

PHIDRIVE

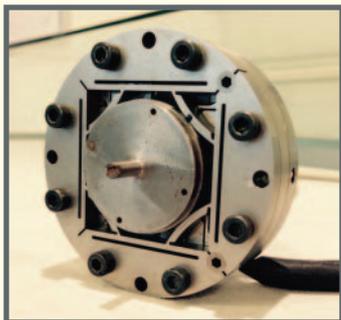
By **CS**
People Making Business

Innovative Technology for linear and rotary drives



8DRIVE

Piezo Rotative Driving



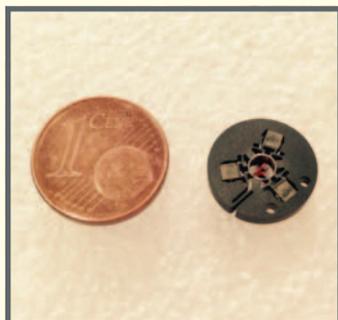
The innovative technology for linear and rotary drives compatible with piezoelectric, pneumatic and solenoid actuators.

Energy saving and oil free.

Easy developing and dimensioning to customer specifications.

AG RP

Piezo Rotative Driving

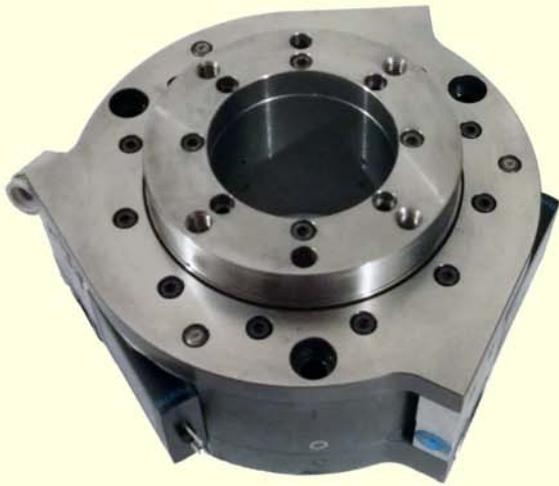


Showing the drives created by our patent and winner of many awards.



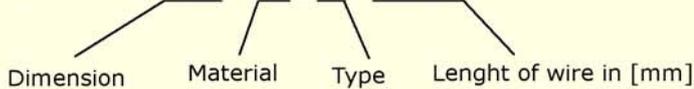
Award of the ITALIAN REPUBLIC INNOVATION 2013
Winner of Italian National Industrial Innovation
Winner of 2 Start Cup
Winner 2 Special Innovation Award

AG PNE - HIGH PRECISION PNEUMATIC POSITIONING



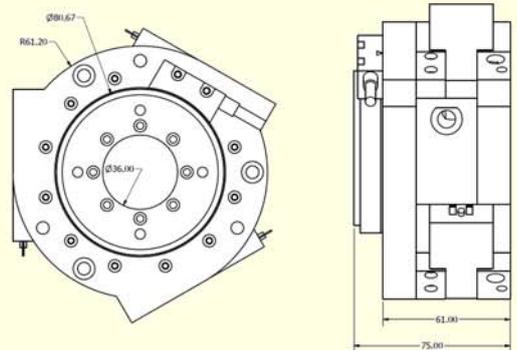
- Pneumatic Actuator with high precision
- 360 ° controllable indexed pitch
- Dimensions minimized innovative design
- Compact Size
- Precision positioning
- No backlash motion
- Remains stationary if disconnected
- Easy to install
- No gear
- No maintenance
- No electromagnetic interference
- No OIL

AGPNE - XX - X -X -XXX



DIMENSION

	External Diameter \varnothing_e [mm]	Internal Diameter \varnothing_i [mm]	Height [mm]
AG PNE A	120	36	75
AG PNE B	160	46	
AG PNE C	200	56	
AG PNE US (ultra slim version)	60	30	18

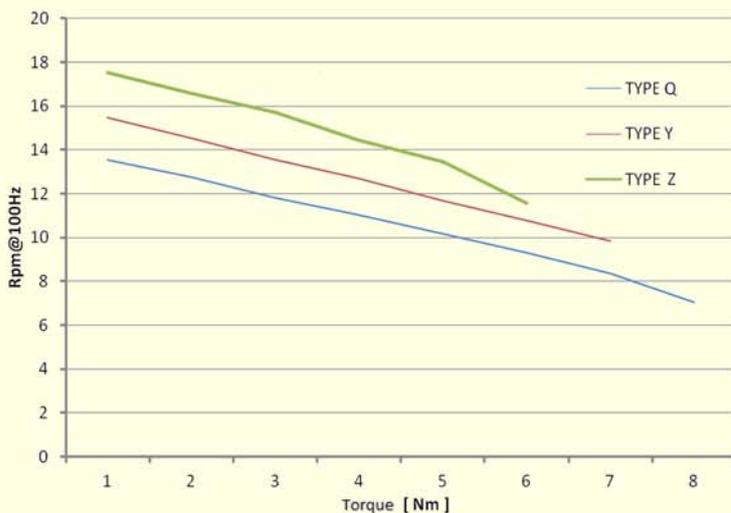


MATERIAL

The range offers a light version for applications requiring lower weights.

Material	
Steel 5 kg	Aluminum 1-2 Kg
ST	AL

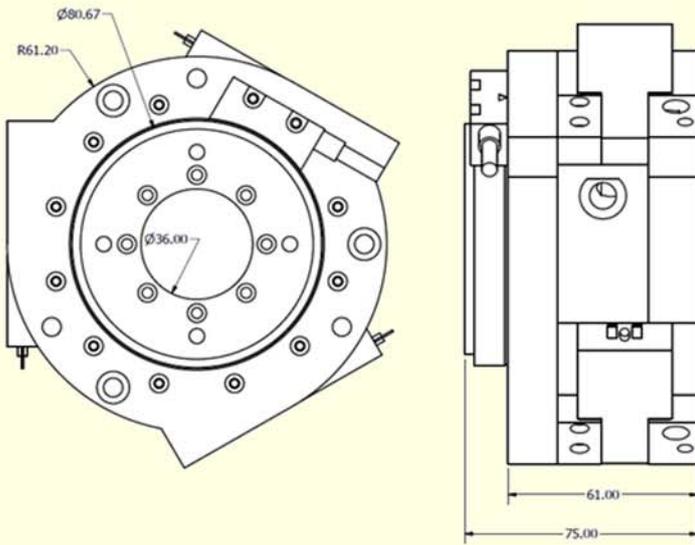
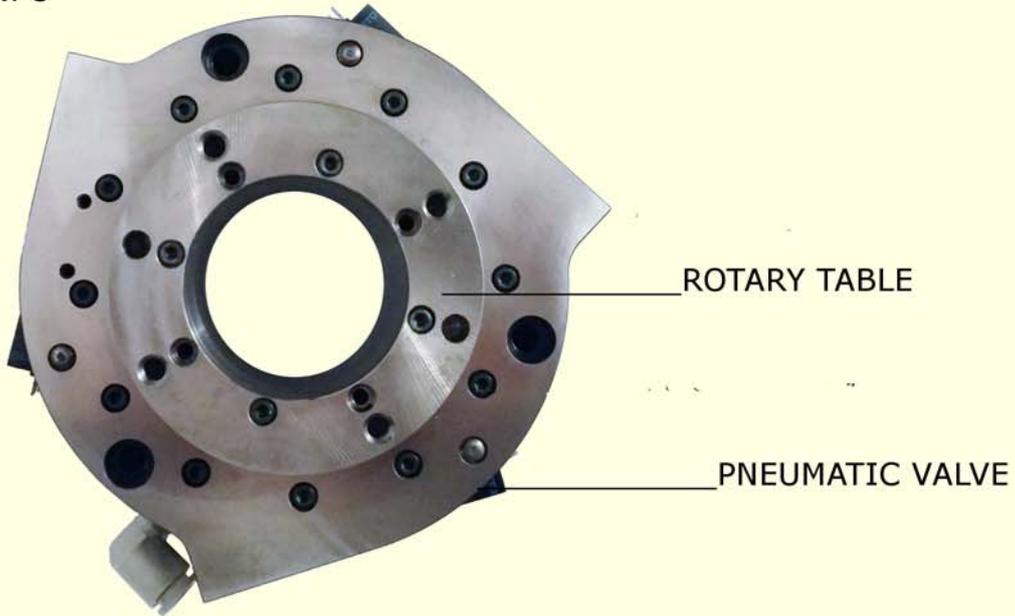
PERFORMANCE



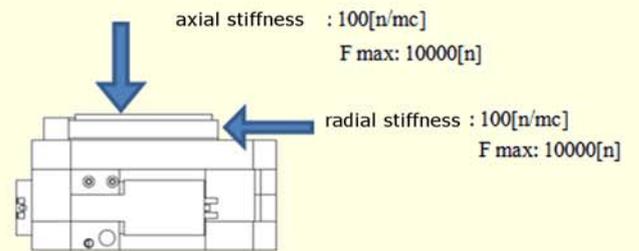
	Type Q	Type Y	Type Z
Pressure	[Bar] 5.5		
Ring thickness	[mm] 3.2	3.1	3.0
Max Torque	[Nm] 8	7	6
Torque Motor switch Off	[Nm] 20	17	14
Accuracy	+/- 50''	+/- 50''	+/- 50''

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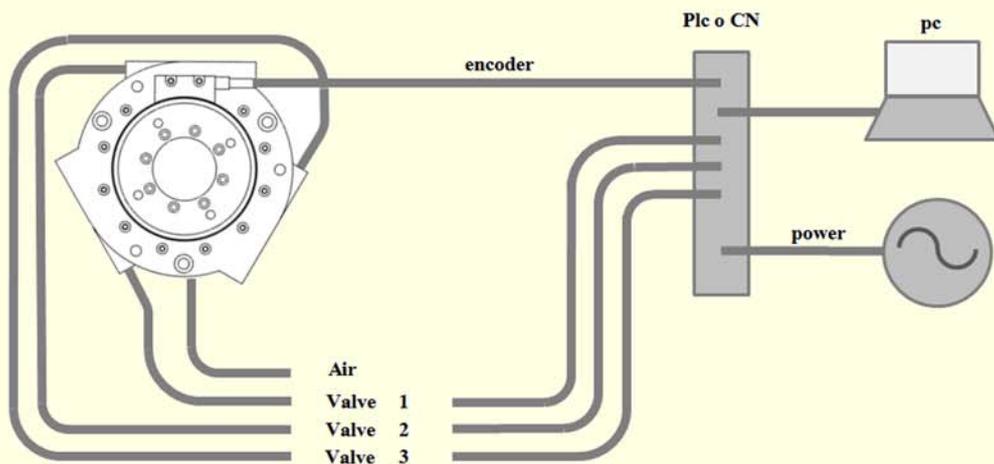
CONTROL INFO

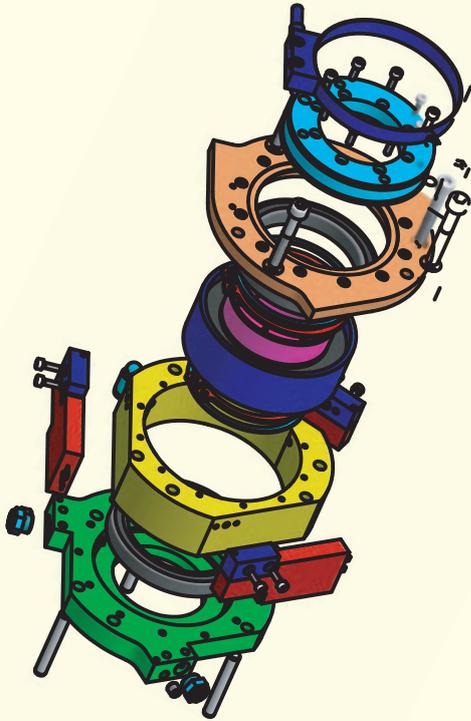


Valve	Festo mh2
Encoder *	amo ring wmr-100256
Ball bearing	Ina 32010-X



(*optional function)





Topic Advantages:

- High precision in placement
- Scale down to very small size
- Rapid customization
- 100% recyclable, oil free
- Energy saving
- Rotor with thru hole
- No gear
- No backlash motion
- No mechanical brakes
- Compact size
- Accidental shock-resistant

Application fields:

- **Optics, microscopy**
Precise movement of lenses, diaphragms
- **Biomedicine**
Movement of small-size endoscopes
Pollution free devices - free oil
- **Metrology**
Precise movement probes
Need for motors that can work as sensors as well
- **Automation**
Proportional valves
High dynamic devices

