



- 2 Type**  
SW With two spanner flats
- 4 Coding**  
FH Operating side in Hygienic Design

**Metric table**

Dimensions in: millimeters - inches

| d <sub>1</sub> | Latch arm distance A |              |              |            |            |            |            |            |            |            | b <sub>1</sub> | b <sub>2</sub> | d <sub>2</sub> | k<br>min.   | max.       | l <sub>1</sub> ≈ | l <sub>2</sub> | l <sub>3</sub> ≈ | s          | A/F       |
|----------------|----------------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|----------------|----------------|----------------|-------------|------------|------------------|----------------|------------------|------------|-----------|
|                | 7.5                  | 13.5         | 19.5         | -          | -          | -          | -          | -          | -          | -          |                |                |                |             |            |                  |                |                  |            |           |
| 22<br>0.87     | 7.5<br>0.30          | 13.5<br>0.53 | 19.5<br>0.77 | -          | -          | -          | -          | -          | -          | -          | 12<br>0.47     | 7<br>0.28      | 9<br>0.35      | 1.5<br>0.06 | 5<br>0.20  | 24<br>0.94       | 12.6<br>0.50   | 21<br>0.83       | 8<br>0.31  | 9<br>0.35 |
| 30<br>1.18     | 6<br>0.24            | 10<br>0.39   | 14<br>0.55   | 18<br>0.71 | 20<br>0.79 | 22<br>0.87 | 24<br>0.94 | 26<br>1.02 | 28<br>1.10 | 19<br>0.75 | 10<br>0.39     | 13<br>0.51     | 1.5<br>0.06    | 6<br>0.24   | 45<br>1.77 | 15.3<br>0.60     | 29<br>1.14     | 10<br>0.39       | 13<br>0.51 |           |

**Specification**

- Cam latch housing  
Stainless steel AISI 316L
- Latch arm  
Stainless steel  
- AISI 304 for d<sub>1</sub> = 22  
- AISI 316L for d<sub>1</sub> = 30
- Sealing ring / O-ring  
EPDM E  
- Blue, FDA compliant  
- Temperature resistant -40 °F to 248 °F (-40 °C to 120 °C)  
- Hardness 85 ±5 shore A (Sealing ring)  
- Hardness 70 ±5 shore A (O-ring)
- Other parts  
Stainless steel AISI 316L
- All moving parts lubricated with a special, FDA compliant grease
- Protection class IP 66
- IP Protections Classes → page QVX
- Plastic Characteristics → page QVX
- Stainless Steel Characteristics → page QVX
- RoHS compliant

**Accessory**

- Sealing rings GN 7600 → page XYZ
- Socket keys GN 1151 → page XYZ

**Information**

GN 1150 cam latches are intended for use in hygienic areas and meet hygiene requirements on the operating side. The locking mechanism is protected by two seals. At the same time, the high surface quality (Ra < 0.8 µm) 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.

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. GN 1150 stainless steel latches are supplied with loosely enclosed latch arm.

see also...

- Cam Latches GN 1150 (Stainless Steel, Operating and Latch Arm Side in Hygienic Design) → page QVX

**How to order**

**GN 1150-22-SW-7.5-FH-E**

|   |                                  |
|---|----------------------------------|
| 1 | Diameter d <sub>1</sub>          |
| 2 | Type                             |
| 3 | Latch arm distance A             |
| 4 | Coding                           |
| 5 | Material (Sealing ring / O-ring) |

### Technical and assembly instructions

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

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 hex 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 → page XYZ is also available for small series production and sheet steel with a thickness < 2 mm.

| Construction note for $d_1 = 22$                  | Construction note for $d_1 = 30$ |
|---|----------------------------------|
| <b>Bore distance</b>                              |                                  |
|   |                                  |
| <b>Installation bore for punching or lasering</b> |                                  |
|   |                                  |
| <b>Installation bore for drilling or milling</b>  |                                  |
|   |                                  |

