

No. 6901

Screw Pump

block version and built-in version,
max. operating pressure 350 bar.

Order no.	Article no.	max. operating pressure [bar]	stroke volume per rev. [cm ³]	stroke volume total [cm ³]	Md max. [Nm]	Weight [g]
67819	6901-10	350	2,1	26	50	1524
67835	6901-20	350	2,1	26	50	689

Design:

Housing from steel, hardened and burnished. Threaded spindle hardened and burnished. Screw pump no. 6901-20 is supplied with 2 grooved nuts. Oil supply via threaded port.

Application:

The screw pump is particularly suitable to operate small clamping fixtures.

Note:

For an enclosed circuit the following has to be considered: The hydraulic clamping elements connected to the screw pump have to be hermetically tight. Due to possible leakage of the clamping cylinders during stroke movement and the compressibility of oil (1% at 140 bar), the stroke volume of the screw pump shall be used up to 70% only. The compressibility is being increased considerably by air content in the oil. Therefore the hydraulic system has to be carefully purged of air. An air bled screw at the highest position is a necessity. After returning the spindle of the pump, oil must be refilled at this spot. No air pocket should arise in the hydraulic system, which cannot be purged. A precise pressure control is possible by a manometer only. An electric pressure switch enables a pressure monitoring too. A pressure limiting valve is not suitable. Operating the threaded spindle by a torque wrench is possible. However the pressure should also be checked by a gauge. For the built-in version the mounting torque has to be observed.



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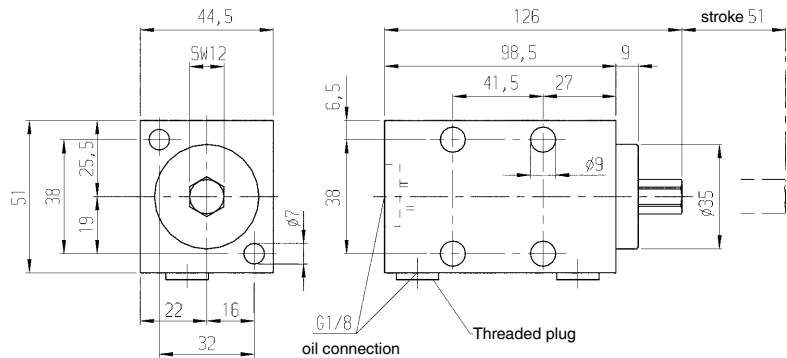


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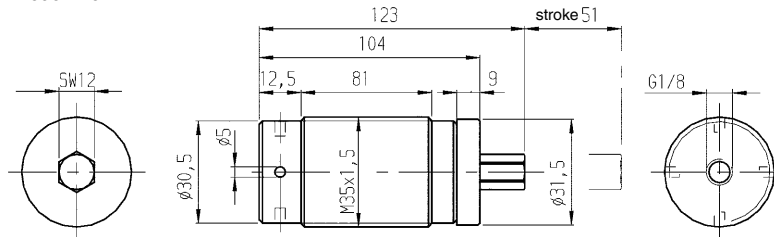
Clamping pressure in relation to torque:

Torque [Nm]	Clamping pressure [bar]
13,5	70
27,0	140
34,0	205
40,5	275
47,5	350

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CAD