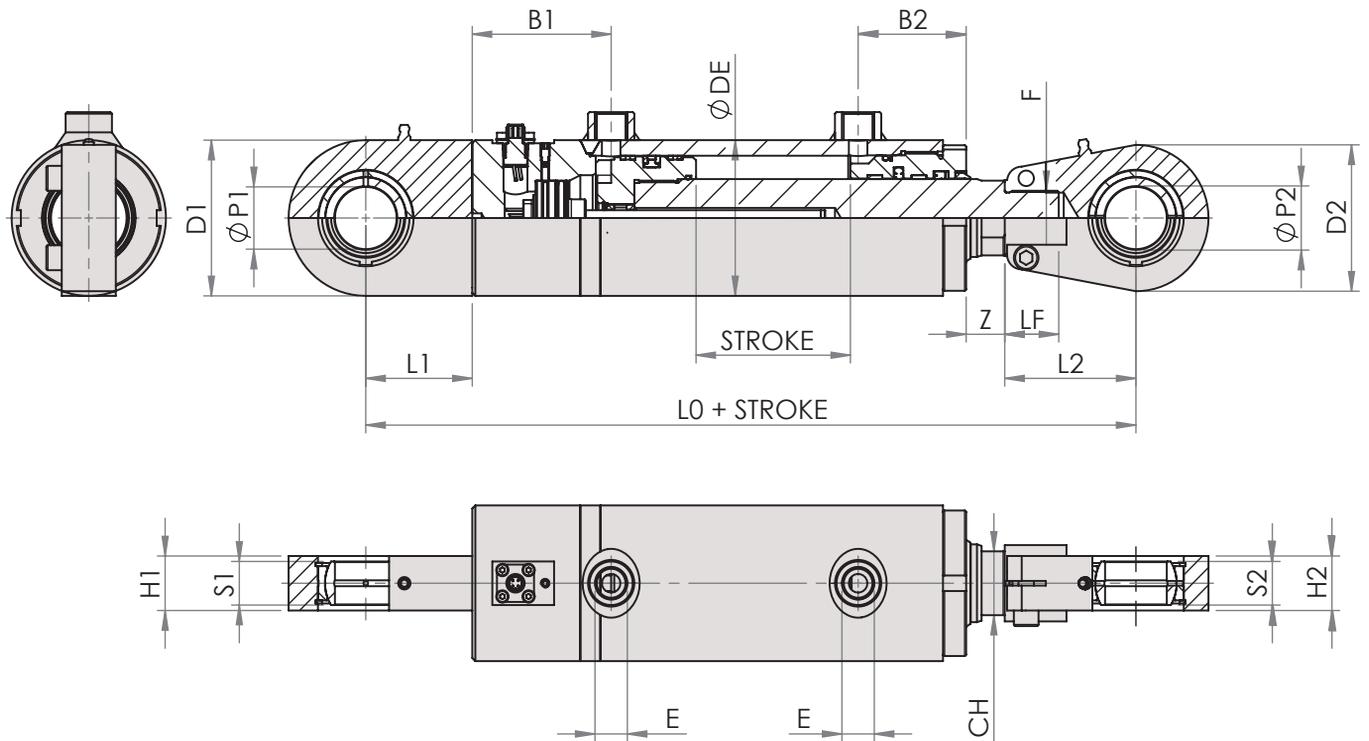




LINE WITH LOCATION SENSORS

MODEL MHP320



Diameter	Rod	DE	E	B1	B2	P1	L1	D1	S1	H1	F	LF	P2	L2	D2	S2	H2	Z	CH	L0
60	35	75	G3/8	100	55	35	61	83	25	30	M28X1,5	28	35	70	83	25	30	25	30	376
60	40	75	G3/8	100	55	35	61	83	25	30	M28X1,5	28	35	70	83	25	30	25	34	376
70	40	85	G3/8	100	60	35	61	83	25	30	M28X1,5	28	35	70	83	25	30	25	34	376
80	50	100	G1/2	100	70	40	69	100	28	35	M35x1,5	35	40	85	100	28	35	25	41	414
90	50	110	G1/2	100	70	40	69	100	28	35	M35x1,5	35	40	85	100	28	35	25	41	414
100	50	120	G1/2	100	70	50	88	123	35	40	M45x1,5	45	50	105	123	35	40	25	46	453
100	60	120	G1/2	100	70	50	88	123	35	40	M45x1,5	45	50	105	123	35	40	25	50	453
120	60	140	G1/2	100	75	60	100	140	44	50	M58x1,5	58	60	130	140	44	50	30	50	515
120	70	140	G1/2	100	75	60	100	140	44	50	M58x1,5	58	60	130	140	44	50	30	60	515
140	80	170	G3/4	110	85	70	115	154	49	55	M65X1,5	65	70	150	154	49	55	30	65	575
140	100	170	G3/4	110	85	70	115	154	49	55	M65X1,5	65	70	150	154	49	55	40	85	585
160	100	190	G3/4	110	95	80	141	180	55	60	M80x2	80	80	170	180	55	60	40	85	641
160	120	190	G3/4	110	95	80	141	180	55	60	M80x2	80	80	170	180	55	60	40	100	641

* Stroke available: from 50 to 1500 mm.



LINE WITH LOCATION SENSORS MODEL MHP320

Product Specifications

Nominal working pressure: 250 bar (25 MPa)

Maximum working pressure: 320 bar (32 MPa)

Liner: E355 SR EN 10305 -1 steel liner, polished inside
Ra<0.4 tolerance H8

End plug: S355JR - ASTM A105 steel

Rod: Steel alloy 42CrMo4 +QT chromed Ra<0.2
tolerance f7 corrosion resistance 200h NSS ISO 9227
(Neutral salt spray fog test) rating > 9 ISO 10289.
Corrosion resistant rods on request 500h, 1000h

Pilot boss: Steel C45.

Piston: Steel C45

Integrated linear location sensor:

Magnetostrictive “no contact” technology guarantees long lasting performance. Connecting system with M12 IP67 connectors. Can be provided with analogue output (in voltage or current) or digital (PWM/CAN/J1939).

For more information please contact our technical office.

Sealing system:

Double rod seal, main one in PTFE + Bronze and secondary one in polyurethane. Piston seal in PTFE + Bronze with energizing ring in NBR90 and anti-extrusion rings in PTFE. Rod and piston seals in phenolic resin. O-rings in NBR70, Anti-extrusion rings in polyester.

Hydraulic testing:

Each cylinder undergoes hydraulic testing at 350 bars (35 MPa) of pressure.

Terms and conditions:

Cylinders are supplied unassembled with feed ports closed with threaded, sealed plugs. Special coatings can be applied on customer request.

Suggested fluid: hydraulic mineral oil,
minimum filtration fineness 19/15 a, ISO 4406.

Operating temperature: from -20°C to 80°C.

It is recommended to maintain fluid temperatures of 40÷50°C while in operation in order to maximize seal life.

Radial load:

prohibited; during use never subject the rod to radial loads.

Welding: do not weld so as not to damage the location sensor.

Coating:

when applying a coating to the cylinder with oven drying the temperature should never exceed 80°C.

If coating is applied with the rod removed, ensure that the rod is well-protected; before reinsertion remove any coating residue on the rod in order to avoid damaging the wiper and rod seal. For powdered or electrostatic coatings, the sensor should be adequately protected from electrostatic loads; please contact our technical office for suggestions.

Warning:

please refer to the product instructions. The manufacturer, aiming to constantly improve the product, reserves the right to modify the product at any time without prior notice.

Warranty: Warranty terms and conditions can be found at the following website: www.oleodinamicafo.com/condizioni_IT.pdf