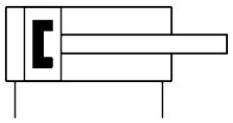
Feed separator
HPVS-14-20-A

Part number: 2095360



Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	14 mm
Max. replacement accuracy	0.3 mm
Max. stem backlash Sx	0.05 mm
Max. stem backlash Sz	0.03 mm
Max. angular gripper jaw backlash ax	0.12 deg
Max. angular gripper jaw backlash ay	0.2 deg
Max. angular gripper jaw backlash az	0.175 deg
Mounting of external fingers	Through-hole
Cushioning	No cushioning
Mounting position	optional
Mode of operation	Double-acting
Design	Piston rod Non-rotating
Position detection	Via proximity switch
Protection against torque/guide	Square guide
Minimum product distance due to proximity switches	50 mm...90 mm
Proximity switch protrusion	14 mm...22 mm
Operating pressure	3 bar...8 bar
Advance time	0.03 ms...0.07 ms
Return-stroke time	0.03 ms...0.07 ms
Repetition accuracy	0.15 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Degree of protection	IP40
Ambient temperature	5 °C...60 °C
Max. tightening torque	2.9 Nm for M4 5.9 Nm for M5
Max. force on finger Fz static	100 N

Feature	Value
Max. torque Mr at finger, static	5 Nm
Max. torque at finger Mx static	5 Nm
Max. torque at finger My static	5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	75 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	90 N
Product weight	183 g
Max. mass per external gripper finger	150 g
alternative connections	M5
Type of mounting	With through-hole for M4 screw and centring sleeve With female thread M5 and centring sleeve
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	High-alloy steel
Material seals	NBR
Material housing	Smooth-anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Plunger material	High-alloy steel
Material gate valve	Case-hardened steel