Save costs and energy with the right adjustment

Selected products with adjustable cushioning:

- **ISO mini cylinders**
  series MNI, ISO 6432, Ø 10–25 mm
- **Round cylinders**
  series RPC, Ø 32–63 mm
- **ISO standard cylinders,**
  series PRA/TRB, ISO 15552, Ø 32–125 mm
- **ISO tie rod cylinders,**
  series ITS, ISO 15552, Ø 160–320 mm
- **Rodless cylinders,**
  series RTC, Ø 16–80 mm

Advantages

- **Productivity** – faster cycle times thanks to greater speed in reaching the end position
- **Reduced energy consumption** – smaller cylinders with the same cushioning performance
- **Smooth-running** – fewer vibrations and less noise
- **Cost savings** – possible to select smaller and more economical cylinders, valves, and peripherals

www.aventics.com/
cushioning

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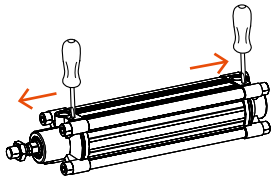
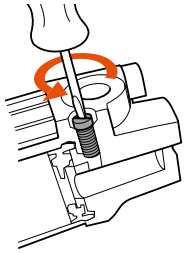
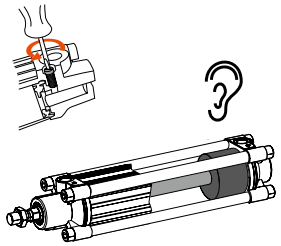
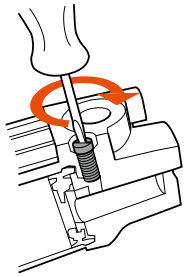
Rexroth
Pneumatics

CYLINDERS
CUSHIONING
ADJUSTMENT MADE EASY

Rexroth
Pneumatics

Adjusting the cushioning

Throttle screw tightened

A	B	C	D
			OPTIMAL STATE	
Cushioning always has to be adjusted on both sides of the cylinder. There is no specific order for adjustment. → Piston rod retracting ← Piston rod extending	Slowly loosen the throttle screw. The piston impact becomes louder.	Continue to loosen the throttle screw **anyway**.	Continue to loosen the screw until the piston impact on the cushion is barely audible.	If the noise level of the piston impact increases again: Tighten the throttle screw until the noise level decreases again.
Piston impact noise level				
Vibration behavior of the moving mass				

Observe the cylinder load limits! For more detailed information on the load limits, see the online catalog at www.aventics.com/pneumatics-catalog.

Throttle screw loosened