

Doigt de préhension angulaire pneumatique série OFP

- Actionnement à effet simple.
- Contact souple avec plaquettes en HNBR, mors spéciaux, ou avec joint torique en NBR, Silicone, Viton.
- Différents accessoires pour la fixation.
- Capteurs magnétiques et étriers correspondants en option.
- Graisse alimentaire FDA-H1.

One finger angular pneumatic grippers for clamping, series OFP

- 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.

OFP20



OFP14

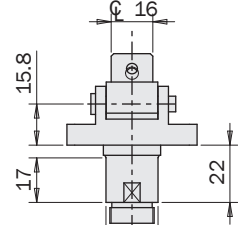
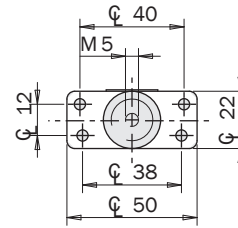
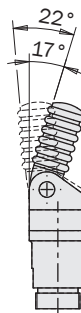
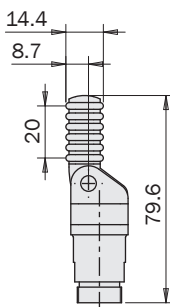
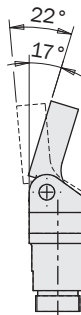
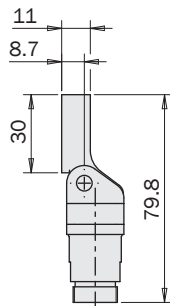
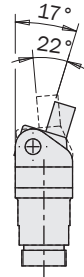
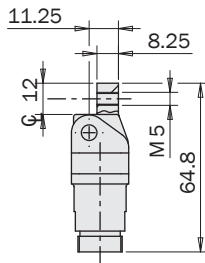
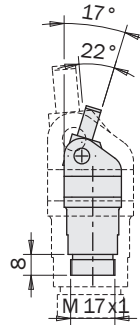
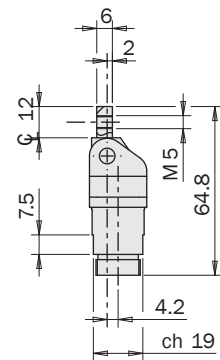


OFP21

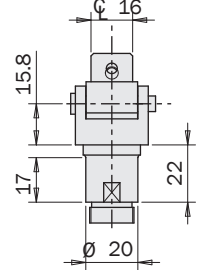
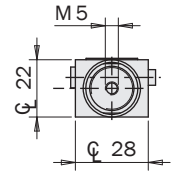


		OFP21A-20	OFP14A-25
HNBR	OFP20P-20	OFP21P-20	OFP14P-25
NBR	OFP20N-20	OFP21N-20	
Silicone Silicone	OFP20S-20	OFP21S-20	
Viton	OFP20V-20	OFP21V-20	
Matière du corps Body construction	Plastique (nylon) / Aluminium plastic (nylon) / aluminium	Aluminium aluminium	
Fluide Medium	Air comprimé selon ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]		
Pression d'utilisation Pressure range	2 ÷ 8 bar		
Température d'utilisation Temperature range	5° ÷ 60 °C.		
Course Stroke	21°	21°	25°
Alésage Piston bore	16 mm	16 mm	12 mm
Couple en fermeture à 6 bars Closing torque at 6 bar	100 Ncm	100 Ncm	40 Ncm
Consommation d'air par cycle Cycle air consumption	1 cm³	1 cm³	0.4 cm³
Poids Weight	40 g	33 g	13 g
Fréquence de fonctionnement maximum Maximum working frequency		2 Hz	
Temps de fermeture sans charge Closing time without load		0.02 sec	

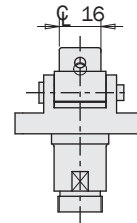
Dimensions (mm)
Dimensions (mm)



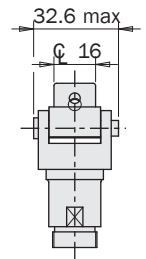
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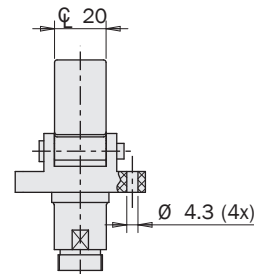
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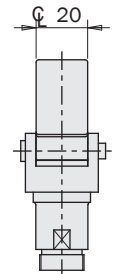
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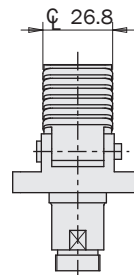
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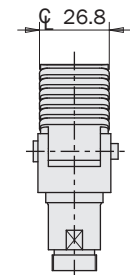
OFP20P-20



OFP21P-20



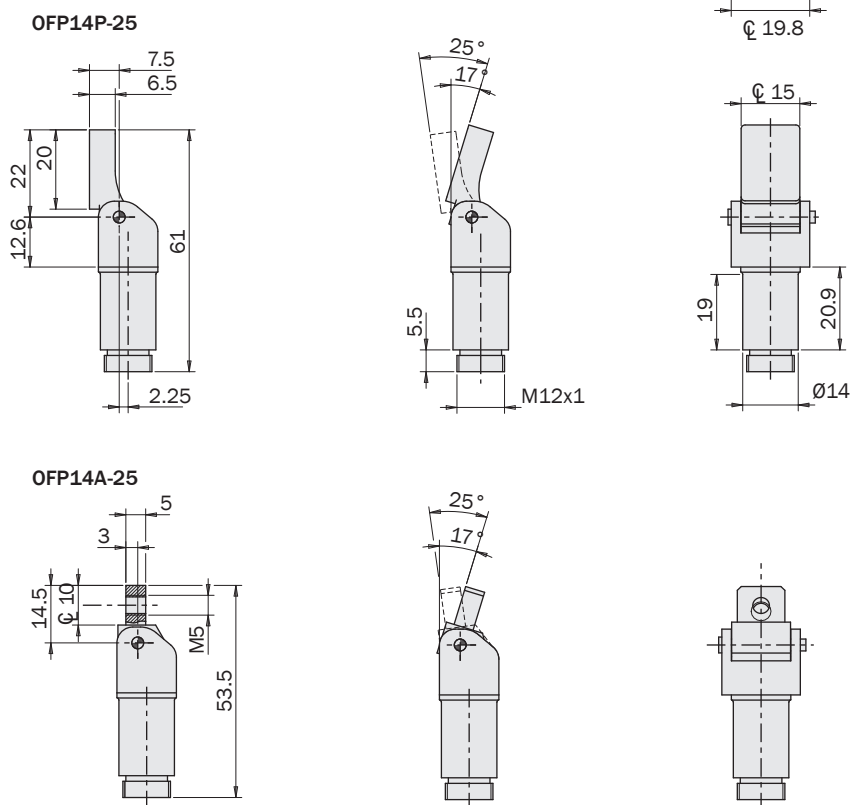
OFP20N-20
OFP20S-20



OFP21N-20
OFP21S-20



Dimensions (mm) Dimensions (mm)



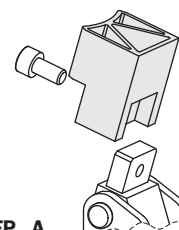
FIRST ANGLE
PROJECTION

Joint torique de rechange Spare O-Ring



	KIT3-OFP20N	KIT3-OFP20S	KIT3-OFP20V
Matériau Material	NBR	Silicone Silicone	Viton
Pince Gripper	OFP20N-20 OFP21N-20	OFP20S-20 OFP21S-20	OFP20V-20 OFP21V-20
Température d'utilisation Temperature range	5° ÷ 100 °C.	5° ÷ 200 °C.	5° ÷ 200 °C.

Custom service HP



OFP...A...

Les mors spéciaux peuvent être commandés auprès du service d'impression 3D Gimatic.

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

Pastille de rechange Spare pad



	OFR20-95-43	OFR30-95-42
Matériau Material	HNBR	HNBR
Pince Gripper	OFP14P-25	OFP20P-20 OFP21P-20
Température d'utilisation Temperature range	5° ÷ 150 °C.	5° ÷ 150 °C.

Fixation

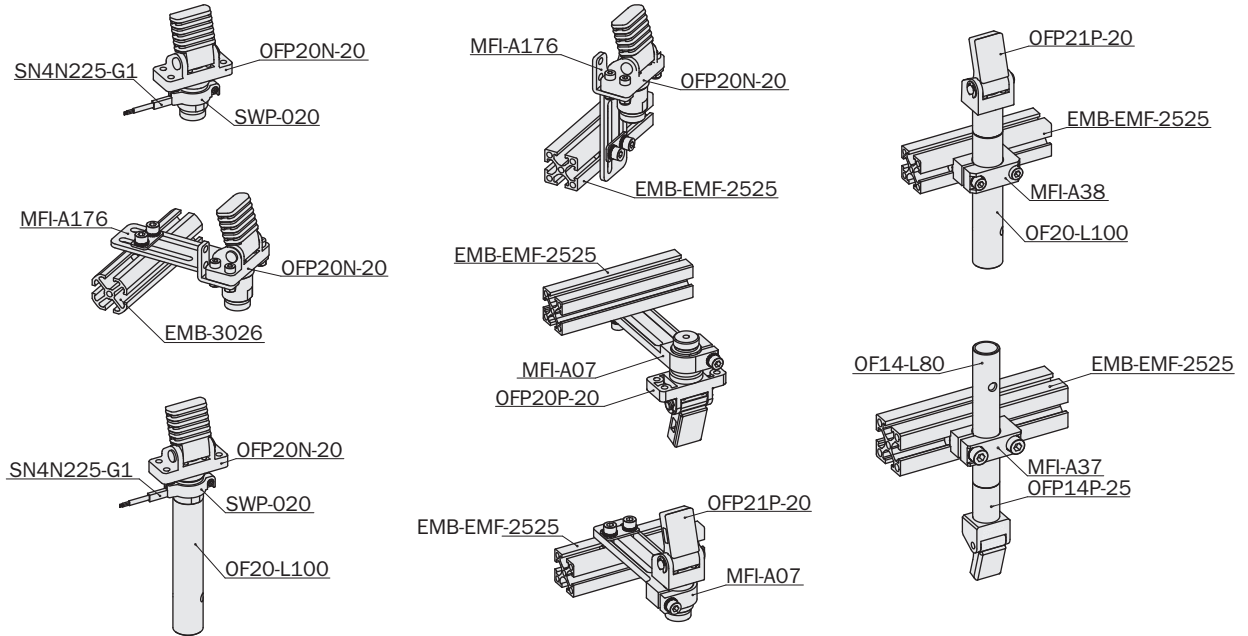
Les pinces OFP ont un corps en aluminium et peuvent être fixées avec tous les accessoires MFI d'un diamètre de 14 mm et 20 mm.

MFI-A176 peut être utilisé avec OFP20.

Fastening

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

MFI-A176 can be used with OFP20.

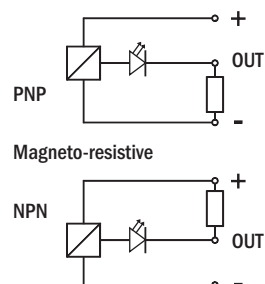


Capteurs

La détection de la position de travail est confiée à un ou plusieurs capteurs magnétiques de proximité (en option) qui détectent la position grâce à l'aimant sur le piston. Pour un fonctionnement correct, il faut donc éviter l'utilisation en présence de forts champs magnétiques ou à proximité de grandes masses de matériau ferromagnétique.

Les capteurs pouvant être utilisés sont:

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



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:

