



## Rodless Pneumatic Cylinders Magnetically Coupled

P1Z Series

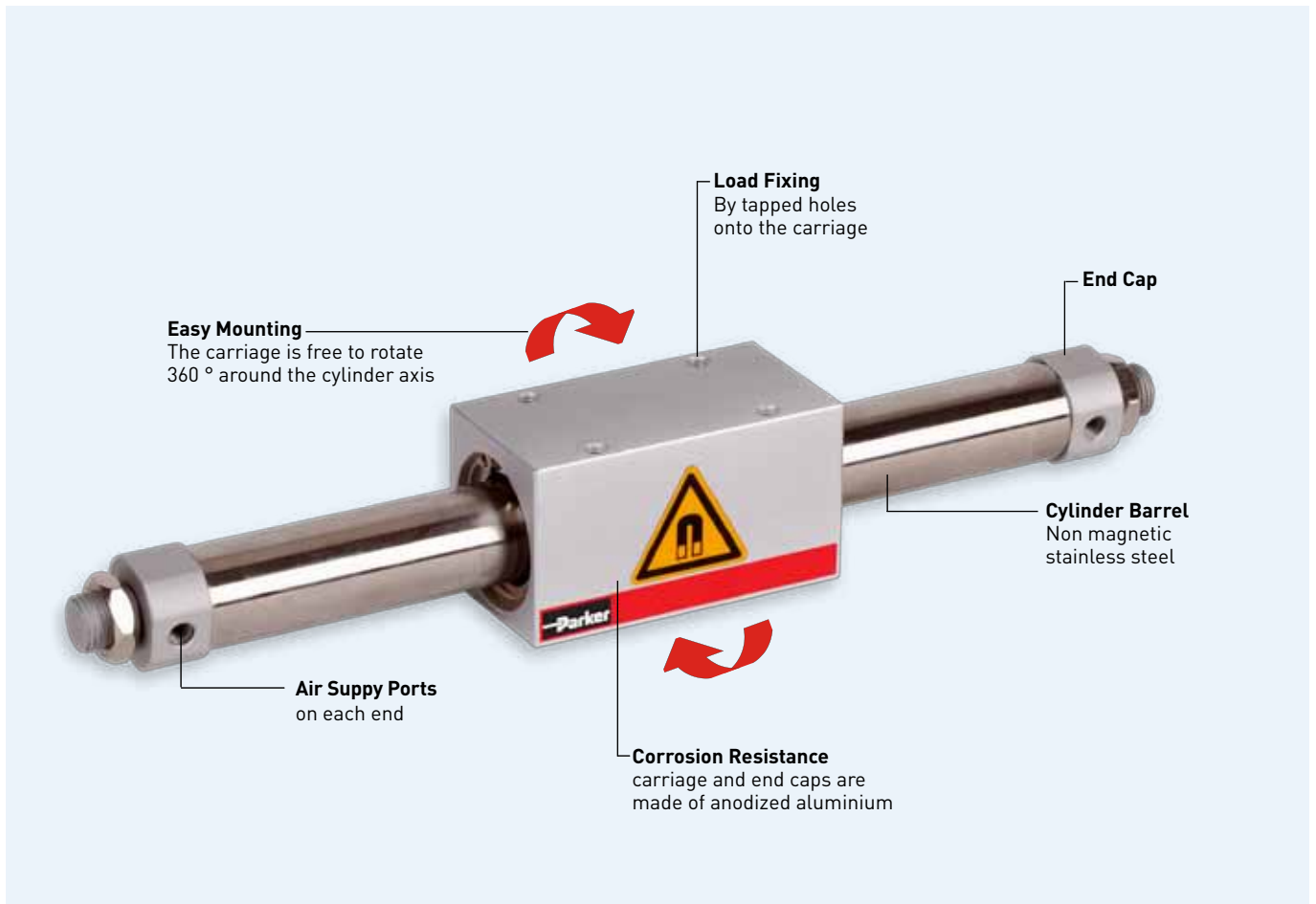
aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
**pneumatics**  
process control  
sealing & shielding



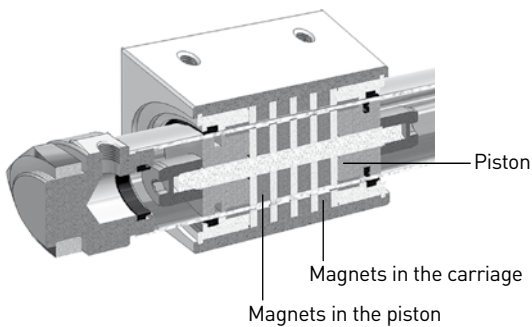
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# Rodless Pneumatic Cylinder

## Basic Version



### Cross Section



### Options



- Foot Mounting



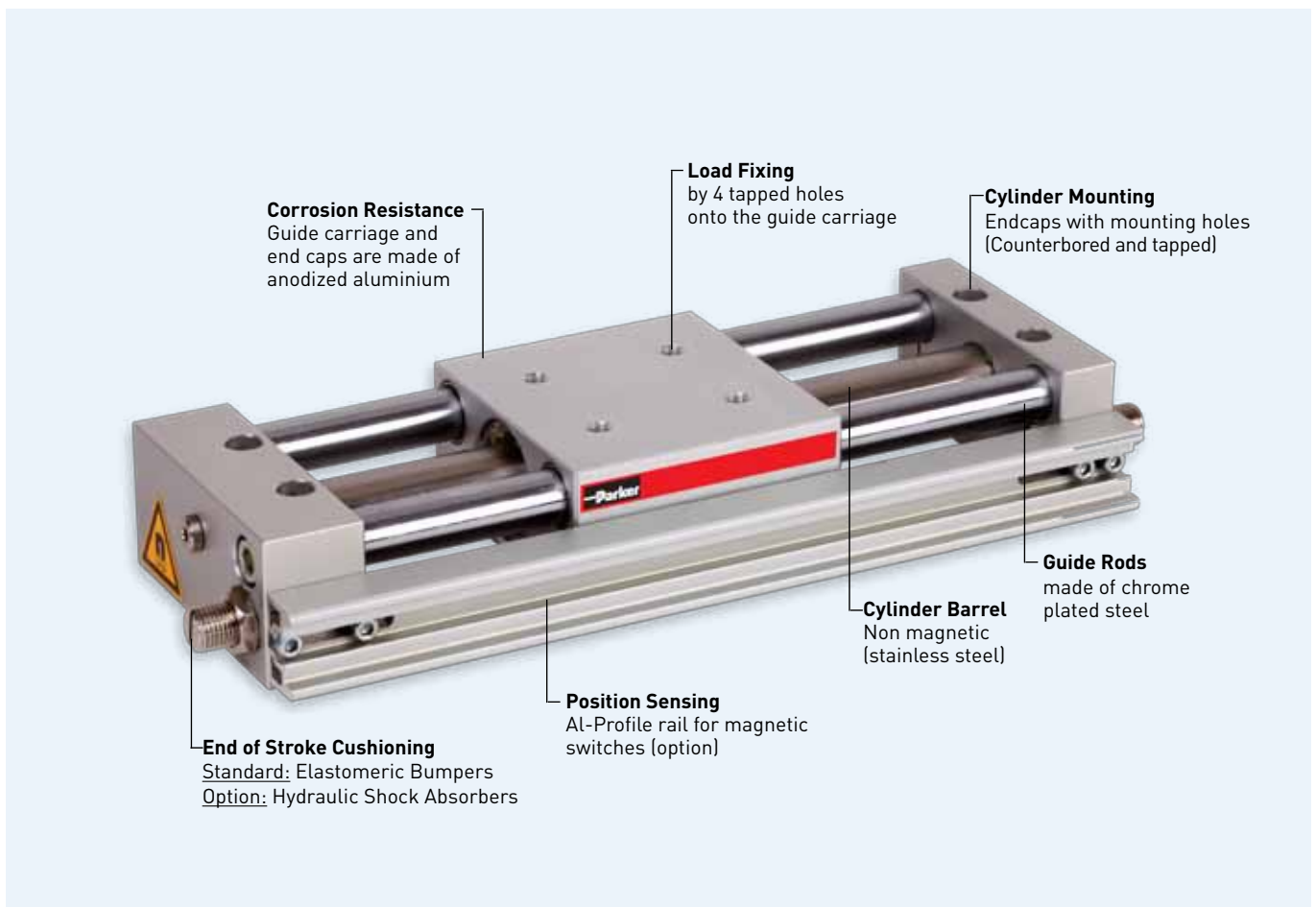
- Flange Mounting

### Basic Version

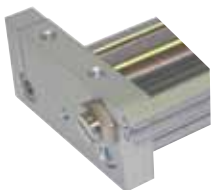
Piston Diameter [mm]	16	20	25	32	40
Max. Stroke Length [mm]	1000	1500	2000	2000	2000
Air Supply Port Size	M5	G1/8	G1/8	G1/8	G1/4
Operating Medium	filtered compressed air, dry lubricated or unlubricated (other media on request)				
Min. / Max. Operating Pressure [bar]	1.8 to 6.5	1.8 to 7			
Temperature Range [°C]	0 to 60				
Velocity Range [m/s]	0.05 - 1.3				
Theoretical Force at 6 bar [N]	120	188	295	483	754
Max. Magnetic Coupling Force [N]	157	236	383	703	942

# er Magnetically Coupled P1Z

## Guided Version

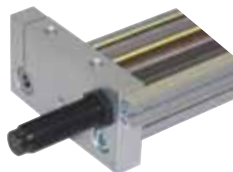


### Elastomeric Bumpers



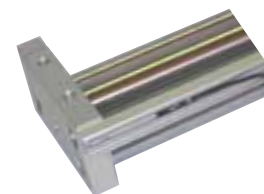
- Elastomeric bumpers for light loads

### Hydraulic Shock Absorbers



- Highly efficient cushioning
- For medium and heavy loads

### Position Sensing



- Magnetic switches can be moved in the profile rail along the entire stroke length
- The rail is located on the same side as the end of cushioning elements

### Guided Version

Piston Diameter [mm]	16	20	25	32	40
Max. Stroke Length [mm]	750	1000	1500	1500	1500
Air Supply Port Size	M5	G1/8	G1/8	G1/8	G1/4
Operating Medium	filtered compressed air, dry lubricated or unlubricated (other media on request)				
Min. / Max. Operating Pressure [bar]	2.3 to 6.5	2 to 7			
Temperature Range [°C]	0 bis 60				
Velocity Range [m/s]	0.05 - 0.04				
Theoretical Force at 6 bar [N]	120	188	295	483	754
Max. Magnetic Coupling Force [N]	157	236	383	703	942

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