

2 Type
BL Clamping arm horizontal

1

Size (Piston-Ø)	max. clamping moment in Nm at 6 bar	F_S in N Clamping force at r at 6 bar	F_H in N Holding capacity at r at 6 bar	a	b -0,2	d₁ h8	d₂	d₃ H8	d₄	d₅	h₁	h₂
20	60	2220	4070	27	10	28	M 5	7	4,2	M 5	16	51
32	150	4110	5620	36,5	12	40	M 6	9	5	G 1/8	21	75,5
40	300	6740	7530	44,5	16	50	M 8	11	6,8	G 1/8	26	91,5
50	475	9000	13300	52,5	18	60	M 10	13	8,5	G 1/8	31	114

Size (Piston-Ø)	l₁ -0,5	l₂	l₃	l₄	l₅	m₁ ±0,01	m₂	m₃ ±0,01	m₄ ±0,01	m₅	r	s	t
20	150	37,5	70	21,5	4,5	12	7,5	17	22	13	27	32	13
32	206	52	91	31	6	18	10	25	30	22	36,5	42	15
40	244	63	104	37	7,5	22	13	30	37	25	44,5	52	18
50	279	72,5	110,5	41,5	8	27	12	47	44	35	52,5	62	21

Specification

- Steel C45
 - blackened
 - anti-stick coating fluoropolymer (PTFE), green
- max. pressure 10 bar
- ISO-Fundamental tolerances → Page 1480
- RoHS

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Information

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.

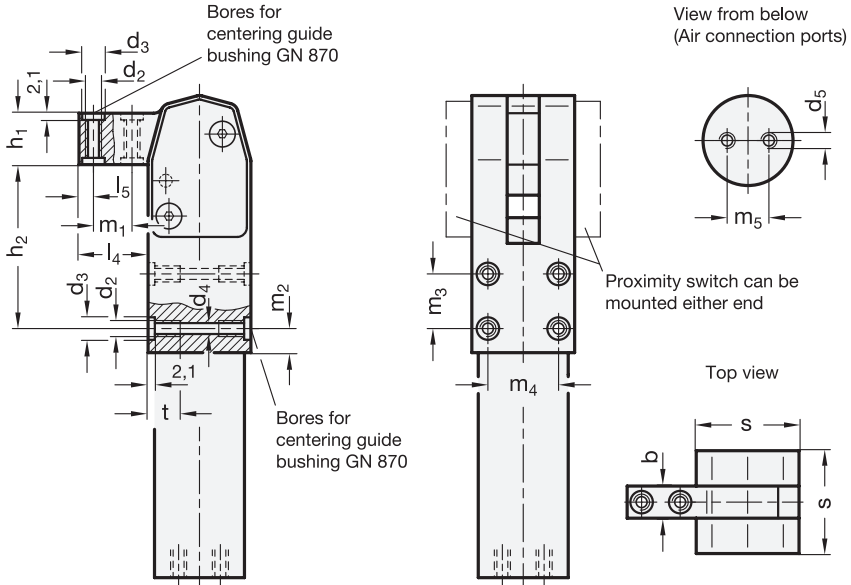
The type FG is equipped with an anti-stick coating of fluoropolymer (PTFE) for protection against welding spray and corrosion. With protective covers GN 864.1, the tensioning mechanism can be additionally protected against penetrating dirt.

see also...

- Operating principle, mounting methods → Page 592
- Accessories → Page 600 ff.

How to order (blackened) GN 864-20-BL	1 Size
	2 Type

How to order (anti-stick coating) GN 864-40-BL-FG	1 Size
	2 Type
	3 Finish



1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4