

Threaded body cylinders

with wiper, single-acting, pmax. 500 bar

210-3
Issue: 03/2023

Description:

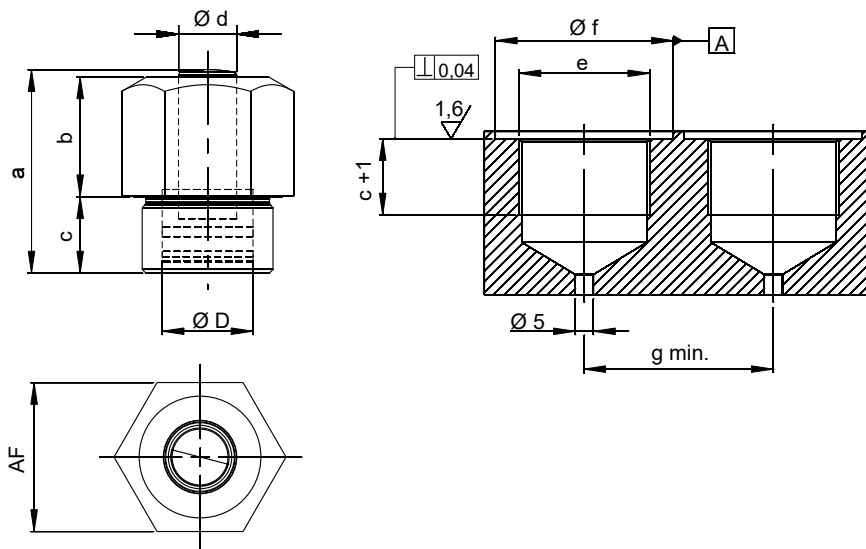
Single-acting threaded body cylinders have to be screwed-in right into the fixture body. Threaded body cylinders have been designed for a maximum operating pressure of up to 500 bar. As standard, they are equipped with a wiper and a reset spring.

The crowned piston rod in combination with the compact design guarantees space-saving installation in the fixture.

Bores allow for easy feed of the pressure medium without exposed feed lines and external screwed connections.

An integrated reset spring pulls the piston back into the non-pressure initial condition.

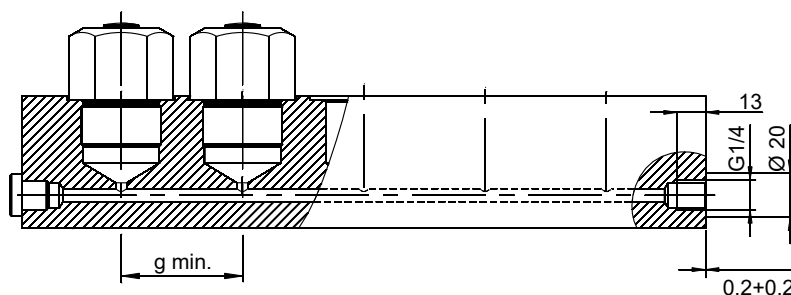
With retracted pistons the threaded body cylinders can not be charged.



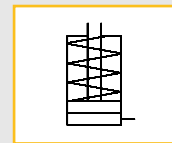
Technical data:

D Piston Ø	[mm]	8	12	16	25	32
d Rod Ø	[mm]	5	8	10	16	20
Stroke	[mm]	4	4	6	12	16
Clamping force 100 bar	[kN]	0,5	1,1	2,0	4,9	8
Clamping force 500 bar	[kN]	2,5	5,6	10,0	24,5	40
Spring reset force min.	[N]	25	32	56	151	183
Oil req./10 mm stroke	[cm³]	0,50	1,13	2,01	4,91	8,04
a ± 0,5	[mm]	27	27	37	56	67
b	[mm]	15	14	21	33	40
c	[mm]	12	12	14	21	25
e	[mm]	M16x1,5	M20x1,5	M24x1,5	M36x1,5	M42x1,5
f Ø	[mm]	23	29	33	49	65
g min.	[mm]	24	30	34	50	66
AF	[mm]	19	24	27	41	55
Torque max.	[Nm]	80	90	110	130	200
Weight approx	[kg]	0,065	0,10	0,17	0,40	0,90
Order number						
with NBR wiper EZY-EM-...		08-04-DP001	12-04-DP001	16-06-DP001	25-12-DP001	32-16-DP001
with FKM wiper EZY-EM-...		08-04-DV001	12-04-DV001	16-06-DV001	25-12-DV001	32-16-DV001

Application example:



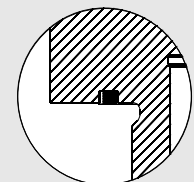
Webcode: 021003



Advantages:

- ☒ Space-saving installation
- ☒ With integrated wiper
- ☒ Oil feed without piping
- ☒ As standard in five sizes available
- ☒ High clamping forces and force density

Sealing:



Threaded body cylinders by HYDROKOMP are metallically sealed by the sealing edge profiled to the cylinder. For that, a rectangular face grinded mount surface within the fixture body is absolutely essential.

Threaded body cylinders with a piston Ø of 32 mm are sealed by an edge sealing (see image below).

We also design and manufacture customized variants!

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Technology that connects