
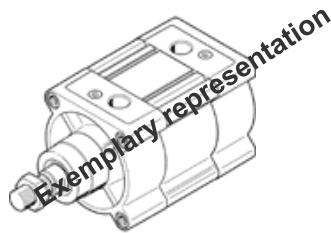


ISO cylinder DSBC-...-100- -

Part number: 1463520

☆ Core product range


 General operating conditions

 Data sheet


Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 2,800 mm
Piston diameter	100 mm
Cushioning	P: Flexible cushioning rings/plates at both ends PPS: Self-adjusting pneumatic end-position cushioning PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	For unlubricated operation Clamping unit attached End position locking at both ends End position locking, rear End-position locking, front Increased chemical resistance Bellows on bearing cap Hard wiper seal Extended male piston rod thread Female thread on piston rod Extended piston rod Metal wiper seal With protection against rotation Constant slow movement Low-friction Through piston rod Heat resistant seals, max. 120°C Sensor slots on 3 profile sides Temperature range 0 - 150 °C Temperature range -40 - 80 °C Single-ended piston rod Low friction for balancer applications
Operating pressure	0.05 ... 12 bar
Mode of operation	double-acting
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c T120°C
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)

Feature	Value
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-40 ... 150 °C
Impact energy in end positions	2.5 J
Theoretical force at 6 bar, return stroke	4,418 N
Theoretical force at 6 bar, advance stroke	4,418 ... 4,712 N
Moving mass with 0 mm stroke	1,000 g
Additional weight per 10 mm stroke	101 g
Basic weight for 0 mm stroke	3,665 g
Additional mass factor per 10 mm of stroke	39 g
Mounting type	Optional with internal (female) thread with accessories
Pneumatic connection	G1/2
Materials note	Conforms to RoHS
Material cover	Aluminium die cast coated
Material seals	TPE-U(PU)
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised