Aluminium Roller Guides, Industrial Shock Absorber

Aluminium roller guides for precise and quiet operation in systems for assembly and handling technology.

Shock absorbers decelerate loads smoothly and securely using the least possible force and in the shortest time, enabling significantly higher cycle times in automated operations.

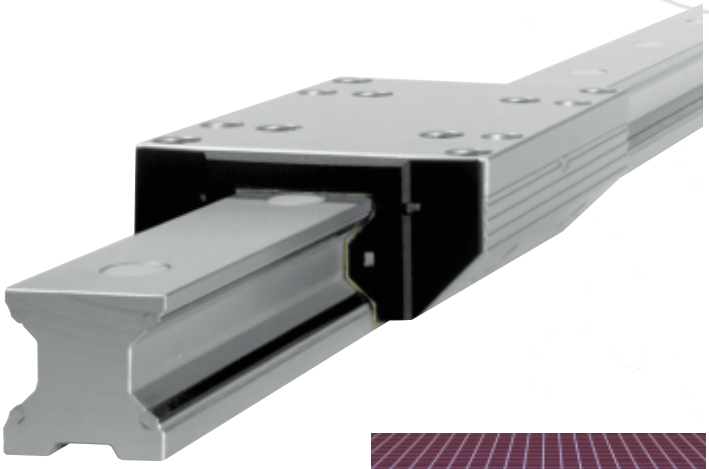
Aluminium Roller Guides

Designs

- Double rail and roller cassette
- Single rail with pair of roller shoes
- Special versions

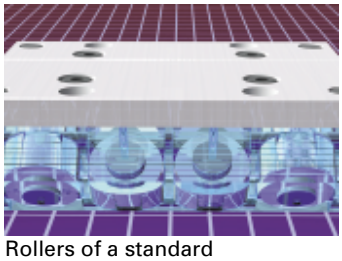
Advantages

- Low weight
- Smooth running characteristics
- Speeds up to 10 m/s
- Can be loaded from all directions
- Virtually lubrication-free guidance



Technical data

- Sizes:
  15, 20, 25, 35, 40
- Load rating depending on type
  between 700 and 54900 N
- Length: 300 – 4,000 mm
  > 4000 mm rails can be coupled
- Friction-value:
  approx. 0.001
- Travel speed up to 10 m/s
- Temperature range:
  -10 to +80 °C



Rollers of a standard roller cassette

Handling device for stacking paper

Shock Absorbers

Technical data

- Non-adjustable shock absorbers
  - Stroke: 6.5 – 25.4 mm*
  - Max. eff. mass:
    7 – 2,273 kg*
  - Max. energy per hour:
    22050 – 68000 Nm/h*
- Adjustable shock absorbers
  - Stroke: 12.7 – 152 mm*
  - Max. eff. mass:
    182 – 32,000 kg*
  - Max. energy per hour:
    23000 – 575000 Nm/h*

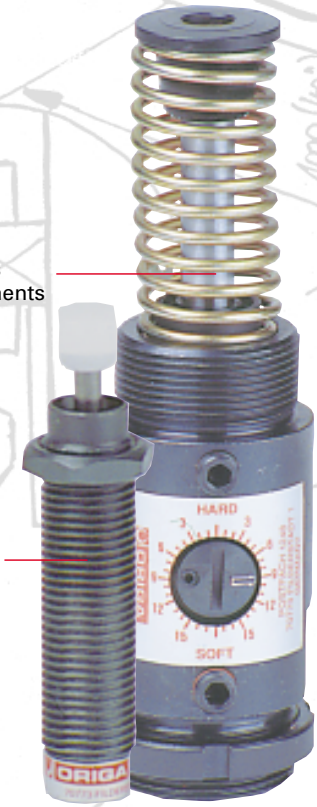
* depending on type

Advantages

- Increases operating speeds
- Enable larger moving masses
- Increase system performance
- Increases machine reliability
- Reduces stress on equipment
- Reduces machine production costs
- Reduces noise levels

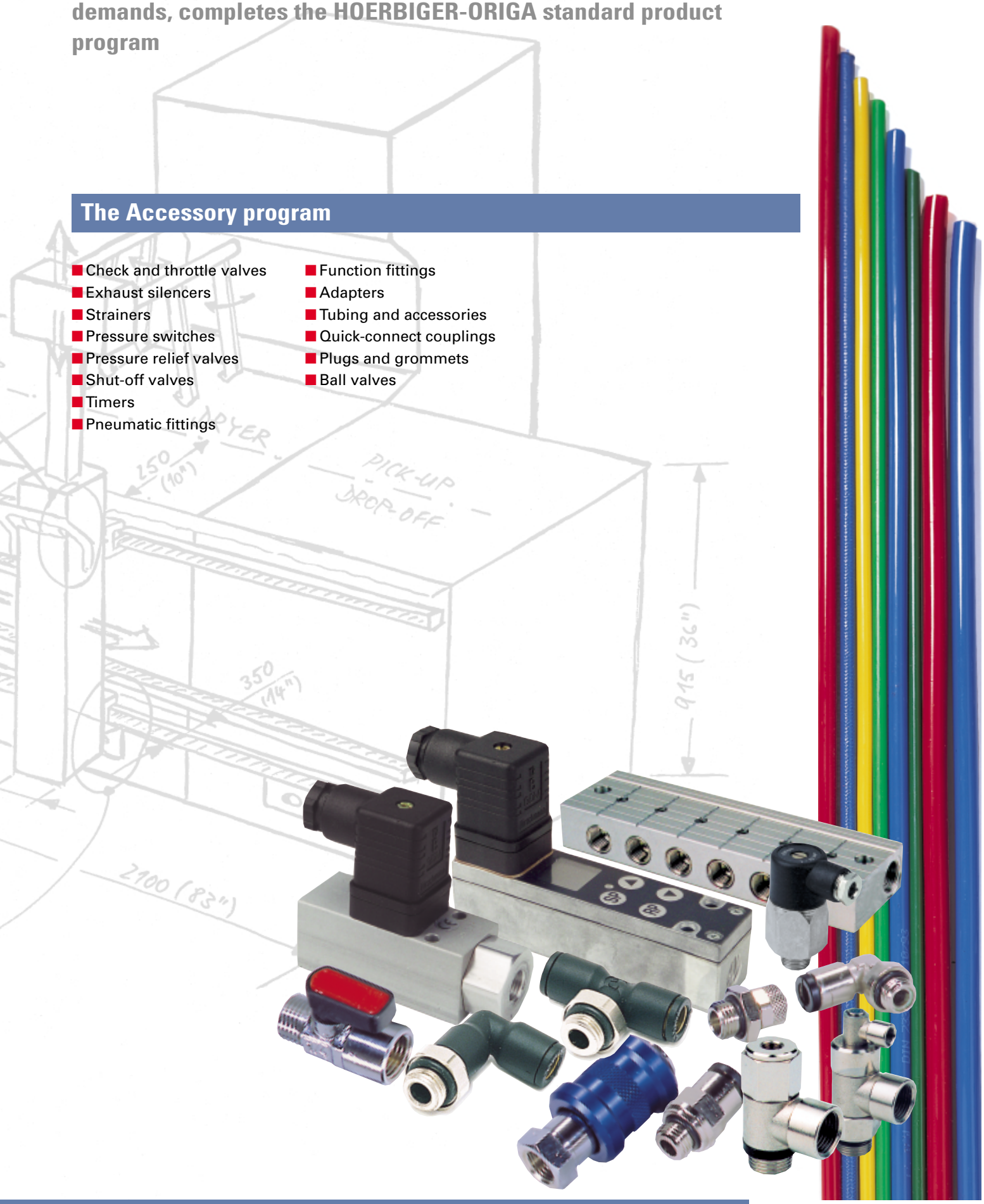
Adjustable shock absorbers
- Simple and precise adjustment
- Safe operation, as adjustment is out of range of the moving elements
- Over-sized piston rod and guide bearings to accommodate large lateral forces

Non-adjustable shock absorbers
- Threaded body for maximum mounting flexibility
- Integrated stop collar, prevents 'bottoming out' at end of stroke



nd Pneumatic Accessories

An extensive range of accessories , customised to meet market demands, completes the HOERBIGER-ORIGA standard product program

The Accessory program

- Check and throttle valves
- Exhaust silencers
- Strainers
- Pressure switches
- Pressure relief valves
- Shut-off valves
- Timers
- Pneumatic fittings
- Function fittings
- Adapters
- Tubing and accessories
- Quick-connect couplings
- Plugs and grommets
- Ball valves