



- 2** Type  
EPV Solid clamping arm
- 3** Coding  
M Magnetic piston

**1**

Size	F <sub>H</sub> in N Holding capacity	F <sub>S</sub> in N Clamping force at 6 bar ≈	b <sub>1</sub> ≈	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	d <sub>1</sub>	d <sub>2</sub> Compressed air connections	Inside Ø Connection tube	h <sub>1</sub> ≈
1000	10000	3250	102	90	80	20	10,5	G1/4	8	355
2000	20000	5600	112	100	90	20	12,5	G3/8	10	425

Size	h <sub>2</sub>	h <sub>3</sub>	l <sub>1</sub> ≈	l <sub>2</sub> ≈	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	r	s
1000	132,5	25	217,5	80	50	12,5	50	-	144	13
2000	161	35	246,5	100	54	12,5	58	45	168,5	14

**Specification**

- Body  
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 863 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 once it is dismantled, 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 863 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

**GN 863-1000-EPV-M**

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- 2** Type
- 3** Coding

