



2 Type

EPV solid clamping bar

3 Coding

M Magnetic piston



Size	F_H in N Holding capacity	F_S in N Clamping force at 6 bar \approx	$b_1 \approx$	b_2	b_3	b_4	d_1	d_2	Inside \varnothing Connection tube	$h_1 \approx$
1000	10000	3250	102	90	80	20	10,5	G $\frac{1}{4}$	8	355
2000	20000	5600	112	100	90	20	12,5	G $\frac{3}{8}$	10	425

Size	h_2	h_3	$l_1 \approx$	$l_2 \approx$	m_1	m_2	m_3	m_4	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

- Proximity switch GN 896.3 \rightarrow Page 584

Information

GN 863 toggle clamps 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 cylinder the operating pressure should not exceed 6 bar. In addition a lubrication control unit should be mounted in the air in-feed line.

GN 863 toggle clamps are available as version M (magnetic piston). In conjunction with a GN 896.3 proximity switch the piston position is sensed and the generated signal can be used in sequence control systems.

see also...

- [More information to toggle clamps \(pneumatic\) \$\rightarrow\$ Page 501](#)

How to order

GN863-1000-EPV-M

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