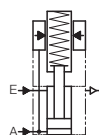


Extending hydraulically - contact by spring force, double acting, max. operating pressure 500 bar



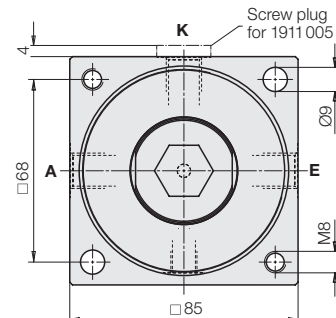
Operating conditions, tolerances and other data
see data sheet A 0.100.



1911 006

Technical drawing of the 1911 006 hydraulic cylinder, showing a side view with dimensions and labels:

- Stroke:** 125 ± 0,7
- Top Port Dimensions:**
 - Port Size: M 78x2
 - Port Thread: SW 36
 - Port Mounting: Contact bolt M12, SW19, hardened
- Body Dimensions:**
 - Top Flange Thickness: 4
 - Body Length: 54
 - Body Diameter: Ø 78-0,1
 - Bottom Flange Thickness: 22
- Internal Features:**
 - Internal Port: M 12
 - Internal Port Mounting: Bleeding screw for 1911 006
 - Bottom Port Mounting: G 1/8 bleeding for 1911 006
- Bottom Flange:**
 - Bottom Flange Thickness: 11
 - Bottom Flange Mounting: G1/4



Bolt Ø	[mm]	40
Stroke	[mm]	18 ^{+0.7} _{-0.6}
Adm. load force	100 bar [kN]	5
	500 bar [kN]	48
Plunger contact force	[N]	50 – 100
Recom. mini. pressure supporting	[bar]	100
Recom. mini. pressure retracting	[bar]	20
Oil volume/stroke	[cm³]	2
Max. flow rate	[cm³/s]	25
Weight	[kg]	4.1

The graph shows a linear relationship between operating pressure and load force for the 1911 005 / 006 model. The x-axis represents operating pressure p in bar, ranging from 0 to 500. The y-axis represents load force in kN, ranging from 0 to 50. The line starts at approximately 50 bar and 0 kN, and ends at 500 bar and 48 kN.

Operating pressure p [bar]	Load force [kN]
50	0
100	8
200	16
300	24
400	32
500	48

Max. elastic deformation s [mm]

Load force F [kN]

$s = 0.001 F$