

2 Type

SP3 Body
Steel forged

3 Coding

M Magnetic piston from size
360 upwards



Size	F _H in N Holding Capacity	F _S in N Clamping force at 4 bar ≈	a	b ₁	b ₂	d ₁	d ₂	d ₃	d ₄	Inner diametre-Ø for hose	h
70	1200	550	14	42	64	8,5	M 6	4,3	G1/8	4	52
360	5600	1000	27,5	55	90	12	M 8	5,5	G1/8	4	70
1100	16000	1850	28	66	133	16	M 10	8,5	G1/4	6	88
2100	25000	3000	38,5	80	177	20	M 12	8,5	G1/4	8	100

Size	l ₁	l ₂	l ₃	l ₄	m ₁	m ₂	m ₃	m ₄	s ≈	t	w Stroke
70	171	78,5	20	64	26	13	26	-	8	12	12
360	260	113	32	116	33,5	30	36,5	-	9,5	16	21
1100	355	171	49	167	41	15	35	41	12	18	31
2100	469	222	61,5	231	50	35	50	50	13	22	45

Specification

- Body
Steel
- forged
- chemically blackened
- Parts in sheet metal
- case-hardened Steel C10
- zinc plated, blue passivated finish
- Tapped connecting rod
Steel St 37
zinc plated, blue passivated finish
- Bearing bolts (Bearing rivets)
case-hardened
- Double action air cylinder
max. pressure 6 bar
- All moving parts lubricated with special
grease
- RoHS compliant

Accessory

- Proximity switch with mounting bracket
GN 896.1 / GN 896.2 → Page 764

Information

The working principle of the pneumatically operated plunger clamp GN 890 is identical in construction and dimensions to the manual plunger clamp GN 842.

To ensure an ex-tended 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. The sturdy mounting frame for the cylinder has been designed to avoid the trunions of the cylinder to protruding over the frame.

Pneumatically operated plunger clamps GN 890 are also available as from size 360 as version M (with magnetic piston). In conjunction with a proximity switch (GN 896.1 / GN 896.2) the position of the piston is sensed and the generated signal can be used in sequence control systems.

Pneumatically operated clamps

GN 890-1100-SP3

1 Size

2 Type

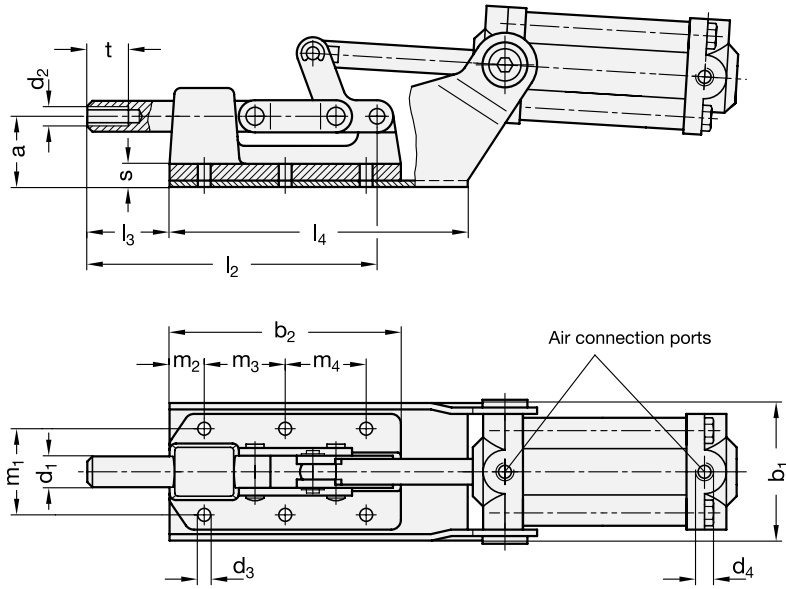
Pneumatically operated clamps with Magnetic piston

GN 890-360-SP3-M

1 Size

2 Type

3 Coding



2.1

2.2

2.3

2.4

2.5

2.6

2.7

2.8

2.9

