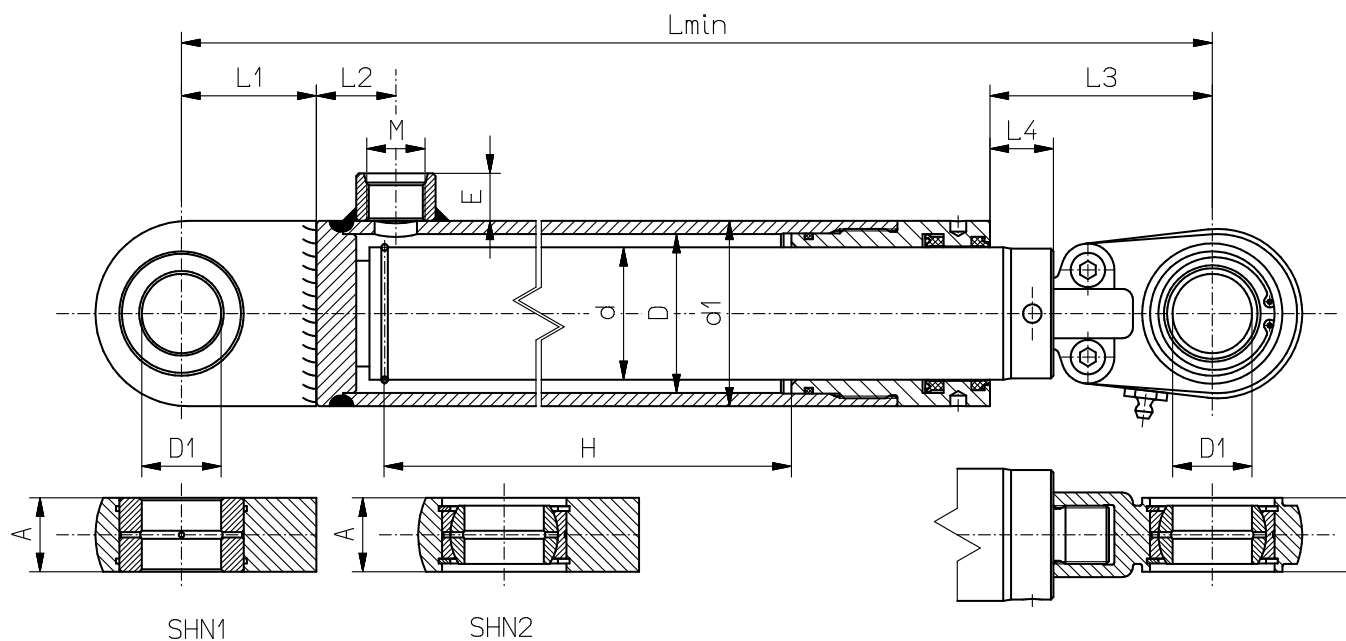


## Hydraulic cylinder with single-end piston rod **SHN1. / SHN2.**



D	d	D1	d1	Lmin	L1	L2	L3	L4	A	M'	E'	M''	E''
40	30	20	50	H + 197	38	30	70	20	19	M16x1,5	18	G1/4"	16
50	40	25	60	H + 210	45	30	70	20	23	M16x1,5	18	G3/8"	17
60	50	30	70	H + 236	51	30	84	24	28	M22x1,5	18	G1/2"	18
70	60	35	85	H + 256	61	30	94	24	30	M22x1,5	18	G1/2"	18
80	70	40	100	H + 304	69	30	109	24	35	M22x1,5	18	G1/2"	18
90	80	40	105	H + 310	69	15	109	24	35	M27x2	23	G3/4"	20

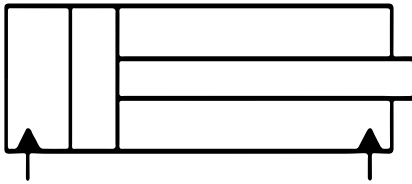
## CYLINDER DESCRIPTION:

Cylinders in which the working motion - extension of the piston - is undertaken as a result of the working medium (e.g. hydraulic oil under pressure) supplied to the cylinder.

The return movement is undertaken under the pressure of external forces (e.g. under the weight of the lifted element) or using a spring.

Such cylinders are divided into piston cylinders and ram cylinders.

Hydraulic diagram:



**example of symbols on the Hydraulic cylinder** with single-end piston rod with articulated mounting (slide plain bearing in the base of the cylinder), construction type C, with a nominal pressure 16 MPa, with a piston rod diameter 100 mm, piston rod diameter 50 mm, actuator stroke 630 mm, with an extended piston rod by 70 mm, Breaking screws of piston from the cylinder base, not regulated from the side of the cylinder head, piston rod ended with screwed-on or screwed-in eye.

### Explanation of symbols:

Operating medium	<b>hydraulic oils with a viscosity of 10 - 450 mm<sup>2</sup> / s</b>
Nominal Pressure	<b>20 MPa</b>
Oil purity class	<b>20/18/15 according to ISO 4406</b>
Operating temperature	<b>-30 to 80 °C</b>
Maximum operating speed	<b>0.5 m/s</b>
Piston rod shell	<b>Technical chrome 25 um +/- 5um (over 20 mm in diameter)</b>

**SHJ2 - 16 - 100/50 - 630/70 - u**

- Piston hydraulic cylinder with single-end piston rod
- Articulated mount
- Nominal Pressure (MPa)
- Piston diameter (mm)
- Piston rod diameter (mm)
- Piston stroke (mm)
- Piston rod extension (mm)
- End of the piston rod with screw-on or screw-in ear