

Standard cylinder DSBC to ISO 15552

FESTO



Clever cushioning!

Highlights

- Which kind of cushioning do you use? PPS or PPV? PPS-Check will help you decide.



- Optionally available with reduced copper, zinc and nickel content for use in battery production.

Clever cushioning – save time on adjustment: The standard cylinder DSBC with the self-adjusting pneumatic end-position cushioning adapts optimally to changes in loads and speed. You save time and increase flexibility, and your process reliability grows. Its many variants, adaptation to ambient conditions and individual design allow it to be used flexibly. DSBC: economic, convenient and reliable.

Simple selection – quick to use

Ready for anything: the DSBC series is the successor to the proven DNC and DNCB series. With its ISO 15552-compliant dimensions, the DSBC can easily be used to replace the preceding series – with a far simpler product selection process. Our quick selection tool helps you configure your requirements simply online. And our platform strategy guarantees quick and reliable delivery times.

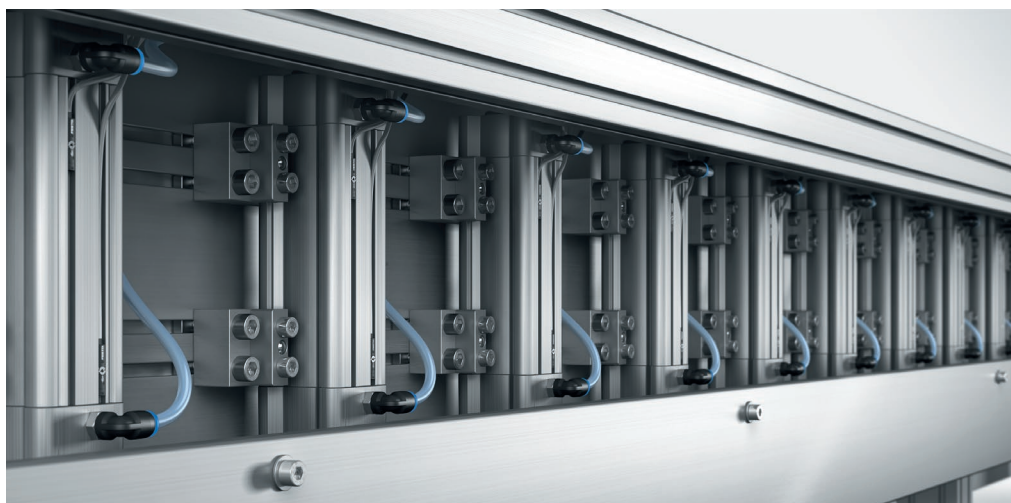
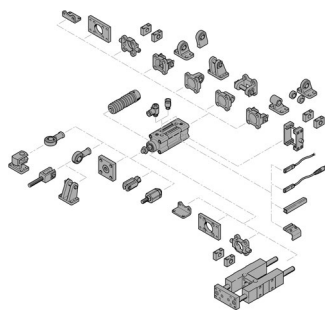
Superior technology, long service life

The self-adjusting pneumatic cushioning PPS and the patented piston rod make DSBC a technically superior cylinder – with extremely low wear.

Standard cylinder DSBC to ISO 15552

Flexible:

The modular system at a glance:
A uniquely wide range compared with the market: numerous properties and combinations of properties



DSBC-PPS in use: DSBC is always correctly adjusted, even in synchronous running or when it is hard to access.

Technical data

| |
|--|
| Sizes 32 ... 125 |
| Stroke lengths: 25 ... 500 mm |
| X strokes 1 ... 2800 mm |
| Integrated magnet for position sensing |

PPS cushioning

The innovative self-adjusting pneumatic cushioning PPS for DSBC saves installation time and makes your production process more flexible. With the ideal cushioning setting at all times, it minimises wear.

PPV cushioning

For demanding applications, the well-known powerful adjustable pneumatic cushioning PPV is available – as used in DNC. You can actively adjust this cushioning.

Powerful 3K piston

Compared with DNC, it can absorb an approx. 5 times higher cushioning energy in the end position. That protects your machines and saves you money!

Long service life

The sealed A3 dry run version ensures lubricant-free operation – when the lubrication fails.

Reliability

Proven components for a long service life even under the highest loads



| | |
|------|---|
| Q | With protection against rotation |
| L | Low friction |
| U | Uniform, slow movement |
| L1 | Low friction for balancer applications |
| C | Clamping unit attached |
| E... | With end-position locking |
| T | Through piston rod |
| F | Female piston rod thread |
| D3 | Sensor slots on 3 profile sides |
| P | Elastic cushioning rings/plates on both sides |
| PPS | Pneumatic cushioning, self-adjusting at both ends |
| PPV | Pneumatic cushioning, adjustable at both ends |
| A | For proximity sensor |

| | |
|-------|--|
| R3 | High corrosion protection |
| T1/T4 | Heat-resistant seals max. 120/150 °C |
| T3 | Low temperature -40 ... +80 °C |
| P2 | Bellows on bearing cap |
| A1 | Increased chemical resistance |
| A2 | Hard scraper |
| A3 | For unlubricated operation |
| A6 | Metal scraper |
| F1A | Recommended for production facilities for the manufacture of lithium-ion batteries |
| EX4 | Explosion protection |
| ...E | Piston rod extension 1 ... 500 mm |
| ...L | Piston rod thread extension 0 ... 70 mm |

★ Festo core product range

Solves the majority of your automation tasks

Quickest delivery, worldwide – wherever, whenever.
Expected high Festo quality
Easy and fast to select
Best value

www.festo.com