



2 Type

EP Solid clamping arm

3 Coding

M Magnetic piston

1

Size	F _H in N Holding capacity	F _S in N Clamping force at 6 bar ≈	b ₁	b ₂	b ₃	d ₁	d ₂ Compressed air connections	Inside Ø Connection tube	h ₁ ≈	h ₂
1000	10000	2500	102	90	20	10,5	G 1/4	8	145	80
2000	20000	3600	112	100	20	10,5	G 3/8	10	171,5	90

Size	h ₃	l ₁ ≈	l ₂ ≈	l ₃ ≈	m ₁	m ₂	m ₃	m ₄	r ≈	s
1000	25	410	90	155	65	12,5	65	48	140	13
2000	35	487	113	176	70	15	70	56	172	13

Specification

- Base
Cast steel
Black lacquered
- Other parts
Steel St 60
Zinc plated, blue passivated
- Bearing pins
Case hardened
- Double-action air cylinder
with adjustable cushioning
Max. pressure 6 bar
- All moving parts
Lubricated with special grease
- RoHS

Accessory

- Sensor GN 3380 → Page QVX

Information

Toggle clamps GN 861 have been constructed in such a way as to make them easy to unmount. The bearing pins are axially fixed with circlips. This allows the clamping arm to be modified to suit any particular application.

To ensure an extended life of the mechanical parts as well as the air cylinders, the operating pressure should not exceed 6 bar and a compressed air maintenance unit should be installed upstream.

Toggle clamps GN 861 have a permanent magnet integrated into the piston. In conjunction with sensors GN 3380, it is possible to detect the end position, such as for implementing machine controls.

see also...

- [More Information to Toggle Clamps \(Pneumatic\)](#) → Page 790

How to order

GN861-1000-EP-M

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