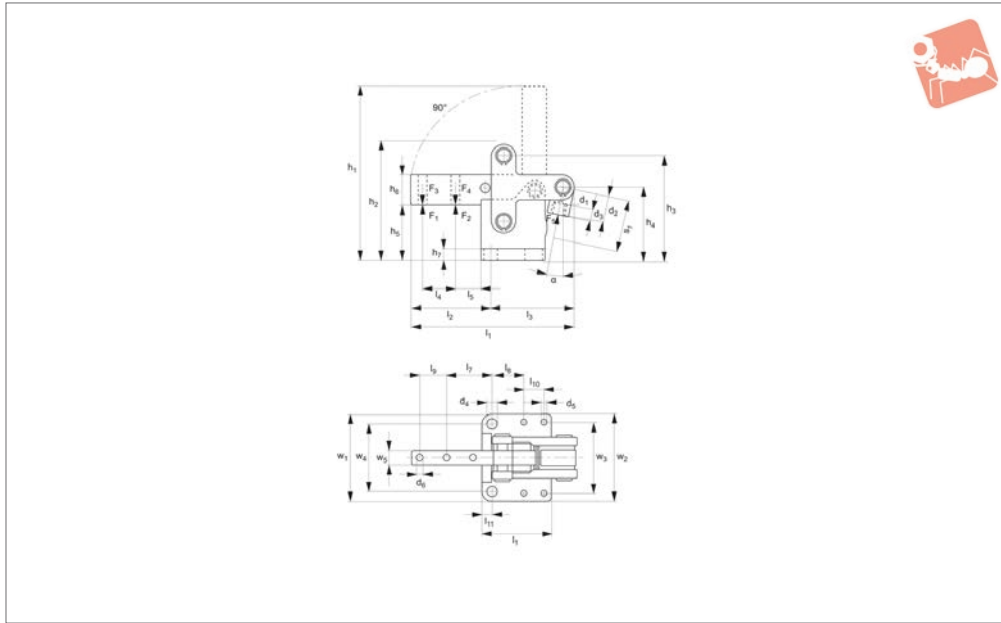


# Heavy Duty Toggle Clamps for vertical cylinder connection

# Heavy Duty Toggle Clamps



**46200**

HEAVY DUTY TOGGLE CLAMPS

**Material**

Body: tempered steel, burnished.  
Axle Bolts: tempered and ground, locked with circlips.

Bushes: case hardened and greased.

**Technical Notes**

The clamping forces  $F_3$  and  $F_4$  can be

achieved by using a cylinder with piston force  $F_5$ . This clamp can be equipped with a normal hydraulic or pneumatic cylinder. The rod joint is exchangeable.

Order No.	Size	$F_1$ kN	$F_2$ kN	$F_3$ kN	$F_4$ kN	$F_5$ kN	$h_1$	$h_2$	$h_3$	$h_4$	$h_5$	$h_6$	$h_7$	$l_1$	$l_{10}$	$l_{11}$	$l_2$	$l_3$	Weight g
<b>46200.W0004</b>	4	6	9	1.5	2.2	0.75	206	130	117	82	65	30	12	172	18	10	82	76	2400
<b>46200.W0006</b>	6	12	18	2.5	3.5	1.00	226	155	137	92	69	40	15	200	24	12	91	88	4300
<b>46200.W0008</b>	8	20	30	4.0	6.0	1.80	318	204	184	124	94	60	20	265	40	15	125	120	11000

Order No.	$l_4$	$l_5$	$l_6$	$l_7$	$l_8$	$l_9$	Stroke $s_1$	$w_1$	$w_2$	$w_3$	$w_4$	$w_5$	$d_1$	$d_2$	$d_3$	$d_4$	$d_5$	$d_6$	$\alpha$
<b>46200.W0004</b>	54	20.0	67.0	47	33.0	27	74	90	90	75.5	70	15	M12x1,25	29.5	14	11	6.5	6.2	9,0°
<b>46200.W0006</b>	60	22.0	73.5	54	29.5	26	87	107	100	87.5	83	20	M16x1,50	37.0	18	13	6.5	8.2	7,5°
<b>46200.W0008</b>	95	24.5	109.0	67	44.0	40	120	145	123	120.5	115	30	M16x1,50	32.0	17	13	6.5	13.2	6,5°