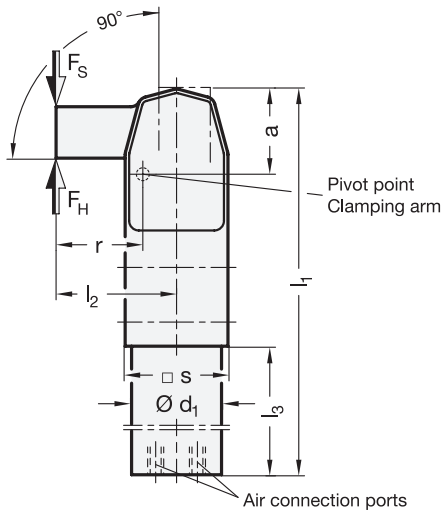


**2 Type**

**BL** Clamping arm horizontal

**1**

| Size (Piston-Ø) | max. clamping moment at 6 bar in Nm | $F_S$ Clamping force at r at 6 bar in N | $F_H$ Holding capacity at r in N | a | b –0,2 | $d_1$ h8 | $d_2$ | $d_3$ H8 | $d_4$ | $d_5$ | $h_1$ | $h_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 60 | 2220 | 7030 | 27 | 10 | 28 | M 5 | 7 | 4,2 | M 5 | 16 | 51 |
| 32 | 150 | 4110 | 12876 | 36,5 | 12 | 40 | M 6 | 9 | 5 | G ⅛ | 21 | 75,5 |
| 40 | 300 | 6740 | 16943 | 44,5 | 16 | 50 | M 8 | 11 | 6,8 | G ⅛ | 26 | 91,5 |
| 50 | 475 | 9000 | 22666 | 52,5 | 18 | 60 | M 10 | 13 | 8,5 | G ⅛ | 31 | 114 |

| Size (Piston-Ø) | $l_1$ –0,5 | $l_2$ | $l_3$ | $l_4$ | $l_5$ | $m_1$ ±0,01 | $m_2$ | $m_3$ ±0,01 | $m_4$ | $m_5$ ±0,01 | $m_6$ | r | s | t |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 150 | 37,5 | 70 | 21,5 | 4,5 | 12 | 7,5 | 17 | 34 | 22 | 13 | 27 | 32 | 13 |
| 32 | 206 | 52 | 91 | 31 | 6 | 18 | 10 | 25 | 51 | 30 | 22 | 36,5 | 42 | 15 |
| 40 | 244 | 63 | 104 | 37 | 7,5 | 22 | 13 | 30 | 62 | 37 | 25 | 44,5 | 52 | 18 |
| 50 | 279 | 74 | 110,5 | 43 | 8 | 27 | 12 | 47 | 71,5 | 44 | 35 | 52,5 | 62 | 21 |

## Specification

**3**

**Steel** C45

- Chemically nickel plated — **NC**
- Anti-stick coating Polytetrafluorethylene (PTFE), green — **FG**
- Max. pressure 10 bar

RoHS

| Technical Information | Page |
|---|---|
| Dead Point Mechanism Operating Principle / Overview of Types | QVX |
| Assembly Instruction | QVX |
| ISO Fundamental Tolerances | QVX |
| Plastic Characteristics | QVX |

**Accessory**

| | |
|---|---|
| **GN 864.1** Protective Covers | QVX |
| Proximity Switches (for Querying the End Positions) | QVX |
| Other Accessories | QVX |

The maximum clamping moment of the power clamps GN 864 is reached once the clamping arm is at the end of its stroke. For this reason the working stroke should be completed as closely as possible to the stroke end.
The type FG is equipped with an anti-stick coating of polytetrafluorethylene (PTFE) for protection against welding spray and corrosion. With protective covers GN 864.1, the tensioning mechanism can be additionally protected against penetrating dirt.

**Security Information**

The information in the operating instructions must be observed during installation, initial operation, and use. These are enclosed with the product and are provided digitally at ganternorm.com.

How to order (chemically nickel)

**1 2 3**

**GN 864-20-BL-NC**

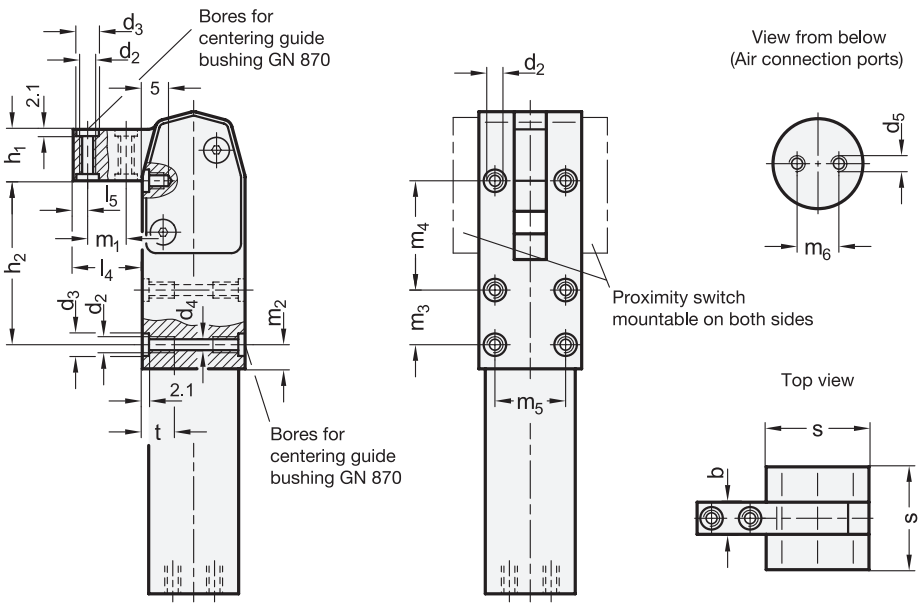
| | |
|---|---|
| 1 | Size |
| 2 | Type |
| 3 | Finish |

How to order (Anti-Stick Coating)

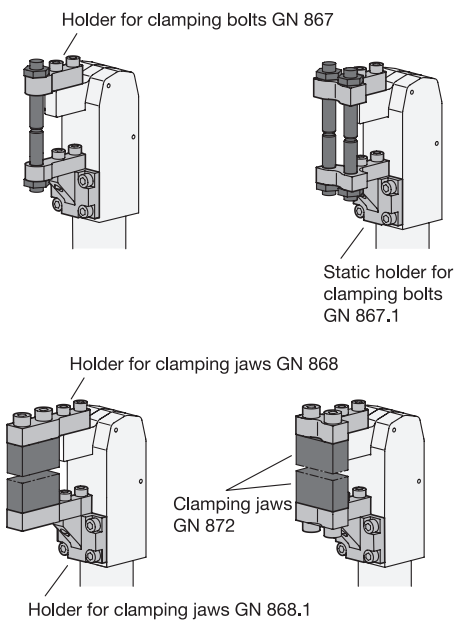
**1 2 3**

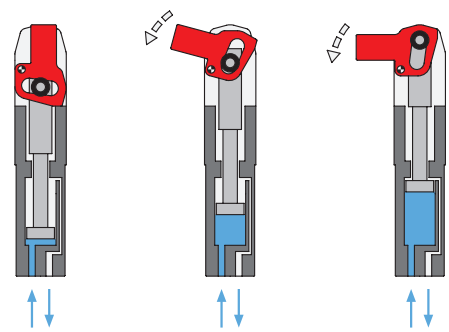
**GN 864-40-BL-FG**

| | |
|---|---|
| 1 | Size |
| 2 | Type |
| 3 | Finish |




## Installation Examples




## Operating Principle