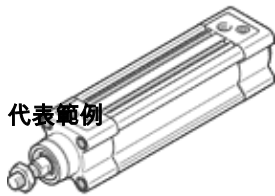


**標準氣壓缸**  
**DSBC-...-100- -**  
 料號: 1463520  
 ★ Kernprogramm



代表範例

## 技術參數

整體數據表 – 個別數值取決於您的配置。

特性	值
行程	1 ... 2,800 mm
活塞直徑	100 mm
活塞桿螺紋	M20x1,5 M12
活塞桿的最大角度偏移 +/-	-0.45 ... 0.45 deg
基於標準	ISO 15552
緩衝	P: 兩端具彈性緩衝環/板 PPS: 終端自調式氣壓緩衝 PPV: 兩端具可調的氣緩衝
裝配位置	任何
符合標準	ISO 15552
活塞桿末端	外螺紋 內螺紋
設計結構	活塞 活塞桿 型材缸筒
位置檢測	用於近接感測器
多樣型	用於無潤滑操作 Clamping unit attached End position locking at both ends End position locking, rear End-position locking, front Increased chemical resistance 軸承蓋的波紋管 硬防塵圈 延伸活塞桿外螺紋 活塞桿上的內螺紋 延伸活塞桿 Metal wiper seal 具防旋轉保護 持續緩慢作動 低摩擦 雙出活塞桿 耐高溫密封, 可承受的最高溫度 120°C 3 面外殼都有感測器插槽 溫度範圍 0 - 150 °C 溫度範圍 -40 - 80 °C 單端活塞桿 Low friction for balancer applications
Mode of operation of clamping unit	Retracting Advancing Static Released through compressed air Frictional clamping via spring force

特性	值
Static holding force of clamping unit	5,000 N
Axial backlash of clamping unit	0.8 mm
Clamping unit release pressure	0.3 MPa 3 bar
Mode of operation of end-position locking	Positive locking by stop cylinder Released through compressed air
Static holding force of end-position locking	5,000 N
Axial backlash of end-position locking	1.5 mm
Unlocking pressure (MPa)	>= 0.15 MPa
Unlocking pressure	>= 1.5 bar
Locking pressure (MPa)	<= 0.05 MPa
Locking pressure	<= 0.5 bar
Operating pressure MPa	0.005 ... 1.2 MPa
操作壓力	0.05 ... 12 bar
操作模式	雙動
CE 符號 (參見符合的標準)	根據 EU-Ex 防爆指導原則 (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX(防爆) 標準-氣體	II 2G
ATEX(防爆) 標準-灰塵	II 2D
防氣爆	Ex h IIC T4 Gb
防塵爆	Ex h IIIC T120°C Db
周遭防爆溫度	-20°C <= Ta <= +60°C
EU以外的防爆保護認證	EPL Db (GB) EPL Gb (GB)
操作介質	壓縮空氣符合 ISO8573-1:2010 [7:4:4]
注意: 操作和嚮導介質	潤滑操作可行 (隨後需要進一步操作)
耐腐蝕等級 CRC	2 - Moderate corrosion stress 3 - High corrosion stress
PWIS conformity	VDMA24364-B1/B2-L VDMA24364 zone III
環境溫度	-40 ... 150 °C
在端點位置的衝擊能量	1.25 ... 2.5 J
緩衝長度	0 ... 31 mm
防旋轉的最大扭矩	3 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,418 ... 4,712 N
Additional weight per piston rod extension of 10 mm	39 g
Additional weight per piston rod thread extension of 10 mm	22 g
安裝類型	具內 (母) 螺紋 具配件 選配
氣壓連接	G1/2
材料備註	符合 RoHS
Material cover	Die-cast aluminium, coated
Material spring	彈簧鋼 高合金鋼, 耐腐蝕
Clamping unit housing material	Anodised wrought aluminium alloy
Housing end-position locking material	Anodised wrought aluminium alloy
Material piston seal	FPM HNBR TPE-U(PU)
Clamping jaws clamping unit material	黃銅
Clamping unit piston material	POM
Piston end-position locking material	Steel, hardened
Material piston	鍛造鋁合金
Material piston rod	high-alloy stainless steel, hard chrome plated 高合金鋼 高合金鋼, 耐腐蝕
Material piston rod wiper seal	FPM HNBR PE

特性	值
	TPE-U(PU)
Buffer seal material	FPM TPE-U(PU)
Cushion piston material	鋁 POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	鋼, 鍍鋅
Rod wiper seal material	黃銅 PTFE-加強
Material bearing	青銅 Metal polymer compound POM
Material of flange screw	鋼, 鍍鋅
Material bellows	NBR PA