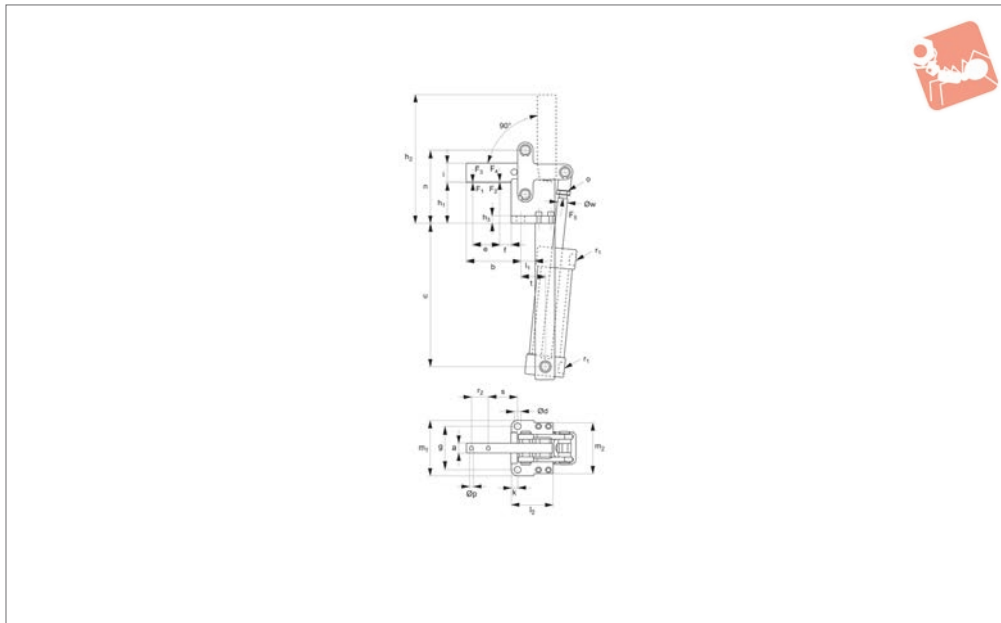




# Heavy Duty Vertical Pneumatic Toggle with vertical cylinder mounting

## Pneumatic Toggle Clamps



**47800**

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, fitted with FESTO-pneumatic cylinder, double acting.

$f_3$  and  $f_4$  = max. clamping force at 6 bar.  
Piston dia. = required piston dia. to

achieve force  $f_5$  at 6 bar.

$Vn$  = air consumption per double stroke in  $dm^3$  at 6 bar.

### 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. 46200 <\46200#25> - clamp only.

Clamps are maintenance free, due to heat-treated and ground axle bolts. Holes are provided in arm to allow fixing of clamping elements via welding or screws.

### Important Notes

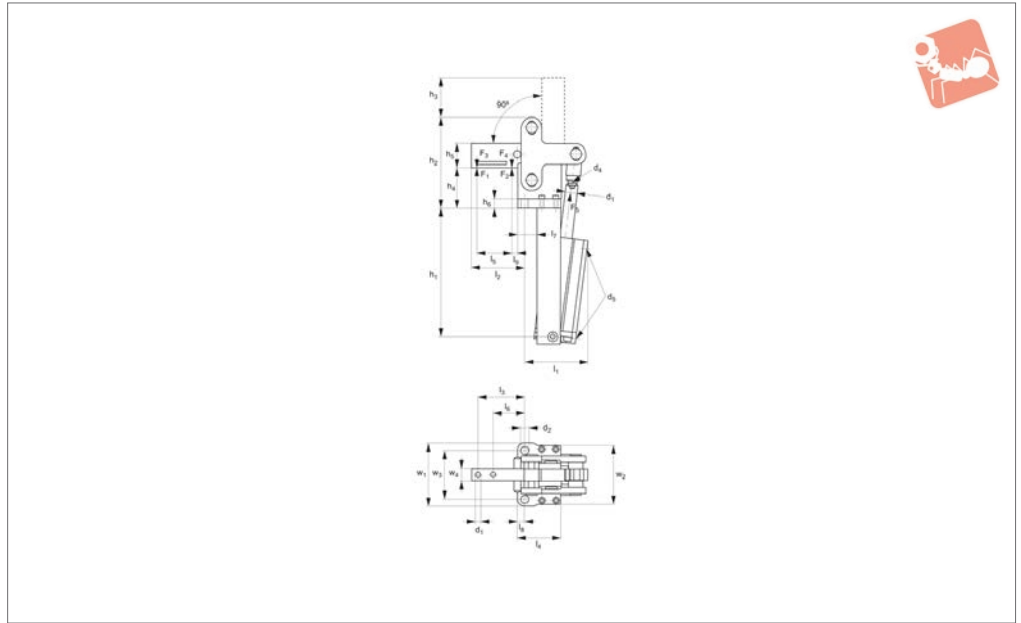
**Magnetic piston for end-position sensing.**

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	$Vn$ $dm^3$	$h_1$	$h_2$	$h_3$	a	b	d	Dia. p	e	f	Weight g
<b>47800.W0006</b>	6	12	18	2.5	3.5	1.0	1.8	69	226	15	20	91	13	8.2	60	10.0	7250
Order No.	$g_1$	i	k	$l_1$	$l_2$	$m_1$	$m_2$	n	o	$\emptyset w$	Piston dia.	Piston stroke	$r_1$	$r_2$	s	t	u
<b>47800.W0006</b>	83	40	12	32	73.5	107	100	137	M16x1,5	16	50	87	G1/4	26	54	48	221



## 47850



PNEUMATIC TOGGLE CLAMPS

### Material

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

### Technical Notes

With swivel mounting and adj. end position cushioning.  
 Clamp ready for installation, fitted with 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.

### 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	$V_n$ $dm^3$	$h_1$	$h_2$	$h_3$	$h_4$	$h_5$	$h_6$	$l_1$	$l_2$	$l_3$	Weight g
47850.W0004	4	6	9	1.5	2.2	0.8	1.0	193	129.5	75.5	65	30	12	103	82	74	3850
47850.W0006	6	12	18	2.5	3.5	1.0	1.6	221	154.5	68.5	69	40	15	120	91	80	6950
47850.W0008	8	20	30	4.0	6.0	1.8	1.8	255	204.0	110.0	94	60	20	162	125	107	13160

Order No.	$l_4$	$l_5$	$l_6$	$l_7$	$l_8$	Piston dia.	$w_1$	$w_2$	$w_3$	$w_4$	$d_1$	$d_2$	$d_3$	$d_4$	$d_5$
47850.W0004	67	54	47	37	10	40	90	82	70	15	16	11	6.2	M12x1,25	G1/8
47850.W0006	74	60	54	34	12	50	107	100	83	20	20	13	8.2	M16x1,50	G1/4
47850.W0008	109	95	67	49	15	63	145	115	115	30	20	17	13.0	M16x1,50	G1/4