

TYPE

Type **SW**: With two spanner flats

Coding

- Type **FH**: Operating side in Hygienic Design (front hygiene)
- Type **VH**: Operating and latch arm side in Hygienic Design (full hygiene)

Lock housing

AISI 316L stainless steel

Latch arm

Stainless steel

- AISI 304 for d1 = 22 (front hygiene)
- AISI 316L for d1 = 30 (front hygiene)
- AISI 316 (full hygiene)

Seals (full hygiene)

Blue, FDA compliant

Temperature resistant -40 °C to +110 °C

Packing ring / O-ring

EPDM **E**

- Blue, FDA compliant (front hygiene)
- Temperature resistant -40 °C to +120 °C
- Hardness 85 ±5 Shore A (Packing ring)
- Hardness 70 ±5 Shore A (O-ring)
- Other Seals / Wiper (full hygiene) TPU, Hardness 95 ±5 Shore A

Other parts

AISI 316L stainless steel

All moving parts lubricated with FDA compliant special grease

Protection class IP 66

FEATURES AND APPLICATIONS

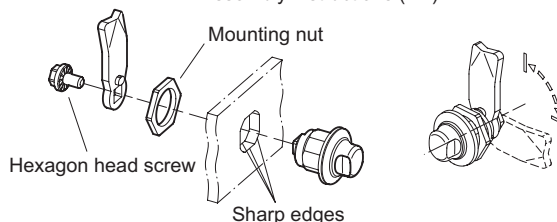
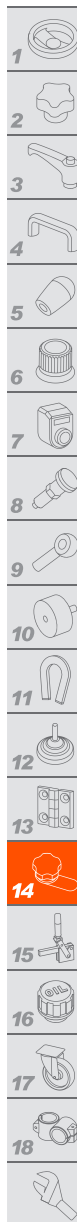
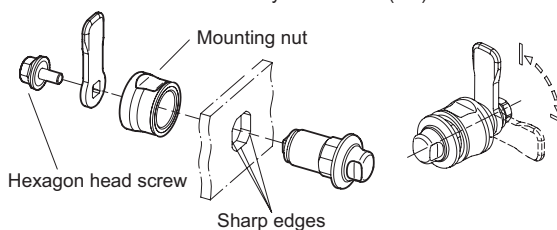
Stainless steel latches GN 1150 are intended for use in hygienic areas and meet hygiene requirements on the operating side (front hygiene) and on the operating and latch arm side (full hygiene) due to the special mounting nuts as well as the optimized latch arm and hexagon head screw. The locking mechanism is protected by two seals (front hygiene) and multiple seals (full hygiene). At the same time, the high surface quality ($R_a < 0.8 \mu\text{m}$) and dead-space-free mounting prevent dirt from adhering and facilitate cleaning.

The latches create a secure closure by rotating a maximum of 90°, which positions the latch arm in the locked position behind the frame. Slanted surfaces on the latch arm ensure smooth positioning. Latch arms are available with different bend angles to cover a latch arm distance A from 6 to 28 mm (front hygiene) and 22 to 44 mm (full hygiene).

The mounting holes in the housing must be at a right angle, free of burrs and without a chamfer. This ensures that the sealing rings will function properly. Stainless steel latches GN 1150 (front hygiene) are supplied with loosely enclosed latch arm.

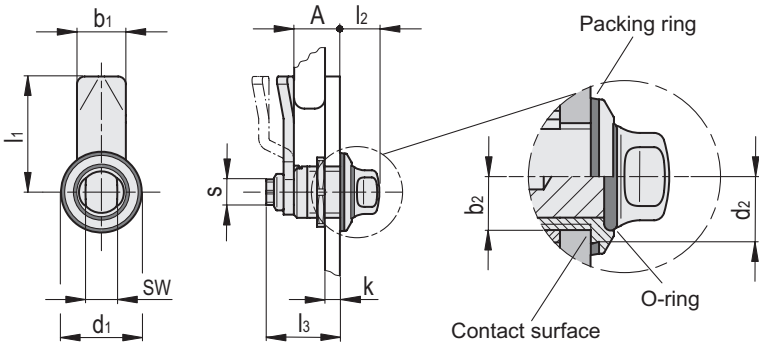
ACCESSORY

Sealing Rings GN 7600

**Assembly instructions (FH)****Assembly instructions (VH)**



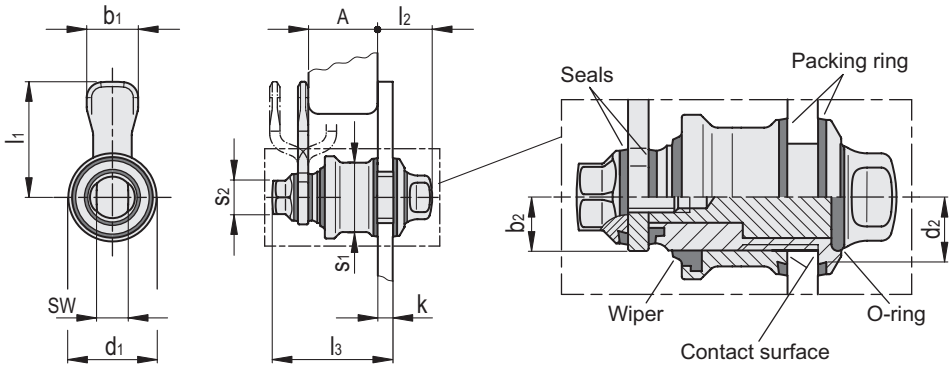
Conversion Table 1 mm = 0,039 inch	
d1	
mm	inch
22	0.86
30	1.17



GN 1150-FH

INOX STAINLESS STEEL METRIC

Code	Description	A	l1 ±1	l2	l3	b1	b2	d1	d2	k min	k max	s	SW	⚖
GN.23441	GN 1150-22-SW-7,5-FH-E	7.5	24	12.6	21	12	7	22	9	1.5	5	8	9	44
GN.23442	GN 1150-22-SW-13,5-FH-E	13.5	24	12.6	21	12	7	22	9	1.5	5	8	9	44
GN.23443	GN 1150-22-SW-19,5-FH-E	19.5	24	12.6	21	12	7	22	9	1.5	5	8	9	44
GN.23461	GN 1150-30-SW-6-FH-E	6	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23462	GN 1150-30-SW-10-FH-E	10	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23463	GN 1150-30-SW-14-FH-E	14	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23464	GN 1150-30-SW-18-FH-E	18	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23465	GN 1150-30-SW-20-FH-E	20	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23466	GN 1150-30-SW-22-FH-E	22	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23468	GN 1150-30-SW-24-FH-E	24	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23469	GN 1150-30-SW-26-FH-E	26	45	15.3	29	19	10	30	13	1.5	6	10	13	125
GN.23470	GN 1150-30-SW-28-FH-E	28	45	15.3	29	19	10	30	13	1.5	6	10	13	125



GN 1150-VH

INOX STAINLESS STEEL METRIC

Code	Description	A	l1 ±1	l2	l3	b1	b2	d1	d2	k min	k max	s1	s2	SW	⚖
GN.23467	GN 1150-30-SW-22-VH-E	22	45	15.3	47	20	10	30	13	1.5	6	27	13	13	211
GN.23471	GN 1150-30-SW-33-VH-E	33	45	15.3	47	20	10	30	13	1.5	6	27	13	13	211
GN.23472	GN 1150-30-SW-44-VH-E	44	45	15.3	47	20	10	30	13	1.5	6	27	13	13	211

TECHNICAL DATA AND ASSEMBLY INSTRUCTIONS

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

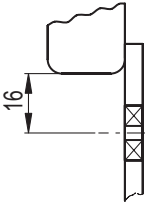
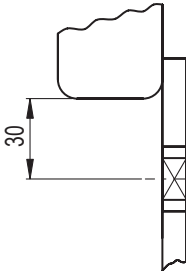
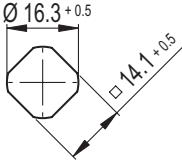
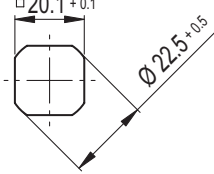
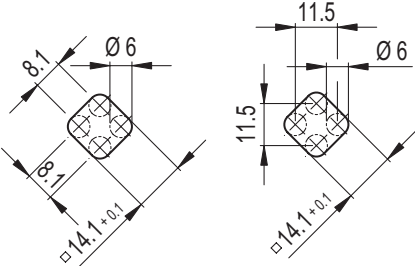
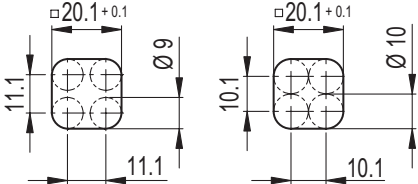
The latch housing is inserted into the installation bore from the front and secured from the back with the mounting nut. Then the latch arm is secured with the hexagon head screw.

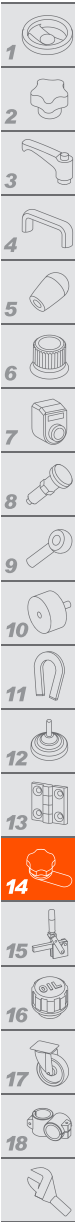
In series production, the required installation bore in the door leaf is usually created by punching or laser cutting.

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

The sheet metal punch GN 123 (see page) is also available for small series production and sheet steel with a thickness < 2 mm.

METRIC

Contruction note for d1 = 22	Contruction note for d1 = 30
Bore distance	
	
Installation bore for punching or lasering	
	
Installation bore for drilling or milling	
	



Latches