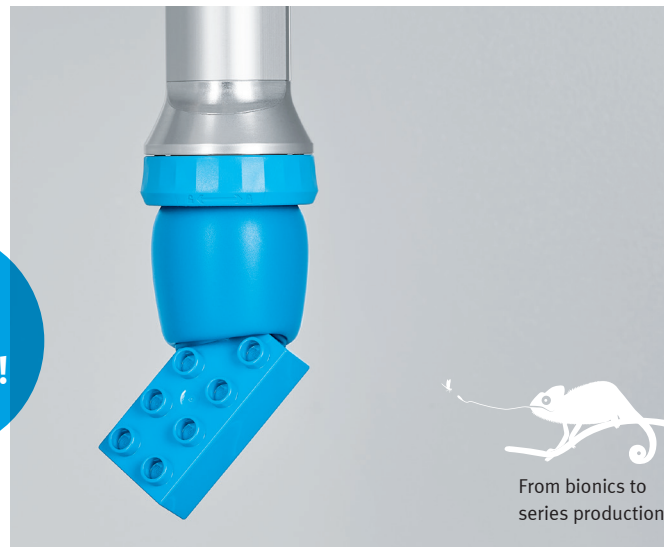


# Adaptive shape gripper DHEF

FESTO

Gentle  
gripping!



## One for virtually everything

### Highlights

- Grips a variety of shapes
- Lifts carefully
- Supports human-machine collaboration

It was inspired by nature. Nature has come up with a solution with which very different objects of prey can be grasped using just a single principle. This principle can now also be used on your factory floor and for your applications.

### Reliably gripping a variety of objects

Gripping a wide variety of objects one immediately after another poses a major challenge for any rigid gripper finger design.

### Customisable contact cap

The adaptive shape gripper DHEF, with its adjustable contact cap, can pick up a differently shaped object during every gripping process.

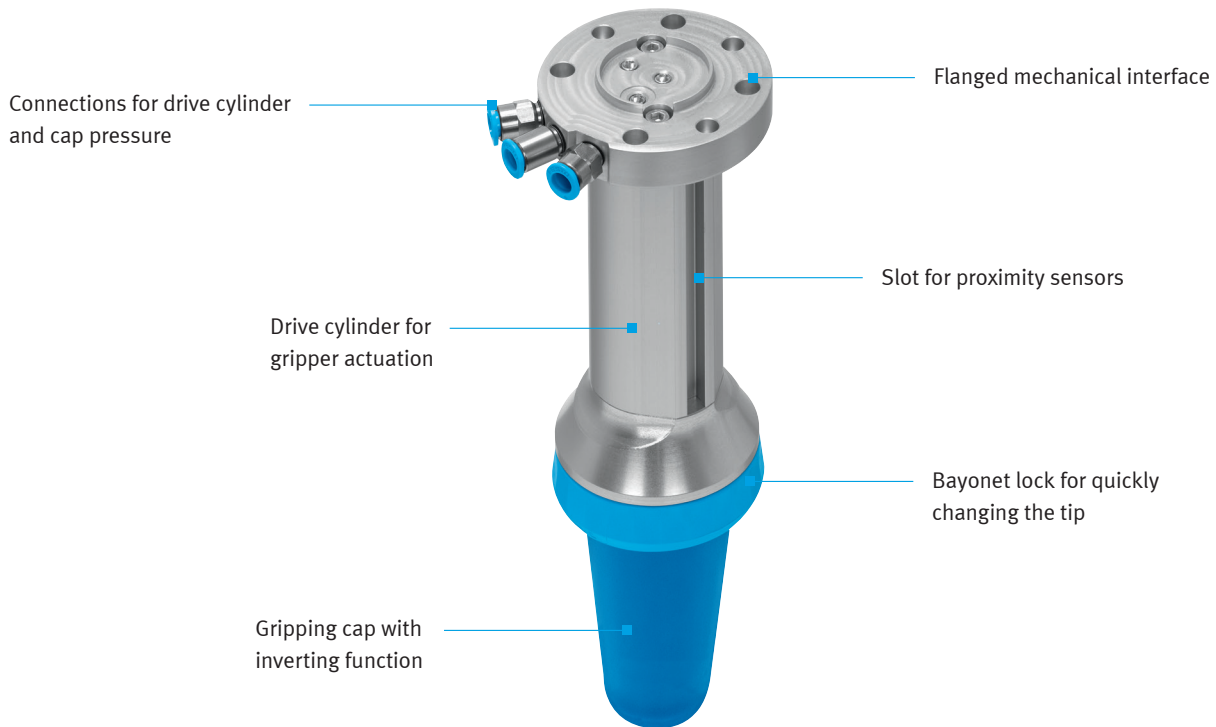
### Gentle gripping

The DHEF gently grips the target object and encloses it. Even when a surface is densely covered with other objects, the gripper finds the required object and reliably removes it from amongst all the others.

When the gripped object is released again, the piston rod, which ends in the cap, advances after the gripping process and returns the cap to its original shape – the next object can now be picked up.

# Adaptive shape gripper DHEF

## The technical design of the DHEF



## Technical data of the DHEF

Technical data	DHEF-20-A	
Function	Pneumatic gripper with inverting cap	
Stroke [mm]	66	
Operating pressure – drive [bar]	1 ... 8	
Operating pressure – cap [bar]	0.07 ... 0.1 (nominal pressure: 0.08)	
Max. speed with gripped object [mm/s]	120	
Ambient temperature [°C]	0...+60	
Storage temperature [°C]	-20 ... +80	
Max. operating frequency [Hz]	1	
Materials	Housing, cover	Anodised aluminium
	Inverting cap	VMQ (silicone)
	Wiper seal	TPE
	Locking cover	PA
	Note	Contains paint-wetting impairment substances
Weight [g]	475	
<b>Grippable objects</b>		
Minimum diameter of the objects to be gripped [mm]	12	
Maximum diameter of the objects to be gripped [mm]	38	
Accessories	Proximity sensor SME-8/SMT-8	