

General

Rodless cylinder based on the stainless steel strip sealing technology widely used and tested on bigger bore sizes. Available versions: sliding shoe as standard ("MH").

This system ensures high resistance and long life as the carriage which supports the weight is not tied to the piston and therefore the piston only transfers the movement without bearing any force.

Air connections: M5 threaded connections.

All air connections on one end cap version available. (side-back-bottom side) Mountings:

- Foot brackets and intermediate supports if needed (depending on the stroke)

- Swivel bracket

- Directly in position via the slot on the end caps- in this conditions the air supply can come directly from the mounting plate.

Magnetic sensors: sensors series (1590...., LRS.... and LHS....) can be used directly in the 2 slots on the barrel.

Construction characteristics

End covers	Anodised aluminium
Barrel	Anodised aluminium
Bands	Stainless steel
External carriage	Anodised aluminium
Sliding bushes	Special technopolymer
Piston	Acetal resin
Cushion bearings	Aluminium
Piston seals	Special NBR
Other seals	NBR

Technical characteristics

Fluid	Filtered and lubricated air
Working pressure	1,5 - 8 bar
Working temperature	-5°C - +70°C
Max. speed	1 m/s (normal working conditions)
Max. stroke	2,5 meters
Cushioning length	18 mm

Please follow the suggestions below to ensure a long life for these cylinders:

•use clean and lubricated air

- Please adequately evaluate the load involved and its direction, especially in respect to the moving carriage (also see tables for loads and admitted moments).
- avoid high speeds together with long strokes and heavy loads: this would produce kinetic energy which the cylinder cannot absorb, especially if used as a limit stop (in this case use mechanical stop device)
- evaluate the environmental characteristics of cylinder used (high temperature, hard atmosphere, dust, humidity etc.)

Please note: air must be dried for applications with lower temperature.

Use hydraulic oils H class (ISO VG32) for correct continued lubrication. Our Technical Department will be glad to help.

For applications where a low smooth uniform operations speed is required, you must specify this on your purchase order so that we can use the proper special grease.

Use and maintenance

This type of cylinder, due to its characteristics, has to be used within certain criteria. Correct use will give long and troublefree operation. Filtered and lubricated compressed air reduce seal wear. Verify that the load will not produce unforeseen stresses. Never combine high speed with heavy load. Always support the long stroke cylinder with intermediate brackets and never exceed the specified working conditions.

If maintenance is required, follow the instructions supplied with the repair kit.





Rodless cylinder Ø16

Series 1600





Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice.

mounted from the top and positioned via the built in screw.

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