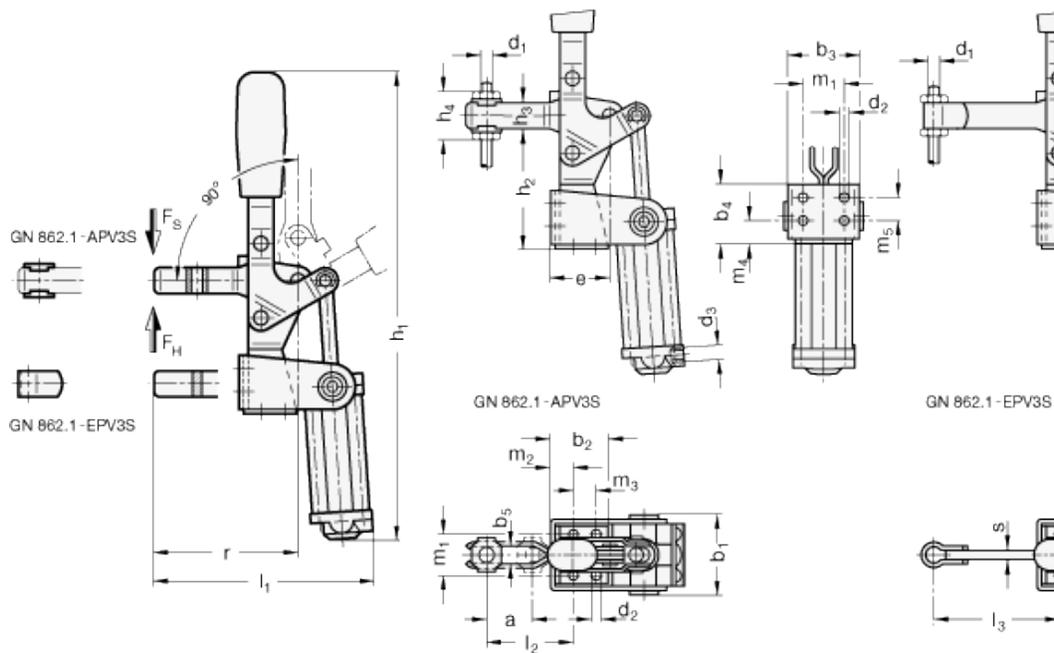


# GN 862.1

Pneumatically operated clamps



technical informations

## Metal parts

Zinc-plated case-hardened steel C10, blue passivated.

## Bearing pins

Hardened and tempered steel.

## Bearing bushes

Case-hardened steel.

## Bearing pins for cylinder

Case-hardened steel.

### Double acting cylinder

With adjustable cushioning, maximum operating pressure 6 bar.

### Standard versions available

- Version APV3S: with forked clamping arm with two stepped side washers.
  - Version EPV3S: with solid clamping arm with bolt retainer for welding.
- Both versions are available with magnetic piston (EPV3S-M or APV3S-M).

### Accessories on request

- Clamping bolts to be ordered separately.
- Holders for clamping bolts GN 801.
- Holders for clamping bolts GN 809.

### Features and applications

A special feature of the pneumatically operated clamps GN 862.1 is that they can be mounted in two different planes.

This clamp design is used, for instance, if one workpiece is to be manually clamped with several clamps and to be released pneumatically by means of a single electrical pulse.

To ensure an extended life of the mechanical parts as well as air cylinder the operating pressure should not exceed 6 bar. In addition a lubro control unit should be fitted in the air line.

Two stepped side washers / clamping bolt retainers are included.

Standard Element	Main dimensions																							Female thread	Holding force FH in N	Clamping force at 4 bar ≈	
Description	a	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	e	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub> ≈	l <sub>1</sub> ≈	l <sub>2</sub> ≈	l <sub>3</sub> ≈	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	m <sub>5</sub>	r	s			∅
GN 862.1-200-APV3S	34	59.5	38.5	51	35	8.5	M8	6.5	G1/8	39.5	296	78	17	35	150	59	80	26	14.5	16	11	16	98	6	4	2200	900
GN 862.1-200-APV3S-M	34	59.5	38.5	51	35	8.5	M8	6.5	G1/8	39.5	296	78	17	35	150	59	80	26	14.5	16	11	16	98	6	4	2200	900
GN 862.1-300-APV3S	42	68.5	53	60.5	50	10.3	M10	8.5	G1/4	50.5	360	108	20	41	187	74	104	30	16.5	30	12	30	122	8	6	2700	1200
GN 862.1-300-APV3S-M	42	68.5	53	60.5	50	10.3	M10	8.5	G1/4	50.5	360	108	20	41	187	74	104	30	16.5	30	12	30	122	8	6	2700	1200
GN 862.1-200-EPV3S	-	59.5	38.5	51	35	-	M8	6.5	G1/8	39.5	296	78	17	-	150	-	80	26	14.5	16	11	16	98	6	4	2200	900
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