With latch bracket

Lock housing

Zinc die casting

Housing collar

- Chrome plated **CR**
- Powder coated
Black, RAL 9005, textured finish **SW**

Operating element

Plastic, Polyamide (PA)

Black, matte finish

Other parts

Steel

Zinc plated, blue passivated

Cover cap for type RG / KG / HG

Plastic

Light gray, matte finish

Protection class IP 65



INFORMATION

Hook-type latches GN 115.8-WOE-NL-ZD with hook and catch are mainly used for sliding doors and flaps. The locking action is in radial direction to the axis of rotation, resulting in a wide variety of different uses.

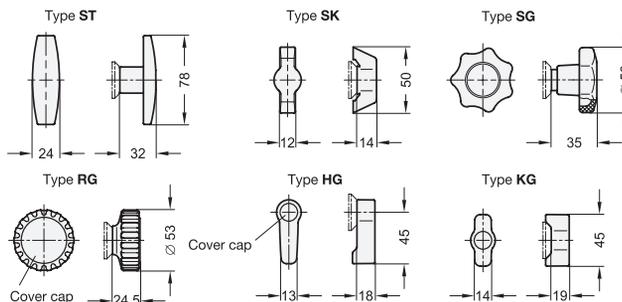
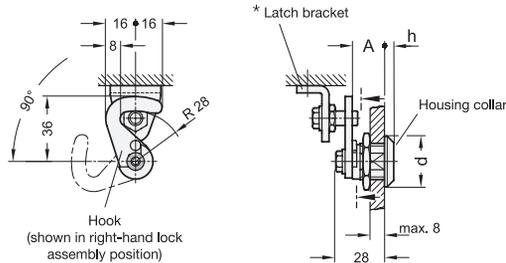
The hook-type latches GN 115.8-WOE-NL-ZD are supplied with loosely enclosed hook.

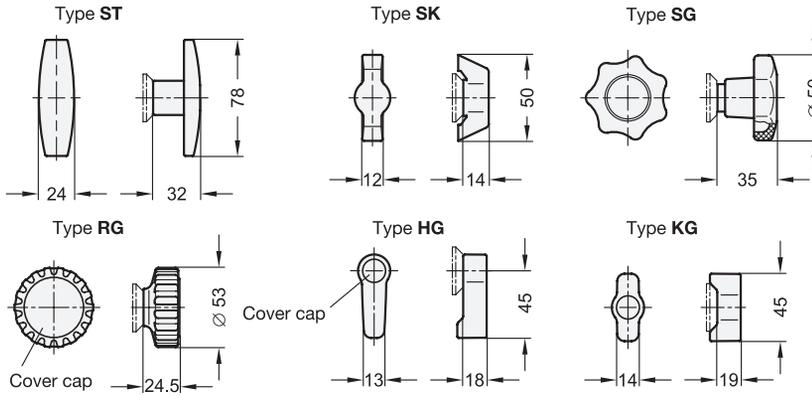
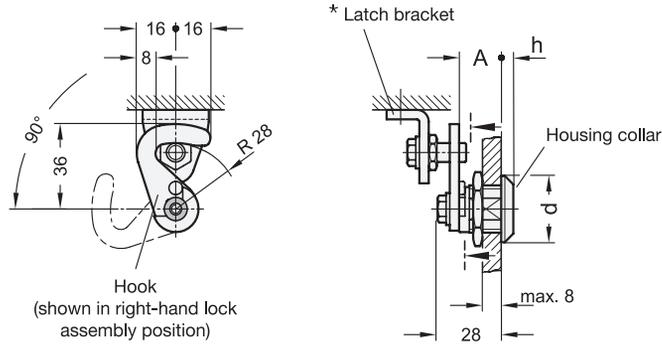
ON REQUEST

- Hook-type latches with other hook distance A
- Hook with other pivoting radius R

TECHNICAL INFORMATION

- Construction and assembly instructions (see page)
- Overview Latch Types (see page 1456)
- IP Protection Classes (see page A23)
- Plastic Characteristics (see page A2)





GN 115.8-WOE-NL-ZD-SG

Description	Hook distance A	d	h	Δ
GN 115.8-SG-18-H1-CR-1	18	28	4	111
GN 115.8-SG-18-H1-CR-2	18	28	4	151
GN 115.8-SG-18-H1-SW-1	18	28	4	111
GN 115.8-SG-18-H1-SW-2	18	28	4	151

GN 115.8-WOE-NL-ZD-RG

Description	Hook distance A	d	h	Δ
GN 115.8-RG-18-H1-CR-1	18	28	4	109
GN 115.8-RG-18-H1-CR-2	18	28	4	149
GN 115.8-RG-18-H1-SW-1	18	28	4	109
GN 115.8-RG-18-H1-SW-2	18	28	4	149

GN 115.8-WOE-NL-ZD-SK

Description	Hook distance A	d	h	Δ
GN 115.8-SK-18-H1-CR-1	18	32	6	100
GN 115.8-SK-18-H1-CR-2	18	32	6	140
GN 115.8-SK-18-H1-SW-1	18	32	6	100
GN 115.8-SK-18-H1-SW-2	18	32	6	140

GN 115.8-WOE-NL-ZD-KG

Description	Hook distance A	d	h	Δ
GN 115.8-KG-18-H1-CR-1	18	28	4	85
GN 115.8-KG-18-H1-CR-2	18	28	4	126
GN 115.8-KG-18-H1-SW-1	18	28	4	85
GN 115.8-KG-18-H1-SW-2	18	28	4	126

GN 115.8-WOE-NL-ZD-ST

Description	Hook distance A	d	h	Δ
GN 115.8-ST-18-H1-CR-1	18	32	6	134
GN 115.8-ST-18-H1-CR-2	18	32	6	136
GN 115.8-ST-18-H1-SW-1	18	32	6	134
GN 115.8-ST-18-H1-SW-2	18	32	6	136

GN 115.8-WOE-NL-ZD-HG

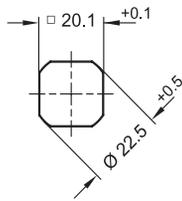
Description	Hook distance A	d	h	Δ
GN 115.8-HG-18-H1-CR-1	18	28	4	87
GN 115.8-HG-18-H1-CR-2	18	28	4	128
GN 115.8-HG-18-H1-SW-1	18	28	4	87
GN 115.8-HG-18-H1-SW-2	18	28	4	128

* Dimensions of the latch bracket

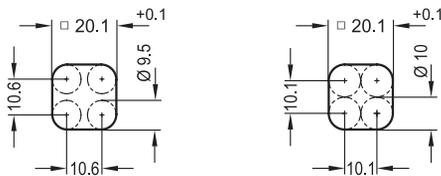
* Dimensions of the latch bracket



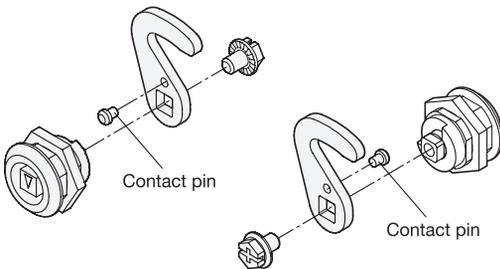
Installation hole for punching or laser machining



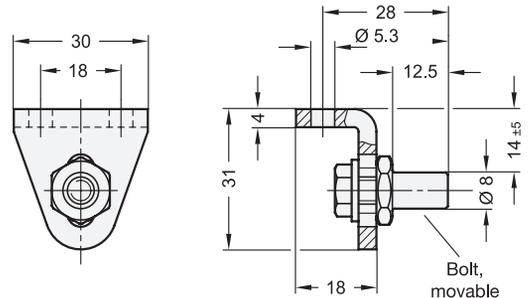
Installation hole for drilling or milling



Assembly latch and hook



Dimensions of the latch bracket



Construction and assembly instructions

For installation, set a hole in the door, cover or hatch as shown in the outline drawing.

The required installation bore in the door leaf, is usually generated by punching or laser machining in series production.

The installation bore diameter can also be created by drilling or milling as shown in the outline drawings.

For small series and steel sheets below 2 mm thickness, the sheet metal punch GN 123 (see page 1493) are the tool of choice.

The hook can only be attached to the latch after installing the lock housing in the door leaf.

The bolt of the latch bracket can be shifted vertically within a slot by ± 5 mm, making it easier to adjust the latch during installation.

Ideally, the bolt should be in the plane of the rotational axis when locked, as shown. A sideways offset of as much as 4 mm does not impair the proper function.

The angle of rotation of the hook is normally limited to 90°.

Depending on the mounting of the contact pin supplied loose, the locking action is effected by turning left or right.

Without the contact pin, the hook can be rotated by 360°.