Toggle, power and hook clamps 14

Pneumatic Toggle Clamps

with Additional Manual Operation

SPECIFICATION

Types

- Type APVS: Forked clamping arm, with two flanged washers
- Type CPVS: Forked clamping arm, with two flanged washers and clamping screw GN 708.1
- Type EPVS: Solid clamping arm, with clasp for welding

Coding

- Coding M: Magnetic piston

Sheet metal parts Case-hardened steel C10 Zinc plated, blue passivated

Bearing pins hardened

Bearing rivets case-hardened

Air cylinder bearing pins Case-hardened

Double-action air cylinder Max. pressure 6 bar

All moving parts

Lubricated with special grease

Solid moulded plastic handle sleeve

Red, oil resistant

Clamping screw GN 708.1 (see page), type A

- Steel, zinc plated, blue passivated
- Rubber thrust pad 85 Shore A

INFORMATION

Toggle clamps GN 862.1 are built from the same construction as GN 862 (see page 1616).

The special features of these clamps are that they can be mounted in two different planes, and they can also be operated manually via the grip handle. For example, they can individually be manually closed, and then all clamps can be opened at once via the pneumatic function.

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 862.1 have a permanent magnet integrated into the piston. In conjunction with sensors GN 3380 (see page), it is possible to detect the end position, such as for implementing machine controls.









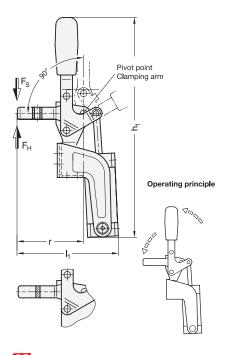


TECHNICAL INFORMATION

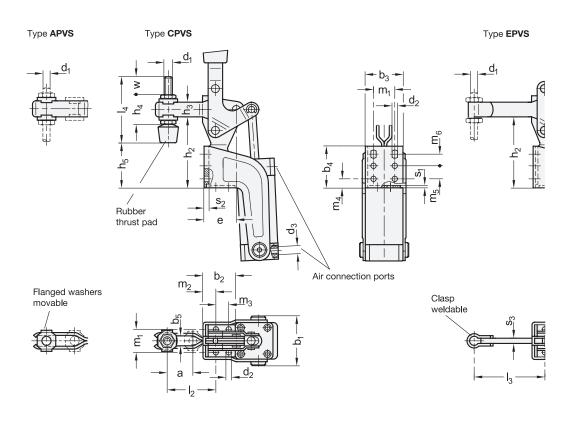
- General information for toggle clamps (see page 1560)
- List of pneumatic clamps (see page)

ACCESSORY

- Clamping Screws (see page 1629)
- Holders for Clamping Screws GN 801 (for Type AP) (see page 1629)
- Holders for Clamping Screws GN 809 (for Type EP) (see page 1630)
- Sensor GN 3380 (see page)







GN 862.1

3N 002.1																									_							
Description	Size	FH in	FS in N	а	b1	b2	b 3	b4	b 5	d1	d2	d3	Inside Ø connection tube		h1	h2	h3 h	4 ≈	h 5	l1 ≈ l2	≈ I3 ≈ ma	≈ x. I4	l mi	m2	m 3	m4	m5 r	n6 ı	'≈ s	1 S2 S	s3 w	7,7
GN 862.1-230-APVS-M	230	2200	1260	40	58	38	46	51	8.5	M 8	6.5	G 1/8	4	41.5	302	87	18	-	-	153 6	7 -	-	26	14	16	11	16 1	4.21	04 3	5.5		1350
GN 862.1-330-APVS-M	330	2600	1800	45	70	52.5	56	79	10.5	M 10	8.5	G 1/4	6	52.5	363	108	22	-	- 1	182 7	2 -	-	30	16	28	19	30	20 1	21 3.	5 6.5		2300
GN 862.1-230-CPVS-M	230	2200	1260	40	58	38	46	51	8.5	М8	6.5	G 1/8	4	41.5	302	87	18 3	30	63	153 6	57 -	68	3 26	14	16	11	16 1	4.21	04 3	5.5	- 20	1379
GN 862.1-330-CPVS-M	330	2600	1800	45	70	52.5	56	79	10.5	M 10	8.5	G 1/4	6	52.5	363	108	22 3	37	80	182 7	2 -	7	7 30	16	28	19	30	20 1	.21 3.	5 6.5	- 19	2355
GN 862.1-230-EPVS-M	230	2200	1260	-	58	38	46	51	-	M 8	6.5	G 1/8	4	41.5	302	87	18	-	-	155	- 8	1 -	26	14	16	11	16 1	4.21	05 3	5.5	6 -	1400
GN 862.1-330-EPVS-M	330	2600	1800	-	70	52.5	56	79	-	M 10	8.5	G 1/4	6	52.5	363	108	22	-	-	184	- 9	1 -	30	16	28	19	30	20 1	23 3.	5 6.5	7 -	2300