

One finger angular pneumatic grippers for clamping, series OFF

- Single acting.
- Soft contact by means of HNBR pads, custom fingers, or NBR, Silicone or Viton O-rings.
- Several mounting accessories.
- Magnetic sensors and relevant mounting brackets as option.
- Food grade grease FDA-H1.

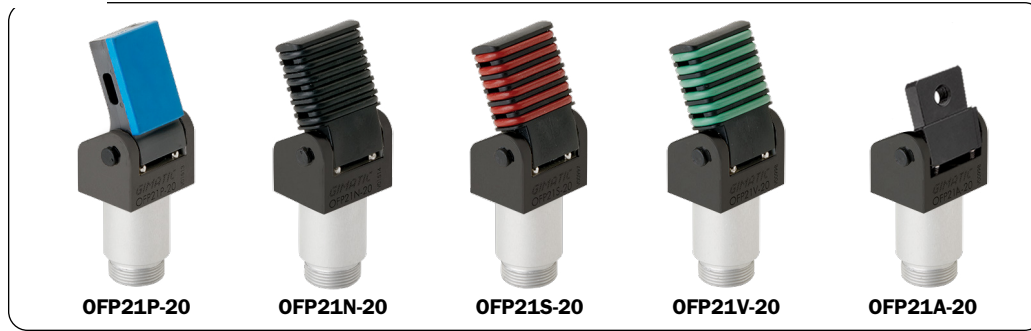
OFF20



OFF14

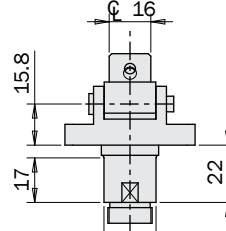
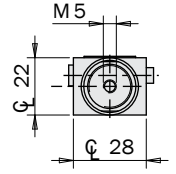
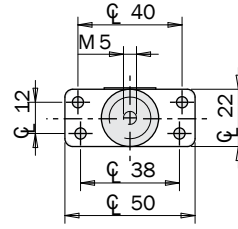
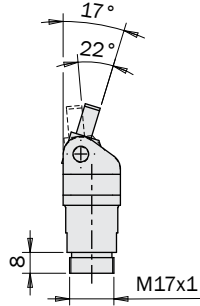
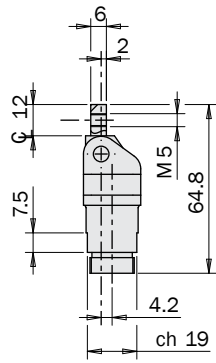


OFF21

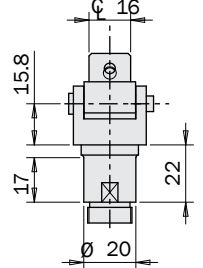


	OFF20A-20	OFF21A-20	OFF14A-25
HNBR	OFF20P-20	OFF21P-20	OFF14P-25
NBR	OFF20N-20	OFF21N-20	
Silicone	OFF20S-20	OFF21S-20	
Viton	OFF20V-20	OFF21V-20	
Body construction	plastic (nylon) / aluminium		aluminium
Medium	Compressed air in compliance with ISO 8573-1:2010 [7:4:4]		
Pressure range	2 ÷ 8 bar		
Temperature range	5° ÷ 60 °C.		
Stroke	21°	21°	25°
Piston bore	16 mm	16 mm	12 mm
Closing torque at 6 bar	100 Ncm	100 Ncm	40 Ncm
Cycle air consumption	1 cm ³	1 cm ³	0.4 cm ³
Weight	40 g	33 g	13 g
Maximum working frequency	2 Hz		
Closing time without load	0.02 sec		

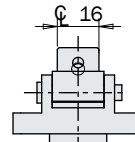
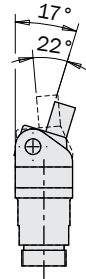
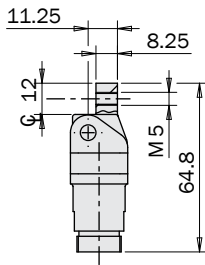
Dimensions (mm)



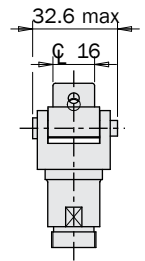
OFP20A-20



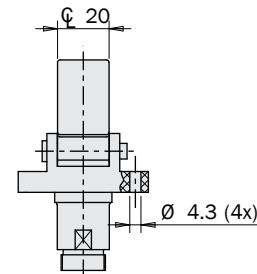
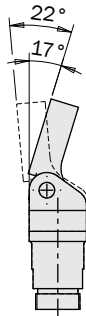
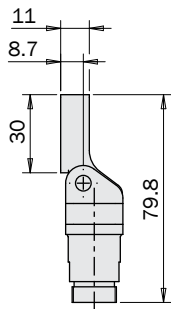
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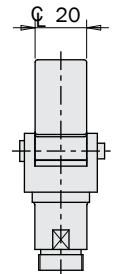
OFP20B-20



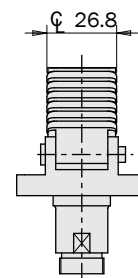
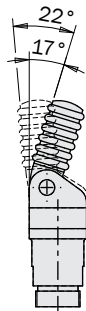
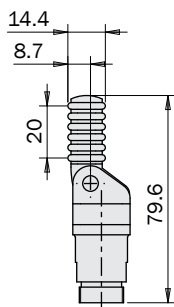
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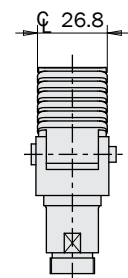
OFP20P-20



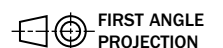
OFP21P-20



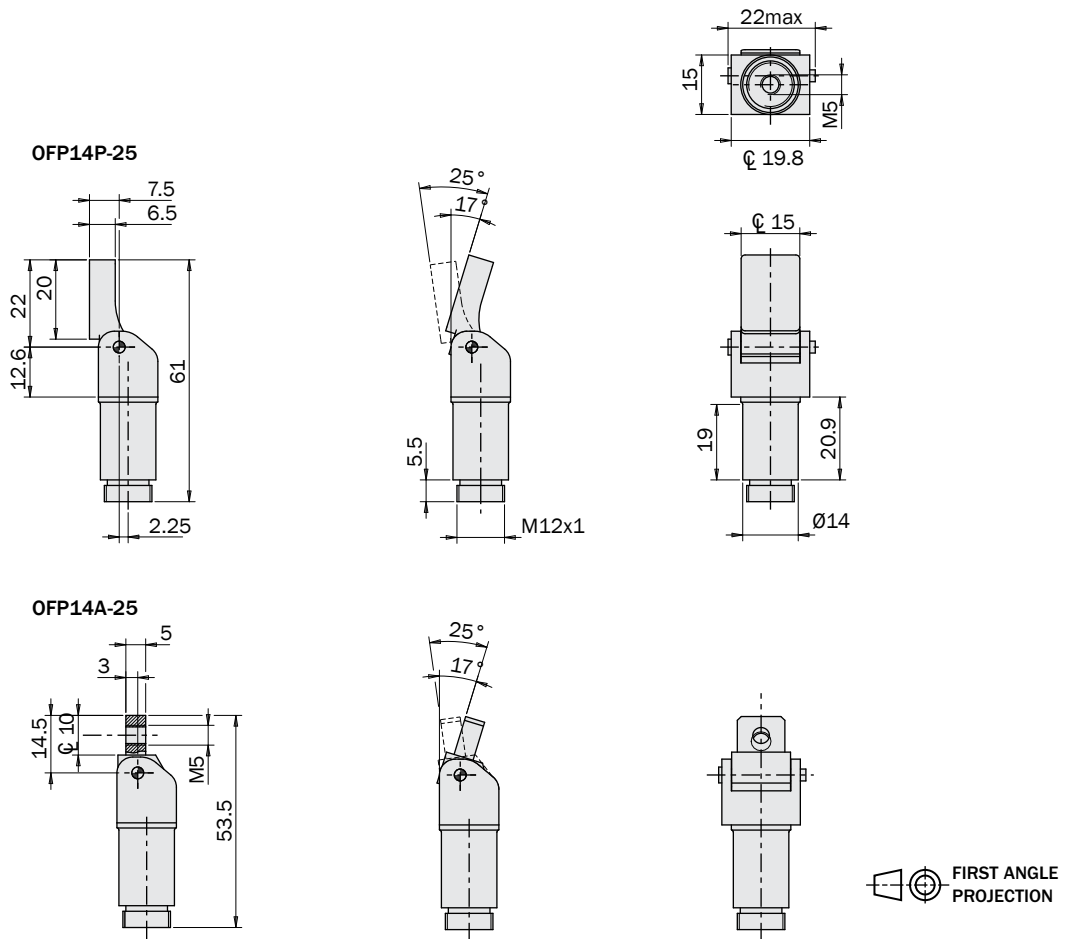
**OFP20N-20
OFP20S-20**



**OFP21N-20
OFP21S-20**



Dimensions (mm)

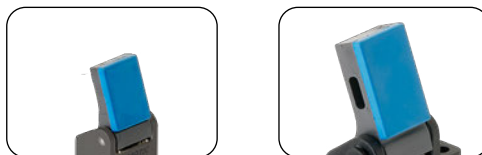


Spare O-Ring



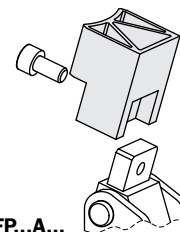
	KIT3-OFP20N	KIT3-OFP20S	KIT3-OFP20V
Material	NBR	Silicone	Viton
Gripper	OFP20N-20 OFP21N-20	OFP20S-20 OFP21S-20	OFP20V-20 OFP21V-20
Temperature range	5° ÷ 100 °C.	5° ÷ 200 °C.	5° ÷ 200 °C.

Custom service HP



Spare pad

	OFR20-95-43	OFR30-95-42
Material	HNBR	HNBR
Gripper	OFP14P-25	OFP20P-20 OFP21P-20
Temperature range	5° ÷ 150 °C.	5° ÷ 150 °C.



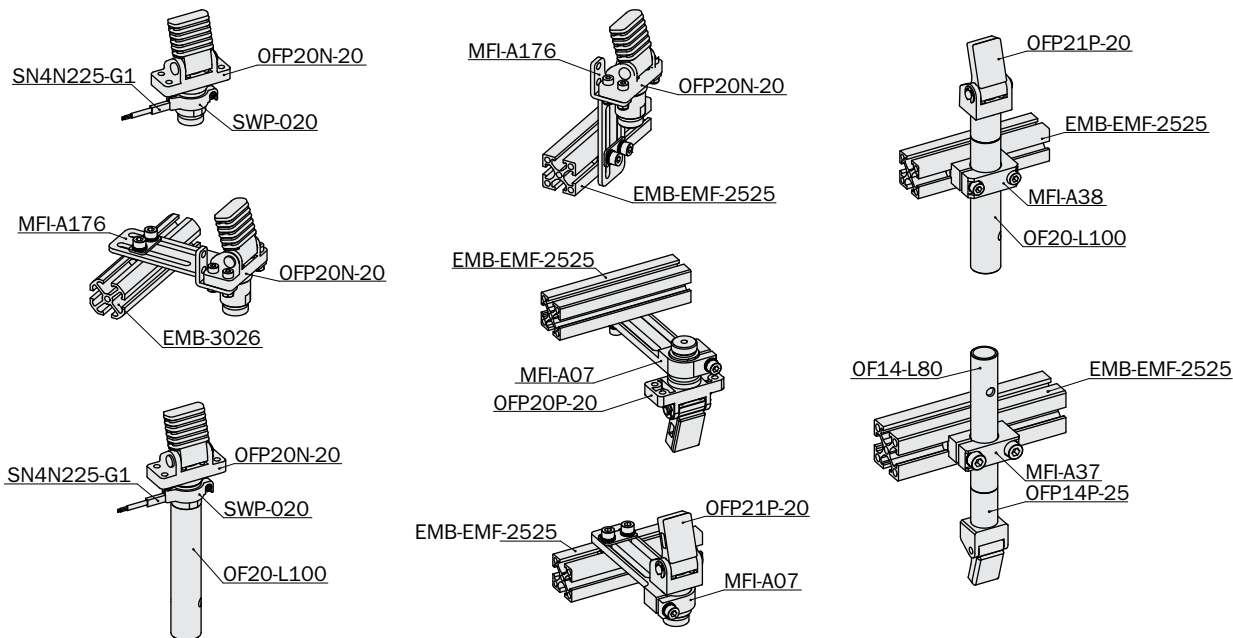
OFF...A...

Custom fingers can be ordered from Gimatic's 3D Printing Service.

Fastening

The OFF grippers have an aluminum body and can be clamped with all MFI accessories with 14mm and 20mm diameter.

MFI-A176 can be used with OFF20.



Sensors

The operating position is detected by magnetic proximity sensors (optional) through a magnet placed on the piston. The use of magnetic proximity sensors is to be avoided in the vicinity of large masses of ferromagnetic material or intense magnetic fields as this may cause detection problems.

The sensors that can be used are:

SN4N225-G	PNP	2.5m cable
SN4M225-G	NPN	
SN3N203-G	PNP	Snap M8 plug connector
SN3M203-G	NPN	

