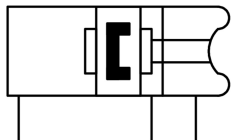
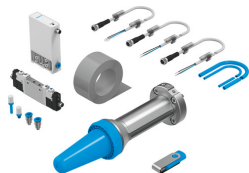


Adaptive shape gripper

DHEF-20-A-RA1

Part number: 8119114

FESTO



Data sheet

Feature	Value
Size	20
Shaped handle cap version	Standard
Stroke	66 mm
Min. diameter to be gripped	12 mm
Max. diameter to be gripped	38 mm
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Adaptive
Structural design	Inverting cap Positively driven motion sequence
Guide	Basic guide
Position sensing	For proximity sensor
Operating pressure of actuator	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 pneumatic gripper	1 Hz
Retracting time	290 ms
Advancing time	270 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication 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 payload	1 kg
Product weight	475 g
Type of mounting	as per ISO 9409
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cap material	VMQ (silicone)
Housing material	Aluminum, anodized

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