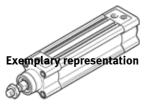
standards-based cylinder DSBC-...-40Part number: 1461995 ★ Core product range





Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 2,800 mm
Piston diameter	40 mm
Piston rod thread	M8
	M12x1,25
Max. angular deflection of piston rod +/-	-0.6 0.6 deg
Based on the standard	ISO 15552
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
Conforms to standard	ISO 15552
Piston-rod end	Male thread
	Female thread
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
Mode of operation of clamping unit	Retracting
	Advancing
	Static
	Released through compressed air
	Frictional clamping via spring force



Static holding force of clamping unit Anal backlash of Idamping unit Clamping unit release pressure Jo 3 MPa Joan Mode of operation of end-position locking Released through compressed air Static holding force of end-position locking Static holding force of end-position locking 1.9 mm Unlocking pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Unlocking pressure (MPa) Operating pressure (MPa) Unlocking pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Unlocking pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Unlocking pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) Unlocking pressure (MPa) Operating pressure (MPa) Operating pressure (MPa) UNLOCK instructions The Arrive (MPa) UNLOCK instructions ATEX category (MPa) UNLOCK instructions ATEX category (MPa) UNLOCK instructions ATEX category (MPa) In Unlocking pressure (MPa) Operating medium (MPa) Operati	Feature	Value
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Same Made of operation of end-position locking Positive locking by stop cylinder Released through compressed air So N N Asia backlash of end-position locking 50 N N Asia backlash of end-position locking 1.3 mm	Axial backlash of clamping unit	0.5 mm
Mode of operation of end position locking Sentender Sentende	Clamping unit release pressure	0.3 MPa
Released through compressed air Solo N Alaid backlash of end position locking 500 N Alaid backlash of end position locking 1.3 mm Unlocking pressure (MPa) Unlocking pressure 1.4 0.05 MPa Unlocking pressure 2.7 5 bar Locking pressure 3.1 2 MPa Operating pressure MPA Oof 1 12 MPA Oof 1 12 MPA Oof 1 12 MPA Ook of operation of conformity) To UK EX instructions ATEX category Obst II 26 ATEX category Obst II 26 ATEX category Obst EX INICT 20°C (= Tax e-60°C Explosion ignition protection type Gas EX INICT 20°C (= Tax e-60°C Explosion ignition protection type Bust Explosion protection type Gas EX INICT 20°C (= Tax e-60°C EXPLOSION protection operating and pilot medium Operating medium Compressed air in accordance with ISO8573 1:2010[7:A:A] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2. Moderate corosion stress 3. High corosion stress 3. High corosion stress WMA24364 zone III Ambient temperature 400 150°C Town MA24364 zone III Ambient temperature 400 150°C Operating length Ambient temperature 400 150°C Operating length Ambient temperature 400 150°C Operating length Ambient temperature Ambient temperature 400 150°C Operating length Ambient temperature Operating length Ambient temperature Operating length On 19 mm Max. torque for protection against rotation 1.1 Nm Theoretical force at 0.6 MPa (bas, 87 pS), pretracting Operating length Musterial piston or dot thread extension of 10 mm Against length prepared on the development of 10 mm Mounting type With internal (female) thread With internal (fem		
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	material piston for wiper seal	HNBR



Feature	Value
	PE
	TPE-U(PU)
Buffer seal material	FPM
	TPE-U(PU)
Cushion piston material	Aluminium
	POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	steel, galvanized
Rod wiper seal material	Brass
	PTFE reinforced
	TPE-E
Material bearing	Bronze
	Metal polymer compound
	POM
Material of flange screw	steel, galvanized
Material bellows	NBR
	PA