

No. 6920G

Hollow Rod Cylinder with internal thread

single acting, spring return,
max. operating pressure 400 bar.



CAD

Order no.	Article no.	push-pull force at 100 bar [kN]	push-pull force at 400 bar [kN]	Stroke H [mm]	Vol. [cm ³]	effective piston area [cm ²]	Spring force min. [N]	Weight [g]
65318	6920G-20	5,0	20	8	4	4,9	200	1000
63032	6920G-32	8,0	32	10	8	8,0	350	1750
65334	6920G-50	12,5	50	12	15	12,8	540	1700
63073	6920G-80	20,0	80	15	30	20,0	750	3900
65359	6920G-125	32,0	125	20	64	32,8	1120	6400

Design:

Cylinder barrel from steel, burnished. Piston and piston rod case hardened and ground. Built-in return spring. Built-in sintered bronze filter. 2 wipers and vent screw. Oil supply via threaded port.

Application:

Particularly suitable for retrofitting existing fixtures for hydraulic actuation. When workpieces are clamped onto a machine tool table, the hollow rod cylinder can be fitted over the clamp bolt instead of the nut. The hollow rod cylinders can be used for push or pull applications.

Features:

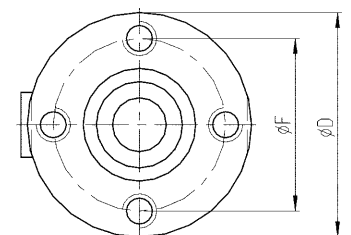
Completely sealed against contamination and chips by means of sinter metal breather and two wipers. Piston can be moved to its end stop. Oil connection at both ends, thus easy lining up in series.

Note:

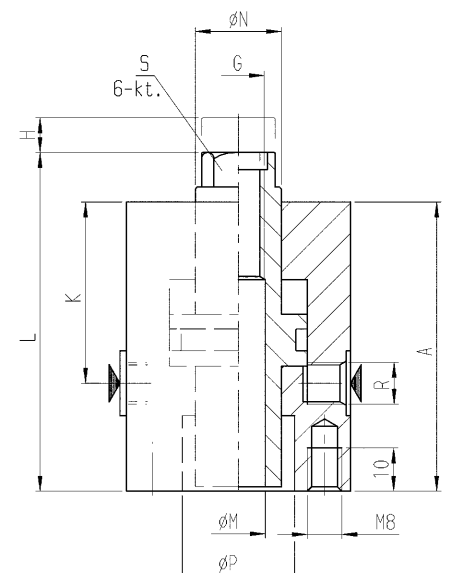
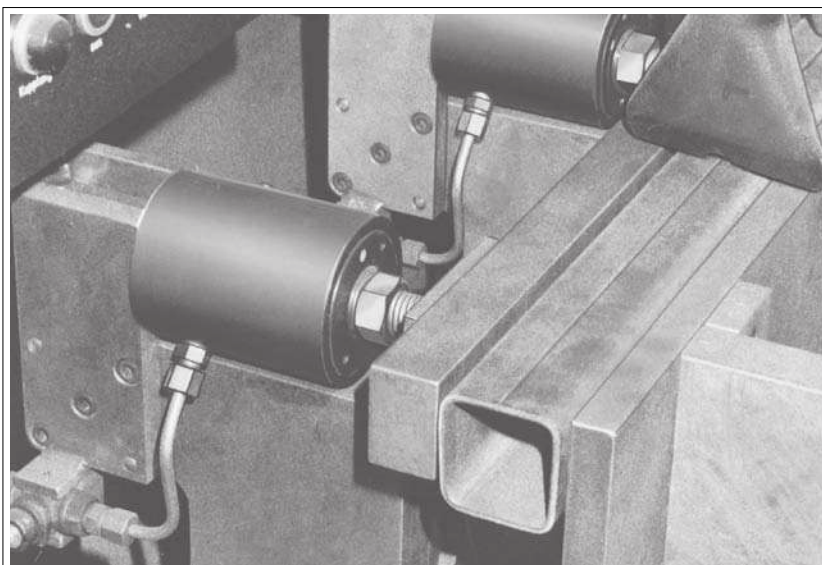
Cylinder size 20 to 50 are designed for use in combination with tempered bolts, material grade 8.8. For size 80 and 125 bolts of material grade 12.9 must be used. For single acting cylinders there is risk of sucking in coolant during the return stroke. In this case the cylinders have to be protected against the direct effect of coolant. The built in sinter metal breather should be protected.

Dimensions:

Order no.	Article no.	Piston dia. [mm]	A	dia. D	dia. F	K	L	dia. M	dia. N	R	dia. P	G x depth	S
65318	6920G-20	32	80	52	40	56,0	90,0	12,5	20	G1/8	27	M12x29	17
63032	6920G-32	40	90	60	44	60,5	101,5	14,5	24	G1/8	30	M14x30	19
65334	6920G-50	48	101	70	50	71,5	113,0	16,5	26	G1/8	35	M16x39	22
63073	6920G-80	60	115	80	60	87,0	132,5	18,5	32	G1/4	38	M18x38	27
65359	6920G-125	75	149	100	75	108,0	163,0	20,5	38	G1/4	49	M20x47	32



Hollow rod cylinder no. 6920G-125 in powder welding system for clamping of U-profile panels.



Subject to technical alterations.