



- 2** Type
EPV 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 | b ₄ | d ₁ | d ₂ | Inner-Ø for hose | h ₁ ≈ |
|------|-----------------------------------------|--------------------------------------------------|------------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| 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 ₂ | h ₃ | l ₁ ≈ | l ₂ ≈ | 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 finish
- other parts
Steel St 60
zinc plated, blue passivated finish
- Bearing bolts
case-hardened
- double action air cylinder
with adjustable cushioning
max. operating pressure 6 bar
- all moving parts
lubricated with special grease
- RoHS compliant

Accessory

- Proximity switch with mounting bracket
GN 896.3 → Page 764

Information

Heavy duty pneumatic lock-down 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 cylinder the operating pressure should not exceed 6 bar. In addition a lubrication control unit should be mounted in the air in-feed line.

These clamps have a 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 pneumatically operated clamps → Page 677

How to order

GN 863-1000-EPV-M

- 1** Size
- 2** Type
- 3** Coding

