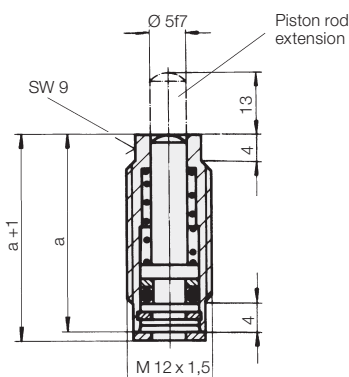
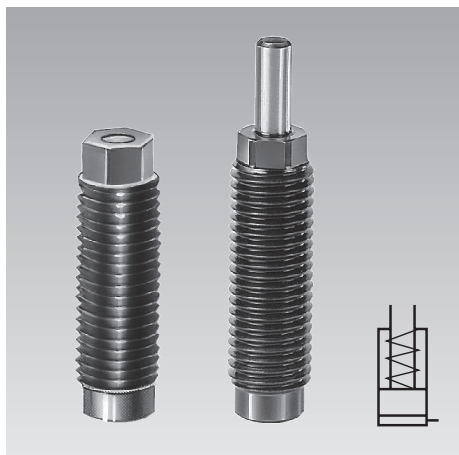


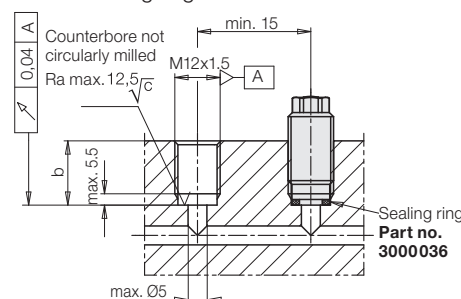


**Threaded-Body Cylinder**  
single acting with spring return  
max. operating pressure 160/500 bar

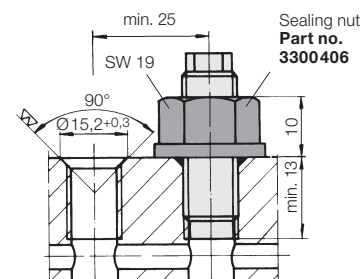


**Installation possibilities and accessories**

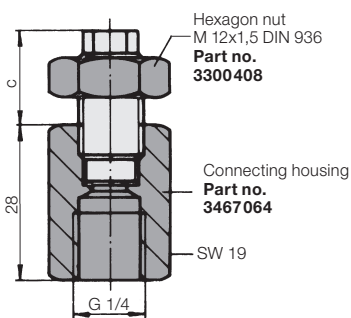
1. Screw-in thread and sealing ring



2. Screw-in thread and sealing nut



3. Connecting housing and lock nut



**Description**

These threaded-body cylinders are particularly suitable for clamping of smaller workpieces in multiple clamping fixtures. The minimum cylinder pitch is only 15 mm.

Sealing is made with the supplied sealing ring in the threaded hole.

The sealing nut, delivered as accessory, allows adjustment of the cylinders 1458002 and 1458012 so that workpiece tolerances of more than 20 mm can be compensated.

Admissible seating torque of the sealing nut 25 Nm!

Threaded in the mounting body the cylinder can also be connected individually. Depending on wall strength and fixing method (thread or bore) a certain adjustment is possible.

Piston Ø	[mm]	8	8
Stroke	[mm]	5	10
Clamping force 100 bar	[kN]	0.5	0.5
at 500 bar	[kN]	2.5	2.5
Min. operating pressure	[bar]	5	5
Oil volume/10 mm stroke	[cm <sup>3</sup> ]	0.5	0.5
Piston area	[cm <sup>2</sup> ]	0.5	0.5
Spring return force, min.	[N]	15	15
a	[mm]	27	40
b	min. [mm]	11	11
	max. [mm]	24	37
c	[mm]	17	30
Max. seating torque	[Nm]	10	10
Weight	[g]	16	24
<b>Part no. - with sealing ring</b>		<b>1458001</b>	<b>1458002</b>
<b>Part no. - with sealing ring and piston rod extension</b>		<b>1458011</b>	<b>1458012</b>

**Version with minimum leakage rate for operating pressure up to 160 bar**  
e.g. for applications with many operating cycles

<b>Part no. - with sealing ring</b>	<b>1458 101</b>	<b>1458 102</b>
<b>Part no. - with sealing ring and piston rod extension</b>	<b>1458 111</b>	<b>1458 112</b>

**Material**

Piston material: casehardening steel, hardened  
Cylinder body: free-cutting steel

**Important notes**

**Threaded-body cylinders must not be subjected to a load in retracted position.**

Cylinders have to be protected against direct influences of aggressive cutting lubricants and coolants.

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

**Installation examples**

