

Synchronised Rodless Cylinder

Ø 40 mm

For synchronised bi-parting movements

Type OSP-P40-SL-BP



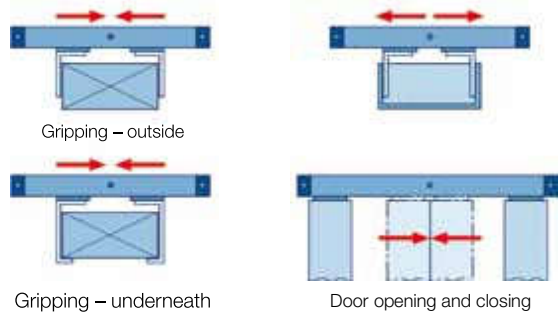
Applications:

- Opening and closing operations
- Gripping of workpieces – outside
- Gripping of hollow workpieces – inside
- Gripping underneath larger objects
- Clamping force adjustable via pressure regulator

Features:

- Accurate bi-parting movement through toothed belt synchronization
- Optimum slow speed performance
- Increased action force
- Anodized aluminium guide rail with prism-form slideway arrangement
- Adjustable polymer slide units
- Combined sealing system with polymer and felt elements to remove dirt and lubricate the slideway
- Integrated grease nipples for guide lubrication

Applications:



Characteristics	Description
General Features	
Type	Rodless cylinder for synchronised bi-parting movements
Series	OSP-P
System	Double-acting with end cushioning for contactless position sensing
Guide	Slideline SL40
Synchronisation	Toothed belt
Mounting	See drawings
Ambient temperature range	-10 °C to +60 °C
Installation	In any position
Medium	Filtered, unlubricated compressed air (other media on request)
Lubrication	Special slow speed grease - additional oil mist lubrication not required
Operating pressure p_{max}	6 bar
Cushioning middle position	Elastic buffer
Max. speed v_{max}	0.2 m/s
Max. stroke of each stroke	500 mm
Max. mass per guide carrier	25 kg
Max. moments on guide carrier	
Lateral moment Mx_{max}	25 Nm
Axial moment My_{max}	46 Nm
Rotating moment Mz_{max}	46 Nm
Material	
Toothed belt	Steel-corded polyurethane
Belt wheel	Aluminium

For more technical information see catalogue P-A4P011GB