

- Spring return type single acting cylinders
- A suitable type of clamp head can be selected from six types



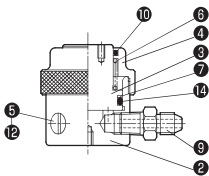
①LHD ②LHC ③LHA ④LHA-25 ⑤LHA-40 ⑥LHAS-2

Specifications

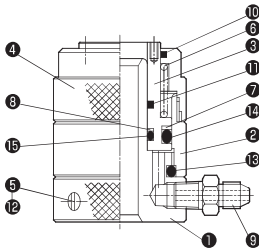
Model number	LHD	LHC	LHA	LHA-25	LHA-40	LHAS-2
Item						
Max. working pressure	17.5 MPa					
Proof test pressure	26.2 MPa					
Working temperature range	+5 to +60°C					
Structure of cushioning	None					
Addaptable fluid	Cosmo New Mighty Super 10 (COSMO OIL)					
Effective stroke mm	6	7	12	24	38	20
Piston pressure receiving area mm ²	570	1340	1460	1460	1460	2640
Max. stroke volume cm ³	4	10.7	19	36.5	58.4	60.7
Spring mounting load N	31.4	56.9	113	134	101	127
Max. spring load N	72.6	90.2	196	226	274	255
Weight kg	0.5	1	2	2.2	2.5	5.2

- These clamp heads are spring return type single acting cylinders and do not have force to return other jigs. Jigs should be returned by external springs or external force.
- These clamp heads cannot be used by the cylinder stopping method. Use them within the effective stroke.
- The hydraulic pressure generated in a cylinder due to the inertia of load must be lower than the proof test pressure.

• LHD • LHC



• LHA • LHA-40
• LHA-25 • LHAS-2



Parts List

No.	Name	Material	Qty.
①	Upper cover	Rolled steel for general structure	1
②	Cylinder	Rolled steel for general structure	1
③	Piston	Carbon steel for machine structural use	1
④	Lower cover	Rolled steel for general structure	1
⑤	Air vent plug	Rolled steel for general structure	1(2)

• The parenthesized value applies to LHAS-2.

No.	Name	Material	Qty.
⑥	Return spring	Piano wire	1
⑦	Backup ring for piston shield	Fluororesin	1
⑧	Backup ring for piston	Fluororesin	1
⑨	Hydraulic joint	Rolled steel for general structure	1

Seal List

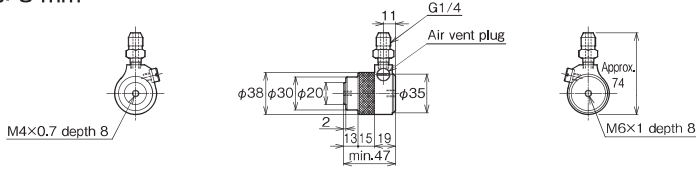
Name	⑩	⑪	⑫	⑬	⑭	⑮
	Lower cover wiper	Piston wiper	O-ring for air vent plug	O-ring for upper cover	O-ring for piston shield	O-ring for piston
Material	Leather	Leather	Nitrile rubber	Nitrile rubber	Nitrile rubber	Nitrile rubber
Model number	Qty.	Qty.	Qty.	Qty.	Qty.	Qty.
LHD	26×20×2.5	—	P-7	—	AS568 211	—
LHC	35×30×2.5	—	P-7	—	AS568 220	—
LHA	45×40×2.5	32×26×3	P-7	AS568 327	AS568 326	AS568 215
LHA-25	45×40×2.5	32×26×3	P-7	AS568 327	AS568 326	AS568 215
LHA-40	45×40×2.5	32×26×3	P-7	AS568 327	AS568 326	AS568 215
LHAS-2	55×61×2.5	44.2×52×2.5	P-7	AS568 335	AS568 333	AS568 327

LHAS/PKS-2

(Note) The O-rings for piston shield and O-rings for piston are provided with backup rings designed for their sizes.

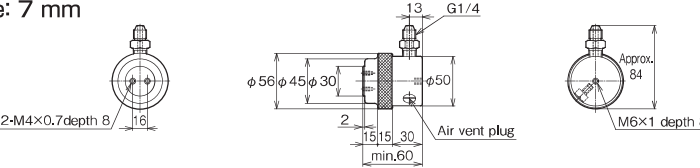
LHD

Effective stroke: 6 mm



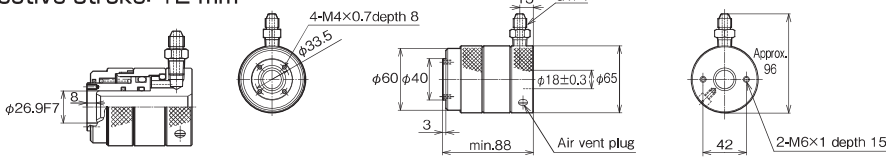
LHC

Effective stroke: 7 mm



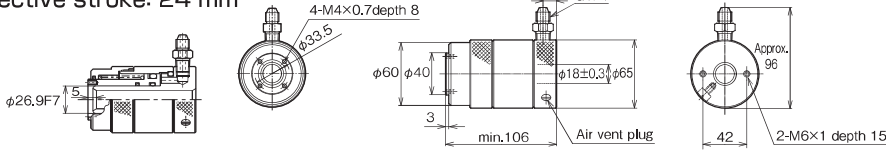
LHA

Effective stroke: 12 mm



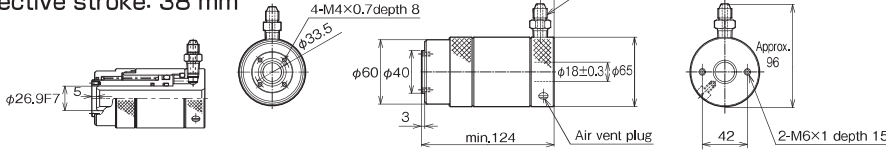
LHA-25

Effective stroke: 24 mm



LHA-40

Effective stroke: 38 mm



LHAS-2

Effective stroke: 20 mm

