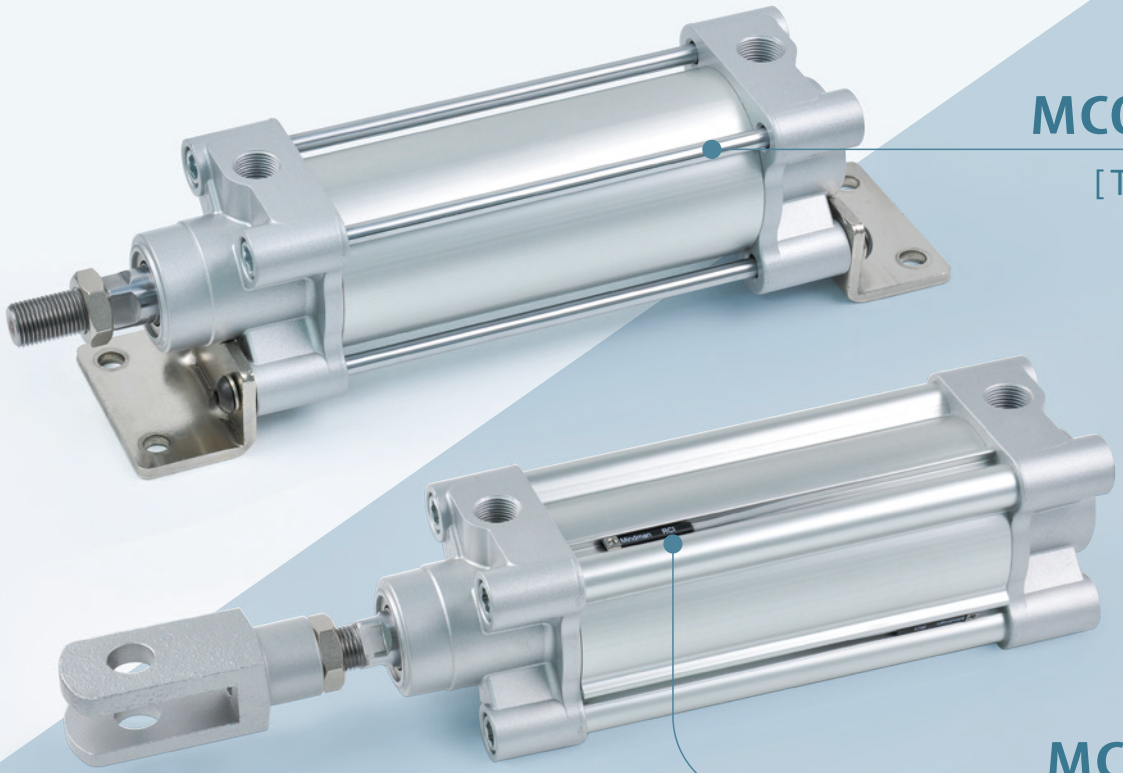
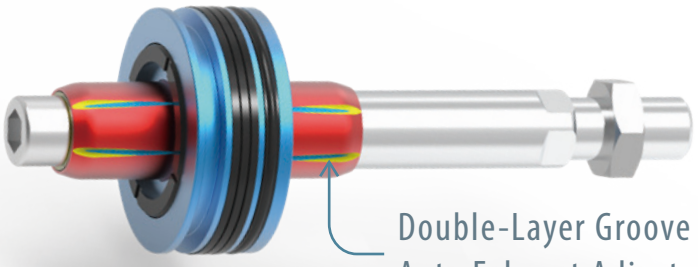
ISO 15552

Auto Air Cushioning
STANDARD CYLINDER



MCQV3 series
[Tie Rod Type]

MCQI3 series
[Sensor Embedded Type]



MODEL PATENT

Double-Layer Groove Design
Auto Exhaust Adjustment

15%
Reduced Noise

15%
Reduced Impact Force

20%
Reduced Cushioning Time

20%
Reduced Weight

mindman

ISO 15552 STANDARD CYLINDER Auto air cushioning

1 Contoured Exhaust Groove

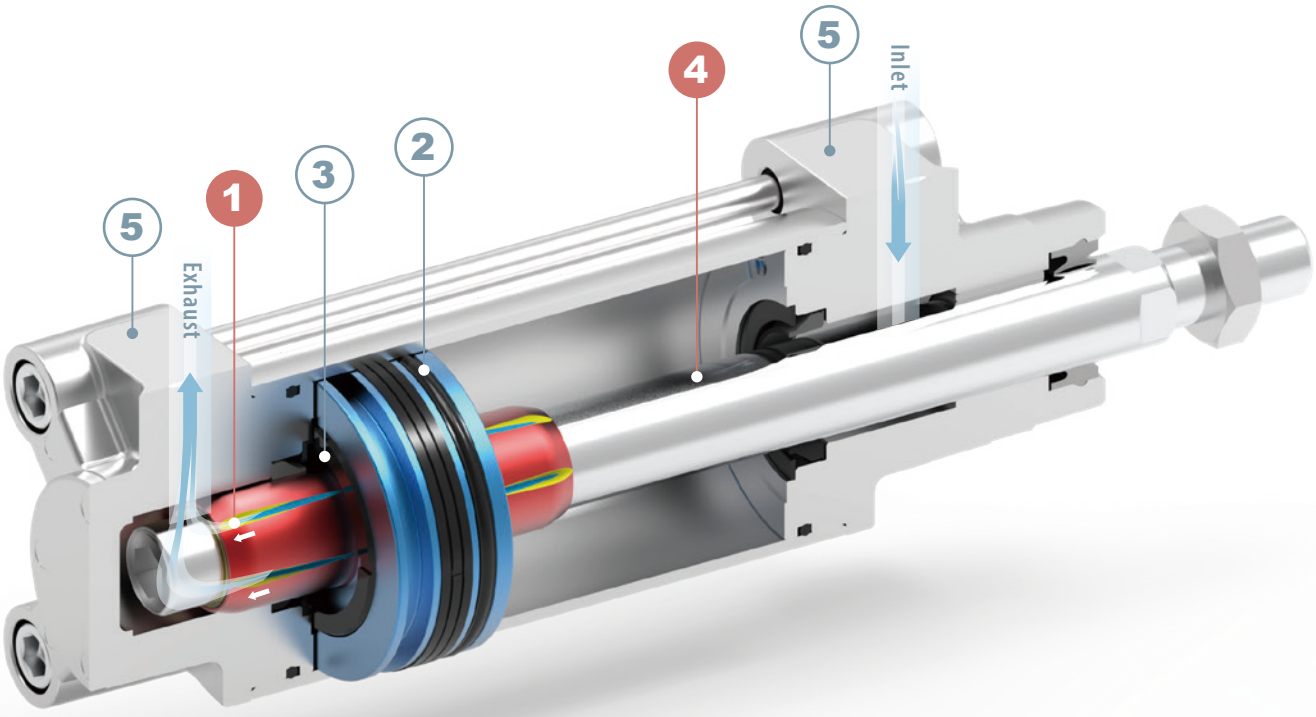
- Automatic Exhaust Adjustment
- No Air Cushion Adjustment Required
- Innovative Groove Design
- Patented Structure

2 Modular Components

- Shared parts across product lines
- Enhances assembly stability
- Option for non-rotating, rod-locking design

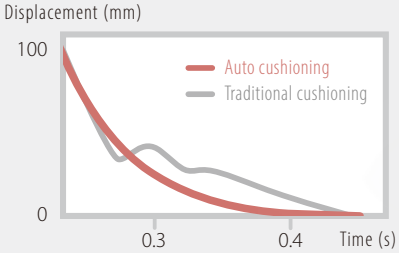
3 Reduced Noise

- Cushion pad for sound and vibration reduction
- 15% less noise (no load, 500mm/s speed)



4 Low Impact & Shock

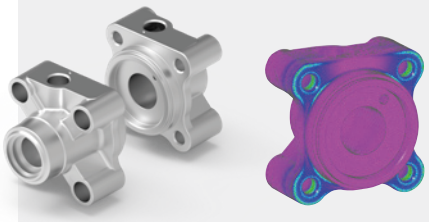
- 20% less cushioning time
- 15% less impact force
- Stable and smooth
- Faster positioning



* The rod movement does not rebound

5 Strength & Flexibility

- Innovative appearance
- Maintaining structural rigidity
- 20% lighter (MCQ*2 → MCQ*3)



Weight Reduction Stress Analysis

Eco-Friendly

- RoHS Compliant
- Major parts are mold-made, reducing carbon emissions

Video