



Metric table

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Dimensions in: millimeters / inches

d ₁	Latch arm distance A				b ₁	b ₂	d ₂	k		I ₁ ^{+1 -1}	I ₂	I ₃ ≈	s ₁	s ₂	A/F
								min.	max.						
22 0.87	24 0.94	30 1.18	36 1.42	14 0.55	7 0.28	9 0.35	1.5 0.06	5 0.20	30 1.18	12.6 0.50	39.5 1.56	19 0.75	11 0.43	9 0.35	
30 1.18	22 0.87	33 1.30	44 1.73	20 0.79	10 0.39	13 0.51	1.5 0.06	6 0.24	45 1.77	15.3 0.60	47 1.85	27 1.06	13 0.51	13 0.51	

Specification

Cam latch housing

Stainless steel AISI 316L

Latch arm

Stainless steel AISI 316

Seals

Blue, FDA compliant

Operating temperature

-40 °F to 230 °F (-40 °C to 110 °C)

• Sealing rings / O-ring

EPDM

- Hardness 85 ±5 Shore A (Sealing rings)

- Hardness 70 ±5 Shore A (O-ring)

• Other seals / wipers

TPU, hardness 95 ±5 Shore A

Other parts

Stainless steel AISI 316L

All moving parts

Lubricated with a special, FDA compliant grease

Protection class IP 66

RoHS

Accessory

GN 7600 Sealing Rings

QVX

GN 7607 Wipers

QVX

GN 1151 Socket Keys

QVX

GN 3124 Sockets

QVX

Cam latches GN 1150 are designed for use in hygiene areas and meet strict hygiene requirements on the operating and latch arm side due to the special mounting nuts as well as the optimized latch arm and hex head screw. The locking mechanism is protected by multiple 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 22 to 44 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.

see also...

GN 1150 Cam Latches (Stainless Steel, Operating Side in Hygienic Design)

Page

QVX

Technical Information

IP Protection Classes

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Plastic Characteristics

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Stainless Steel Characteristics

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How to order

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Diameter d₁

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Type

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Latch arm distance A

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Coding

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Material (Sealing ring / O-ring)

GN 1150-30-SW-22-VH-E