

#### 1 - BODY MANUFACTURED FROM EXTRUDED ALUMINIUM UNI 6060

- Hard-coat anodized as standard finish 45-50 (micron).
- Good wear resistance.
- High corrosion resistance.
- Special finishes nickel-plating or PTFE coated for corrosive environments upon request.
- Bore finished to high standard to ensure low friction and long life.

#### 2 - CONCENTRIC SPRING SETS

- Standard coating painted.
- High resistance and reliability.
- Spring sets to suit different air pressure/torque requirements.
- Long securing screws to allow safe dismantling for maintenance.
- Same body dimensions for DA/SR versions.

#### 3 - DIE CAST ALUMINIUM END CAPS

- Standard polyester powder coated.
- Special finishes nickel-plating or PTFE coated for corrosive environments upon request.

#### 4 - ASSEMBLING SCREWS

- Stainless steel as standard.

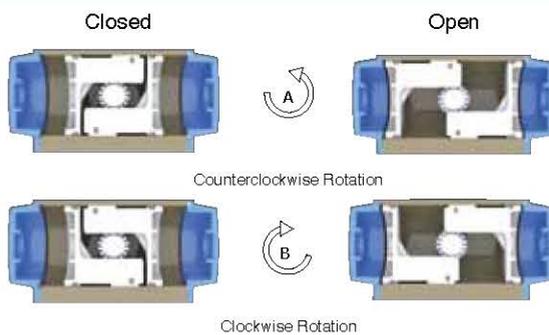
#### EXTERNAL CONNECTION

- Top of pinion according to Namur norm.
- Solenoid valve connection according to Namur norm.
- Bottom of pinion according to ISO 5211-DIN 3337.

#### NOMINAL VALUES

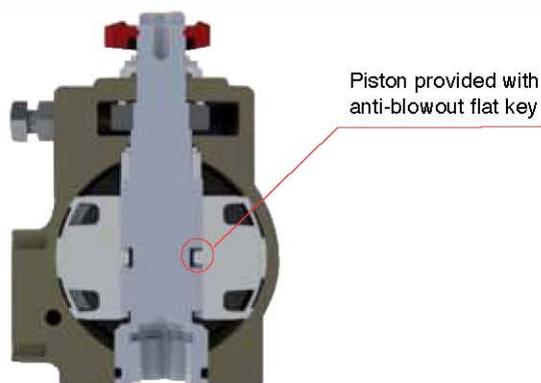
- Pressure rating max 8 bar.
- Working temperature: standard (-20°C; +85°C), high (-20°C; +150°C), low (-40°C; +85°C).
- Lubrication guaranteed for the entire actuator lifetime.
- 100% fully tested on manufacture.

### MOUNTING VARIATIONS



View from the top of the pinion

### ANTI-BLOWOUT SYSTEM



#### 5 - PINION MADE IN STEEL

- Nickel-plated against internal and external corrosion for standard version.
- Stainless steel upon request.
- Anti-blowout design.

#### 6 - CAM FOR LIMIT POSITION ADJUSTMENT 0°-90°

- Stainless steel.
- Adjustment for open and close position  $\pm 5^\circ$ .

#### 7 - 0-90° ADJUSTMENT SCREWS

- Stainless steel.

#### 8 - PISTON GUIDES IN POM

- Large contact area.
- Low friction for self lubricating material.
- Long life.

#### 9 - PISTONS MADE FROM DIE CAST ALUMINIUM

- Chemical nickel-plating upon request.

#### 10 - SEALS

- Standard version: NBR.
- High temperature version: Viton.
- Low temperature version: silicone.

#### TWIN RACK AND PINION DESIGN

- Constant torque output.
- Compact design.
- Balanced internal forces.
- Robust design to ensure long life.