

HOERBIGER-ORIGA cylinders provide market leading performance and reliability, as standard cylinders or as specially developed customer solutions. Standard ISO and VDMA series guarantee trouble-free interchangeability

Designs

- Double and single acting
- Available with and without adjustable end cushioning
- With magnetic pistons for non-contact position sensing
- Designs include: through-rod, multi-position, non-rotation and blocking versions, see page 12-13

Advantages

- Low breakout pressures, due to low friction sealing elements and guides
- Extremely compact position sensors
- Standard corrosion resistant aluminium barrel and stainless piston rods
- Versions with single-end air connections, for flexible and convenient installation
- Non-rotating series and guided versions for precise guidance and for accommodating high side loads
- Integrated blocking and locking devices for optimised safety

Technical data

Characteristics	Description
Type	Piston rod cylinder
Diameter	2.5 – 250 mm
Working pressure range	0.5 – 10 bar depending on series
Temperature range	-10 – +70 °C or -20 – +80 °C depending on series High temperature designs on request
Stroke lengths	Commercially available standard stroke lengths max. stroke lengths according to load diagram
Action force	0.026 – 26.5 kN at 6 bar, depending on diameter

AZ series cylinder „Topslide“

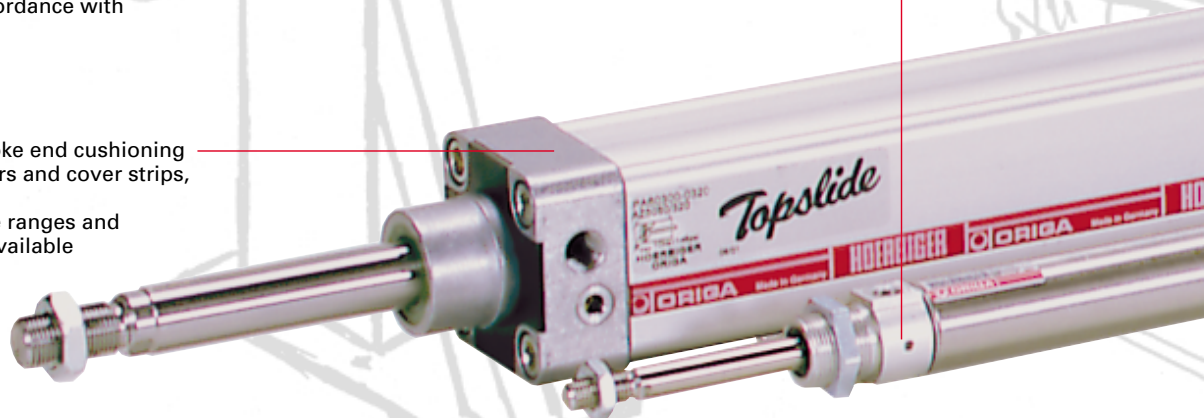
Standard cylinder series in accordance with ISO 6431 / VDMA 24562

- ø 32 – 100mm
- Large bearings
- Low breakout pressure
- Single-end air connection
- Precisely adjustable, long stroke end cushioning
- Colour co-ordinated end covers and cover strips, for private label possibilities
- Versions for high temperature ranges and low pressure hydraulics are available

R- series cylinders in accordance with ISO 6432

Space saving , economic cylinders with high performance capabilities

- ø2.5 – 63mm
- single and double acting
- with non-contact position sensing



Benefits

- Long service life
- Exceptionally smooth operation, even at low pressures
- Compact design
- Very low maintenance
- Optimum interchangeability, due standard mountings in accordance with ISO / VDMA
- Easy installation

Accessories

For a comprehensive list of accessories, see pages 12-13

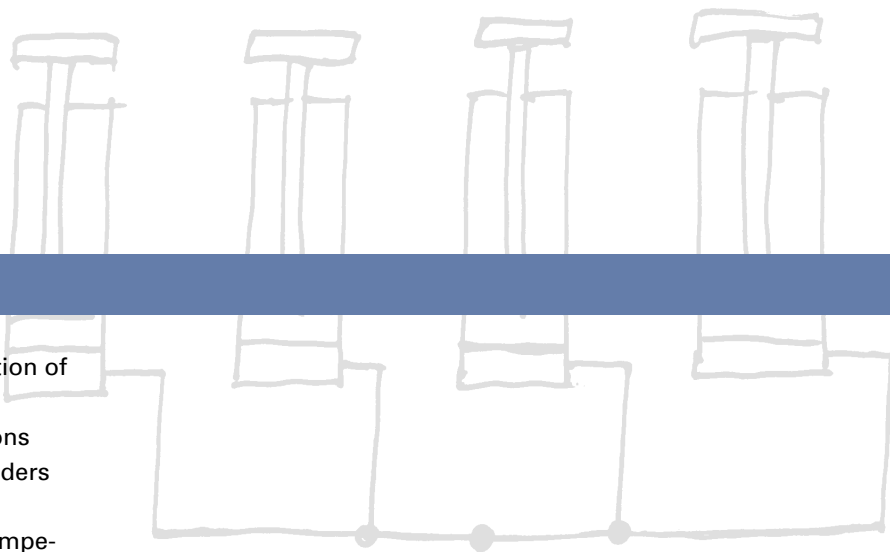
DZ tie rod cylinders in accordance with ISO 6431/ VDMA
Extremely robust construction for heavy duty applications with large loads
ø125 – 250 mm
(up to ø500mm, on request)

SZ short stroke cylinders
very compact, yet rugged design for exacting applications ø12 – 100mm
- single and double acting
- non-rotating versions for tasks requiring guidance

NZK compact cylinder

The standard cylinder series for space constrained applications
- Mounting dimensions in accordance with ISO 24562
- Installation dimensions up to 45% smaller than with ISO/VDMA cylinders
- High-energy absorption end buffers as standard

Many different variants are available as developments of the standard series.

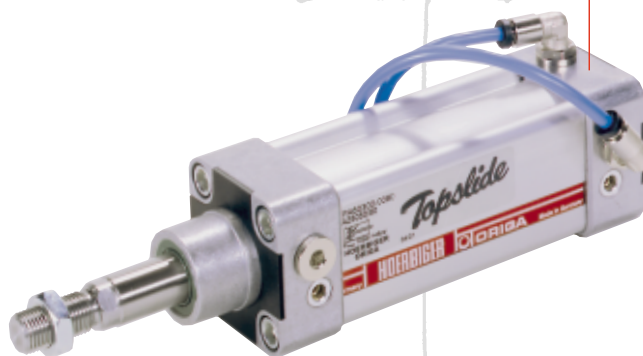


Variants

- Single-end connection of the air supply
- Through-rod versions
- Multi position cylinders
- Blocking cylinders
- Designs for high temperature ranges and low pressure hydraulics available on request

Design with single sided compressed air supply

Blocking cylinders in accordance with ISO 6341, 6432 Series DZB, DZBA
Blocking action available for extend and retract strokes
ø32 – 125mm



Through-rod cylinders Series SZD, RD, AZD, AZVD NZKD

Multi-position cylinders Series AZZ

Non-rotating cylinders with parallel piston rods Series SZV, RDV, AZV, NZKV
Economic, space-saving designs for applications demanding superior guidance and resistance to side loads
ø20 – 100mm

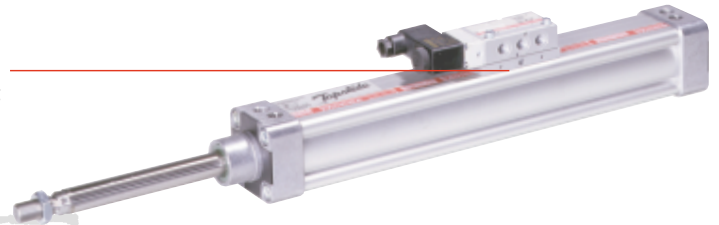


Cylinder Accessories

Guide units
For precise guidance and
high side loads
ø8 – 100mm



Adapter plate
Flange-mounted
valves for convenient
cylinder-valve
combinations



Blocking unit
For flange-mounting on
standard rod type cylinders
ø32 – 125mm



Mountings and accessories
Convenient mounting arrangements and
accessories are common to both AZ and
NZK series

