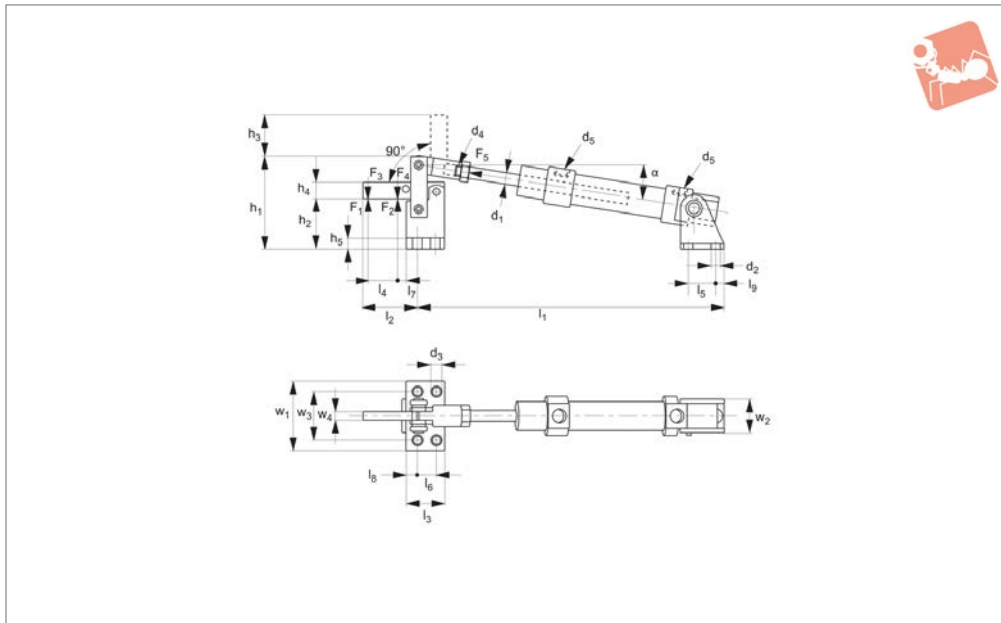




Pneumatic Toggle Clamps

heavy duty - horizontal

Pneumatic Toggle Clamps



47480

PNEUMATIC TOGGLE CLAMPS

Material

Tempered steel, blued.
The axle bolts run in bronze bushes and are tempered, ground and locked with circlips.

Technical Notes

Clamp ready for installation and consists of:
- heavy duty vertical toggle clamp no. 46100
- FESTO-pneumatic cylinder, double acting.

- Bearing block.
 F_3 and F_4 = max. clamping force at 6 bar.
*Vn = air consumption per double stroke in dm^3 at 6 bar.
Cylinders are to DIN ISO 6432.

Tips

Ideal for installation in material handling lines and special purpose machines.
Opening and closing of clamp can be controlled electronically, allowing integra-

tion into automated processes.
See also no. 46100 <X\46100#25> - clamp only.

Important Notes

Magnetic piston for end-position sensing.

Please order proximity switch separately from FESTO, see table for details.

Order No.	Size	F_1 kN	F_2 kN	F_3 kN	F_4 kN	F_5 kN	Piston stroke s_1	h_1	h_2	h_3	h_4	h_5	l_1	l_2	l_3	l_4	Weight g
47480.W0000	0	0.6	1.0	0.2	0.4	0.1	40	53	26	23	10	6	195	34	22	14	260
47480.W0001	1	0.8	1.2	0.6	0.8	0.2	40	68	37	28	12	8	238	41	28	17	500

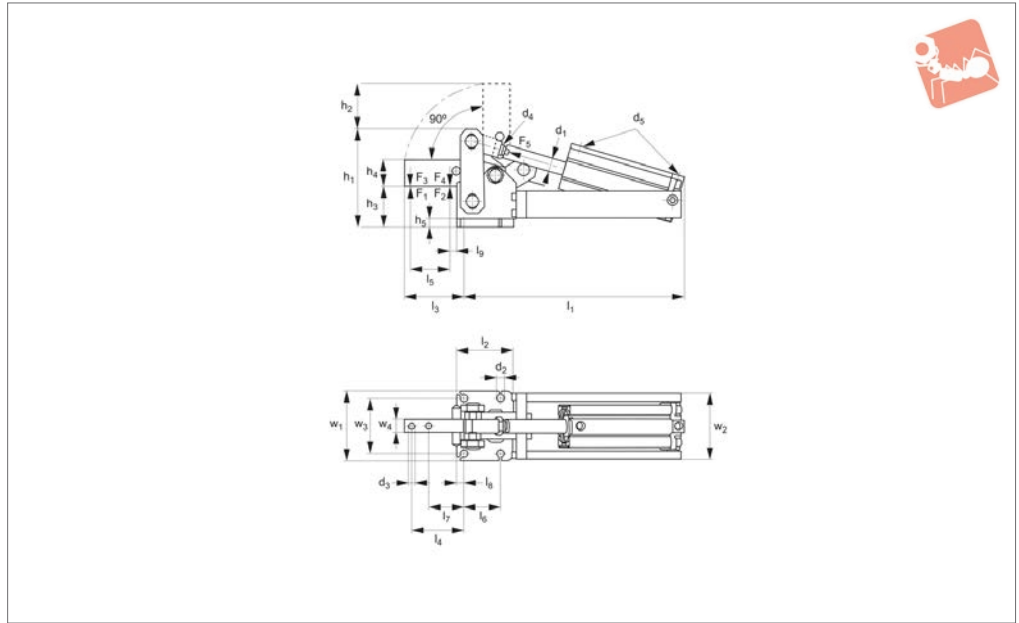
Order No.	l_5	l_6	l_7	l_8	l_9	w_1	w_2	w_3	w_4	d_1	d_2	d_3	d_4	d_5	Piston dia.	Vn dm^3	α
47480.W0000	15	11	7	5.5	5	35	27	27.5	5	6	5.5	4.5	M 6	M 5	16	0.1	6,6°
47480.W0001	20	14	9	8.0	6	50	35	34.0	6	8	6.5	7.0	M 8	G1/8	20	0.2	9,0°

Pneumatic Toggle Clamps

Heavy Duty Pneumatic Toggle Clamps with horizontal cylinder



47500



PNEUMATIC TOGGLE CLAMPS

Material

Body: tempered steel, burnished.
 Axle bolts: tempered and ground, locked with circlips.
 Bushes: case hardened and greased.

Technical Notes

Clamp ready for installation and consists of:
 - heavy duty vertical toggle clamp no. 46100
 Pneumatic cylinder, double acting.

F_3 and F_4 = max. clamping force at 6 bar.
 V_n = air consumption per double stroke in dm^3 at 6 bar.
 Suitable proximity switches for end-position monitoring are available using order 45001. 0.3m PUR cable with M8 connector and rotatable knurled nuts.
 Switching function: NOC. Output: PNP.

Tips

Ideal for installation in material handling lines and special purpose machines.
 Opening and closing of clamp can be

controlled electronically, allowing integration into automated processes.
 See also no. 46100 <X\46100#25> - clamp only.
 Holes are provided in the arm to allow fixing of clamping elements by screwing or welding. Also available in a hydraulic version.

Important Notes

Magnetic piston for end-position sensing.

Order No.	Size	F ₁ kN	F ₂ kN	F ₃ kN	F ₄ kN	F ₅ kN	h ₁	h ₂	h ₃	h ₄	h ₅	l ₁	l ₂	l ₃	l ₄	l ₅	Weight g
47500.W0004	4	6	9	1.5	2.2	0.8	122	75	57	30	12	284	77	82	74	54	4800
47500.W0006	6	12	18	2.5	3.5	1.0	147	68	61	40	12	333	85	90	79	60	6965
47500.W0008	8	20	30	4.0	6.0	1.8	196	110	86	60	12	404	113	128	110	95	12785

Order No.	l ₆	l ₇	l ₈	l ₉	w ₁	w ₂	w ₃	d ₁	d ₂	d ₃	d ₄	d ₅	Piston dia.	Vn dm ³
47500.W0004	52	47	10	10	90	82	70	16	11	6.2	M12x1,25	G1/8	40	1.0
47500.W0006	55	53	11	10	105	100	83	20	11	8.2	M16x1,50	G1/4	50	1.8
47500.W0008	80	70	13	10	135	123	111	20	13	13.0	M16x1,50	G1/4	63	4.3