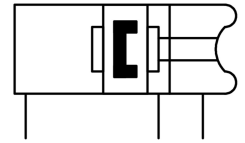
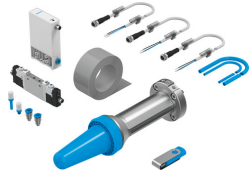


Adaptive shape gripper DHEF-20-A-RA1

Part number: 8119114

FESTO



Data sheet

Feature	Value
Size	20
Inverting cap version	Standard
Stroke	66 mm
Min. ø to be gripped	12 mm
Max. ø to be gripped	38 mm
Drive system	Pneumatic
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Adaptive
Design	Inverting cap Force pilot operated motion sequence
Guide	Basic guide
Position detection	Via proximity switch
Operating pressure of ball valve drive unit	1 bar...8 bar
Operating pressure of cap	0.07 bar...0.1 bar
Burst pressure of cap	0.3 bar
Max. operating frequency of gripper	1 Hz
Return-stroke time	290 ms
Advance time	270 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	0 °C...60 °C
Mass moment of inertia	1.29 kgcm ²
Guide value for effective load	1 kg
Product weight	475 g
Type of mounting	To ISO 9409
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cap	VMQ (silicone)
Material housing	Anodised aluminium

Feature	Value
Robot connection	Universal robots UR3/5/10 (PolyScope CB 3.8.0 or higher) Universal robots UR3e/5e/10e (PolyScope SW 5.0.0 or higher)
Scope of delivery	1x Velcro® roll 1x solenoid valve 1x proportional-pressure regulator 1x USB memory stick with URCap 2x proximity switches 3x connecting cables