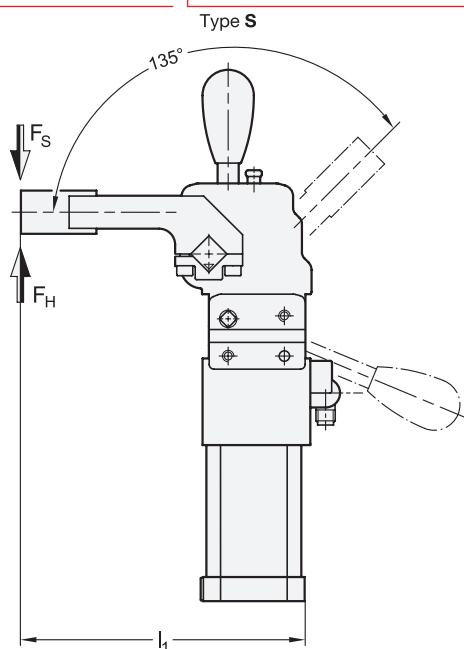


2 Type

S With clamping arm

☐ Without clamping arm

3 Switch output

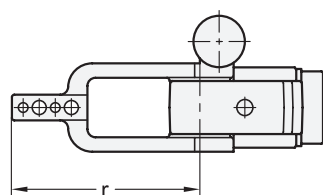
P PNP

4 Identification no.

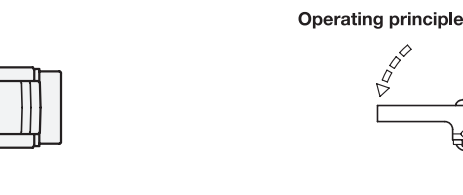
1 Without hand lever

2 With straight hand lever

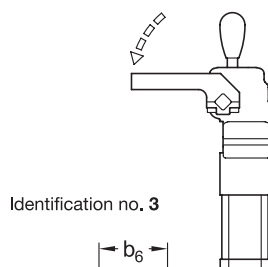
3 With bent hand lever



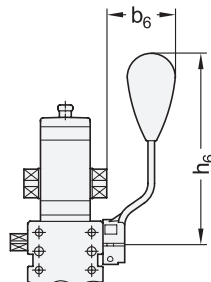
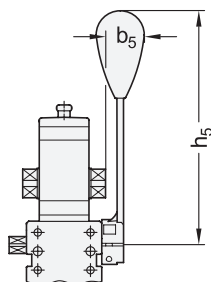
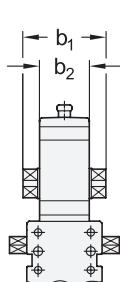
Identification no. 1



Identification no. 2



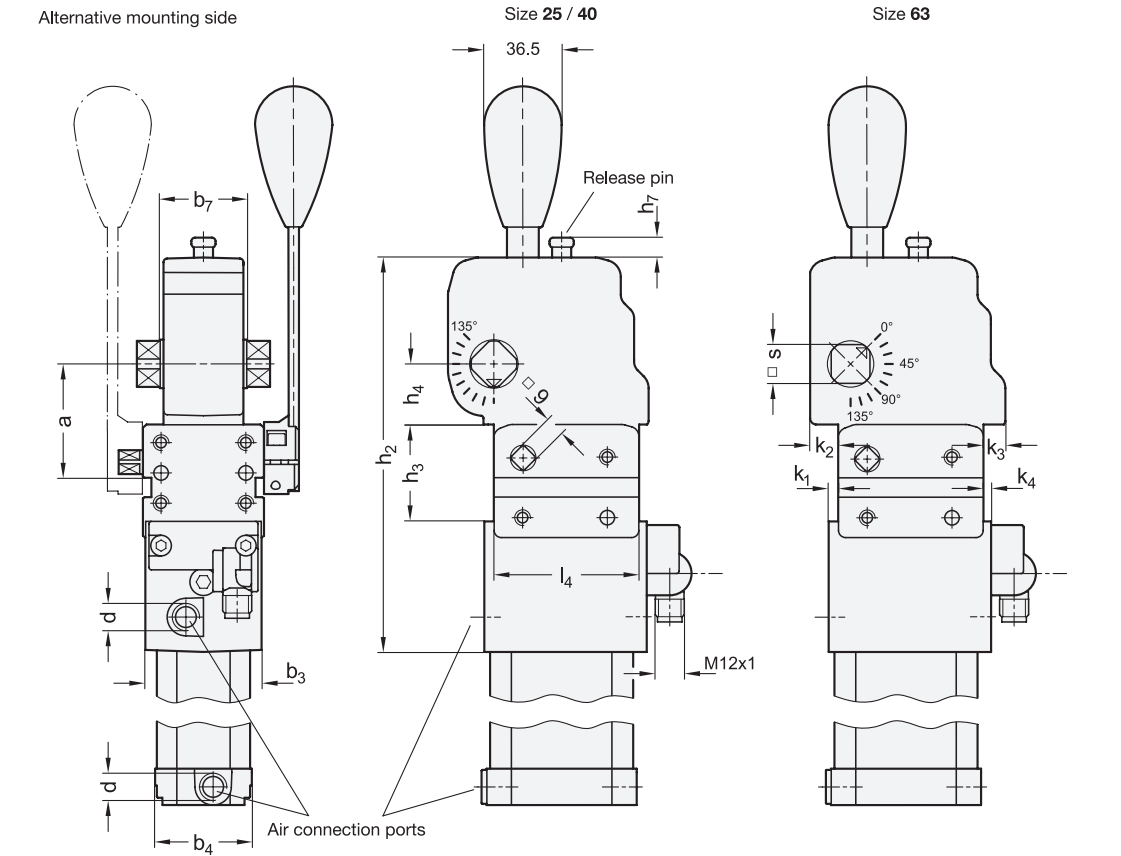
Identification no. **3**



1

Size (Piston-Ø)	max. clamping moment at 5 bar in Nm	F _S Clamping force at r at 5 bar in N ≈	F _H Holding capacity at r in N	a ±0,05	b ₁	b ₂	b ₃	b ₄	b ₅ ≈	b ₆ ≈	b ₇	d	h ₁ max.	h ₂
25	50	530	800	33,5	53	34,5	46	34	32,7	55,5	36	G 1/8	210	130
40	130	1110	3240	47	55	33,5	50	40	30,2	53	34,5	G 1/8	260	162,5
63	390	2700	10410	71.5	78	51.5	53	46	21.2	44	54	G 1/4	332.5	212

Size (Piston-Ø)	h ₃	h ₄ ±0,05	h ₅ ≈	h ₆ ≈	h ₇ ^{+0,1} ₀	k ₁	k ₂	k ₃	k ₄	l ₁	l ₂	l ₃	l ₄ ±0,1	n	r	s Square
25	28	17	162	134	8	4	4	4	4,5	132	43	60	44	6 H7	93	12
40	40	25	162	134	8	4	4,4	4	3	176	62	83	60	8 H7	117	16
63	55	36.5	201	134	9	7.5	12	7	7.5	229	106	112	93	12 N9	144	22



Specification

Housing

Aluminum

Square shaft

Steel, nitrided

Double-action cylinder

Pressure range 2 to 8 bar

Inductive sensor

Zinc die casting

Hand lever

- Shaft, steel, zinc plated, blue passivated
- Handle, plastic, red

Clamping arm for type S

Aluminum, anodized, natural color

Clamp piece, steel, zinc plated, blue passivated

RoHS

Technical Information

Page

Fastening and Mounting Dimensions	3
Technical Instructions	ganternorm.com
Electrical Properties	ganternorm.com
ISO Fundamental Tolerances	ganternorm.com

Accessory

ganternorm.com

Clamping Screws

GN 330 Cables with Connector Coupling
(4-pole, 5 or 10 Meters Long)

Power clamps GN 8621 hold and position parts, such as sheet metal panels, in automated welding processes or grip and secure parts in transfer and mounting mechanisms. The clamping arm transmits the tensioning or clamping force, which is produced pneumatically or via the hand lever, from the knee lever mechanism to the workpiece. The quick swivel movement enables short cycle times. The pneumatic end position damping ensures smooth and gentle movement.

The hand lever simplifies set-up processes and troubleshooting. It can be mounted on both sides and can be removed in the case of pneumatic operation to avoid accidents or unintended actuation.

The opening angle of the clamping arm can be set or limited at any position. The end positions are detected by sensors integrated into the internal mechanism and do not have to be set. The entire mechanism is encapsulated in the aluminum housing as protection against dirt and water spray. A long service life is ensured by the reinforced, weight-optimized housing and the high-quality needle bearings and joints in the internal mechanism.

see also...

ganternorm.com

GN 8620 Power Clamps (without Hand Lever)

GN 8620.1 Clamping Arms

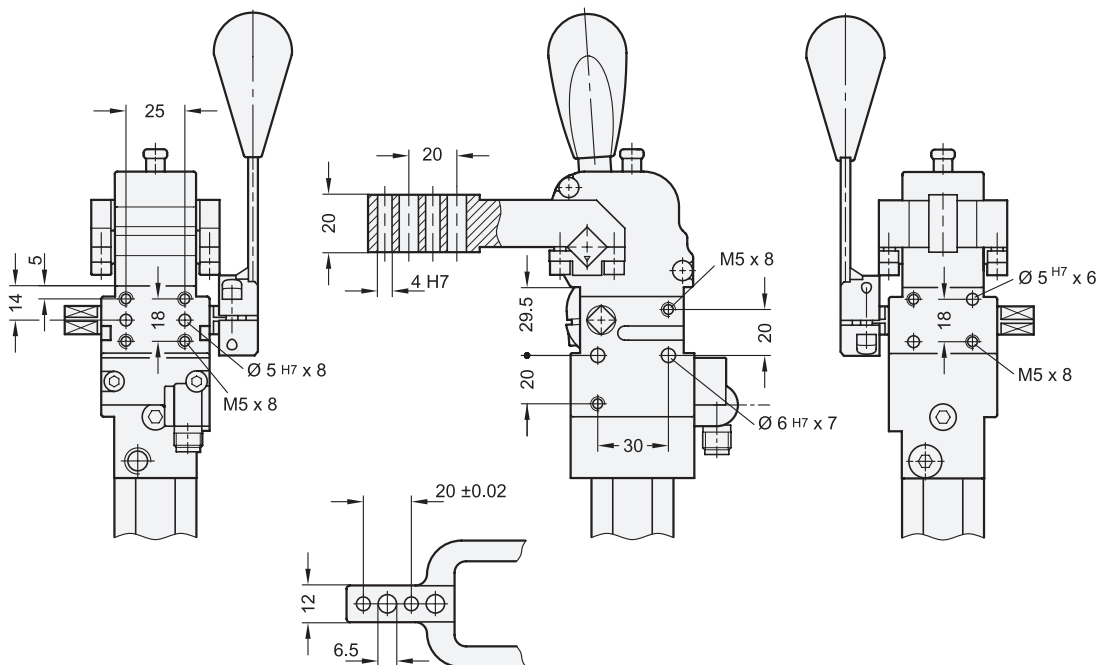
How to order 	1	Size
	2	Type
	3	Switch output
	4	Identification no.

2.4 2.3 2.2 2.1 1.4 1.3 1.2 1.1



The air connections are located on the front and back side. Connections that are not needed are closed with supplied blanking plugs.

Size 25



Fastening and Mounting Dimensions

