

# Large-diameter cylinder DSBG with tie rods

FESTO



## Power that moves

### Highlights

- Powerful and lightweight
- Efficient and inexpensive
- Durable
- Technically advanced

The new large-diameter cylinders DSBG in sizes 160 / 200 / 250 / 320 are powerful, efficient, durable and technically advanced. They have P or PPV cushioning as standard and can be equipped with lots of optional features from the modular system. Suitable for use at up to 150° C, available as ATEX variants or with stud bolts for easy vertical or horizontal mounting.

### Diversity from the modular system

The unbeatable modular seal and scraper system makes it possible to adapt the DSBG to most ambient conditions – ideal for machine building, mining, the steel industry and process automation. And last but not least, it comes with sensor technology.

### Increased performance, reduced weight

The tie rod design and the newly developed cover make the DSBG the lightest large-diameter cylinder in its class. And it's even got a higher load bearing capacity than its predecessor DNG. This means improved protection

against overpressure, easier handling and operating efficiency.

And changing over from the DNG to the current DSBG is no trouble at all.








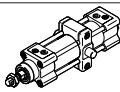

### Everything from a single source

No more tedious searches for suitable accessories: you'll find the matching proximity sensor, the retainer and a complete selection of pneumatic connection technology in our product range.

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## Versatility for all applications: DSBG variants

### Variants from the modular product system

Symbol	Feature	Description
	T Through piston rod	For working at both ends, equal force in the forward and return stroke, for attaching external stops
	R3 High corrosion protection	All external cylinder surfaces comply with corrosion resistance class 3 in accordance with Festo standard 940 070. The piston rod is made of corrosion and acid-resistant steel
	T1 Heat-resistant seals	Temperature range: 0 ... +120° C
	T4 Heat-resistant seals	Temperature range: 0 ... +150° C
	...E Piston rod extension	–
	...L Piston rod thread extension	–
	M36 Piston rod thread	Piston rod thread version M36 (standard: precision thread)
	V Central swivel mounting	Swivel mounting, clamped centrally between the end caps
	B Integrated stud bolts	<ul style="list-style-type: none"> <li>• B1: at both ends</li> <li>• B2: on the bearing cap</li> <li>• B3: on the end cap</li> </ul>

## Accessories from a single source

Find the right accessories – easily and immediately.



Cylinder DSBG-160-300-PPVA-N3



Retainer DASP-M4-160-A



Matching proximity sensor SMT-8M-A and pneumatic connection technology



New fittings QS-G-3/4-22 and suitable tube PAN-R-22x2-sw

**20% lighter and with improved performance thanks to new design**



Optionally with stud bolts for applications in the mining industry

### The DSBG in action



DSBG as hammer cylinder: large-diameter cylinders clean the conveyor belts in power plants to ensure trouble-free transport of coal into burners.



Air supply: DSBGs actuate correspondingly designed air and shutter flaps for optimised burning.

**Festo AG & Co. KG**

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