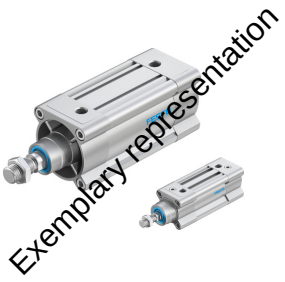
ISO cylinder
DSBC-...-32- -

Part number: 1463250



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 2800 mm
Piston diameter	32 mm
Type code	DSBC
Cushioning	Self-adjusting pneumatic end-position cushioning Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Design	Profile barrel Piston rod Piston
Position sensing	For proximity sensor
Variants	With anti-twist protection End-position locking at both ends Constant, slow movement Bellows on bearing cap Through piston rod Temperature range 0 to + 150 °C For unlubricated operation Low friction End-position locking with piston rod retracted Extended external thread piston rod Sensor slots on 3 profile sides End-position locking with piston rod extended Extended piston rod Hard scraper Low friction for balancer applications Internal thread on piston rod Clamping unit attached Temperature range -40 to 80 °C Metal scraper Piston rod at one end Heat-resistant seals max. 120°C Increased chemical resistance
Operating pressure	0.1 bar ... 12 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C <= Ta <= +60°C

Feature	Value
Explosion prevention and protection	Zone 21 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 1 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	3 - High corrosion stress 2 - Moderate corrosion stress
Ambient temperature	-40 °C ... 150 °C
Impact energy in the end positions	0.4 J
Theoretical force at 6 bar, retracting	415 N
Theoretical force at 6 bar, advancing	415 N ... 483 N
Moving mass at 0 mm stroke	110 g
Additional weight per 10 mm stroke	27 g
Basic weight with 0 mm stroke	465 g
Additional moving mass per 10 mm stroke	9 g
Type of mounting	With internal thread With accessories Optionally:
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Coated Die-cast aluminum
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized