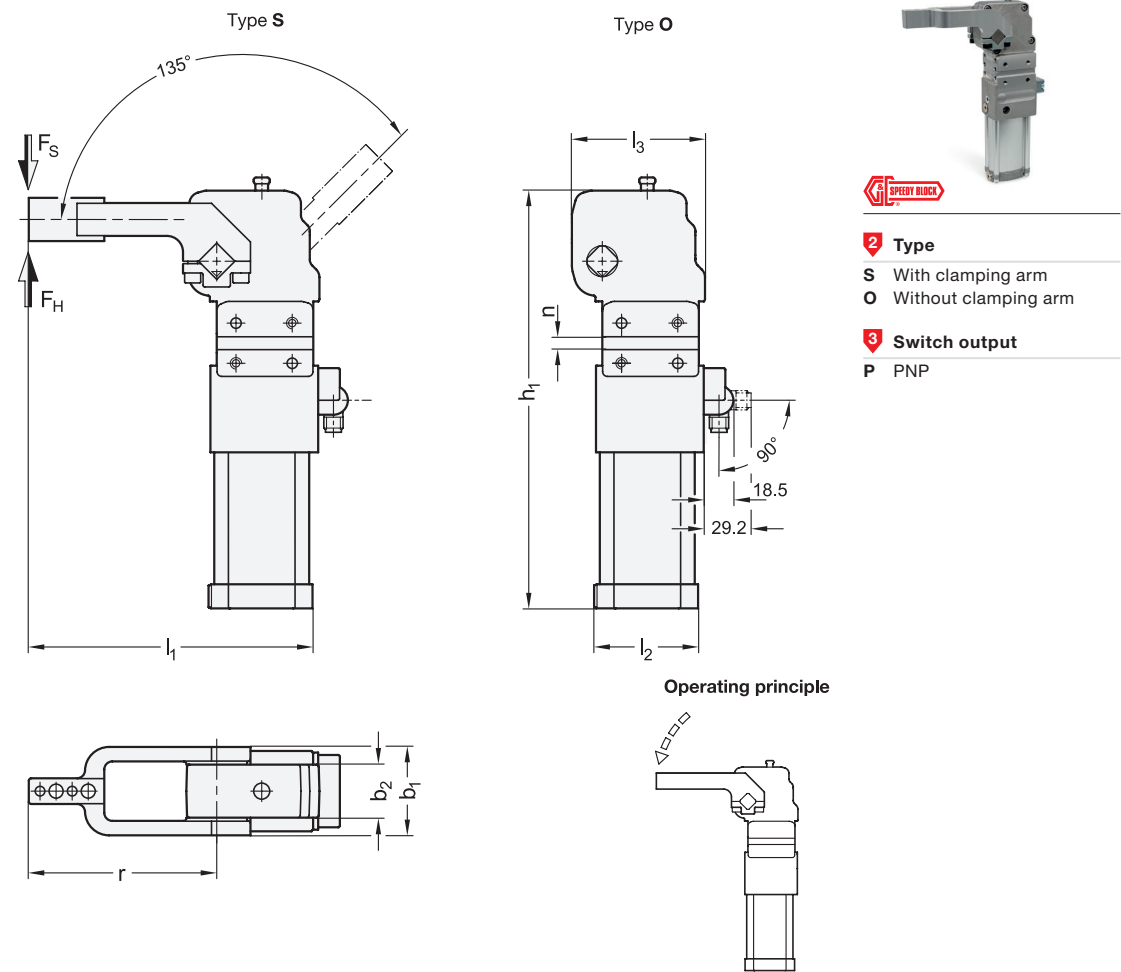
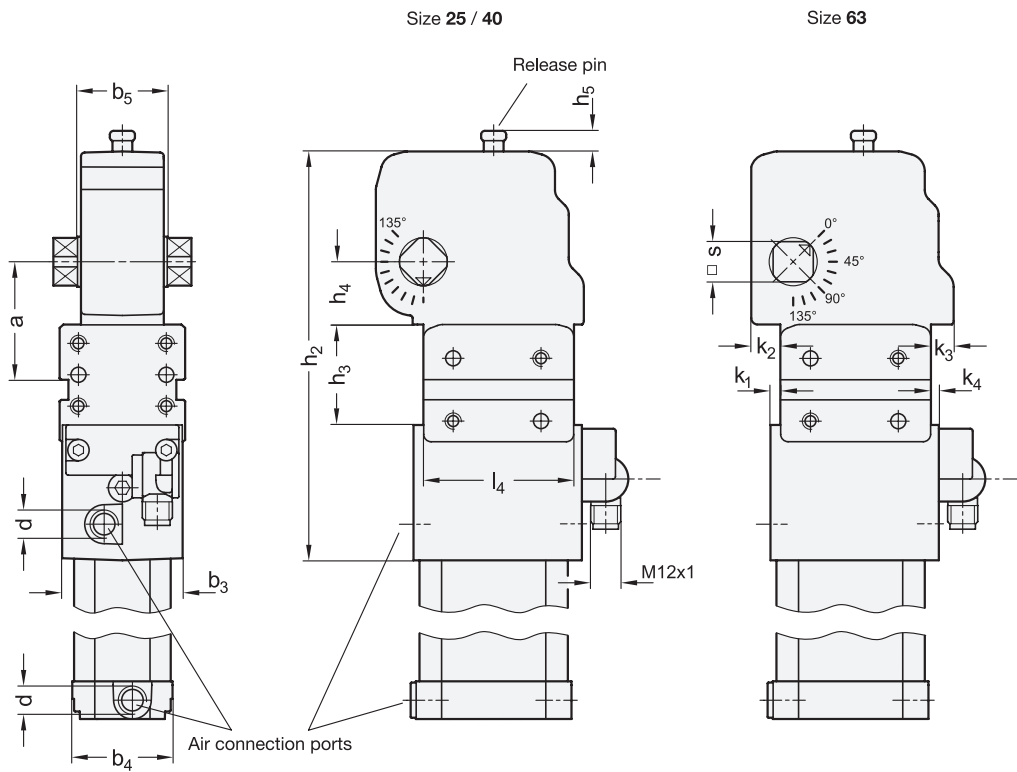




1

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	d	h ₁ max.	h ₂
25	50	530	800	33,5	53	34,5	46	34	36	G 1/8	210	130
40	130	1110	3240	47	55	33,5	48	40	34,5	G 1/8	260	162,5
63	390	2700	10410	71,5	78	51,5	53	46	54	G 1/4	332,5	212

Size (Piston-Ø)	h ₃	h ₄ ±0,05	h ₅ ^{+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	8	4	4	4	4,5	132	43	60	44	6 H7	93	12
40	40	25	8	4	4,4	4	3	176	62	83	60	8 H7	117	16
63	55	36,5	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

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

DIN 6325 Dowel Pins

DIN 7979 Dowel Pins (with Internal Thread)

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

Power clamps GN 8620 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, 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 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 8621 Power Clamps (with / without Additional Manual Operation)

GN 8620.1 Clamping Arms

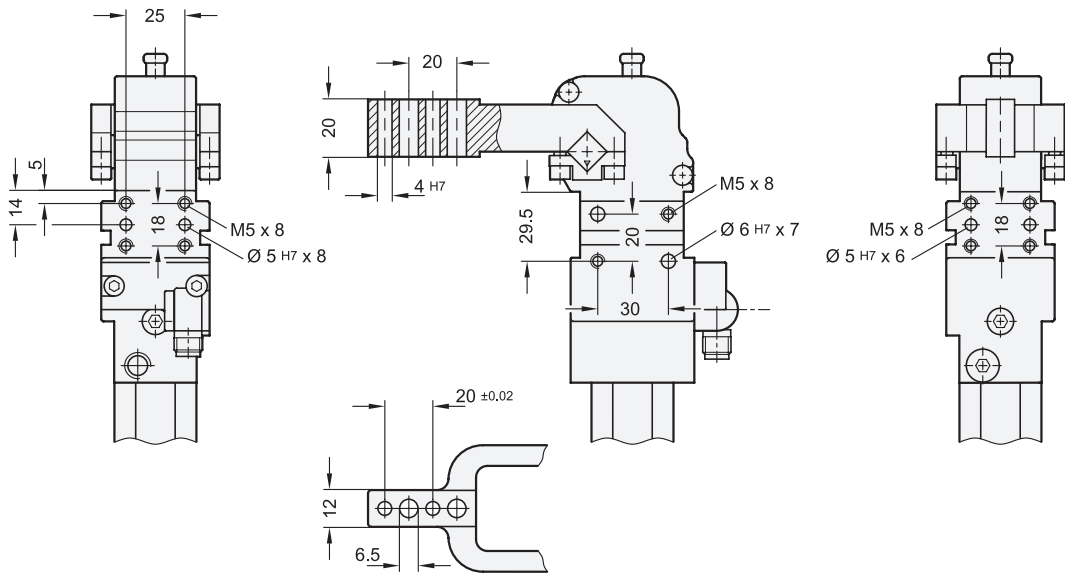
How to order GN 8620-40-S-P	1	Size
	2	Type
	3	Switch output

Fastening and Mounting Dimensions

During mounting, all holes present on the respective side must be used for the mounting screws and dowel pins. For side mounting, as an alternative to positioning with the dowel pins, a parallel key can be used in the groove provided to enable parallel adjustment in connection with elongated mounting holes on the application side.

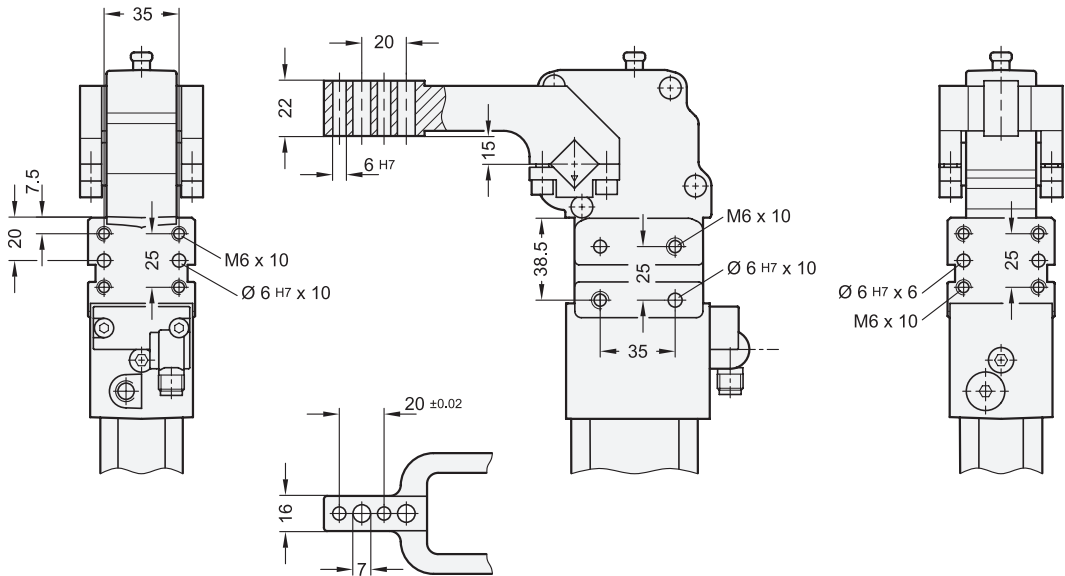
The air connections are located on the front and back side. Connections that are not needed are closed with supplied blanking plugs.

Size 25



Fastening and Mounting Dimensions

Size 40



Size 63

