OF

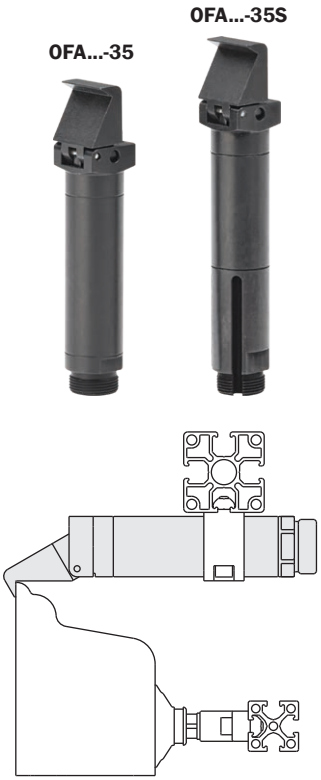
Doigt de préhension à blocage angulaire, série OF

- Action simple effet.
- Capteurs magnétiques en option.
- Graisse alimentaire FDA-H1.

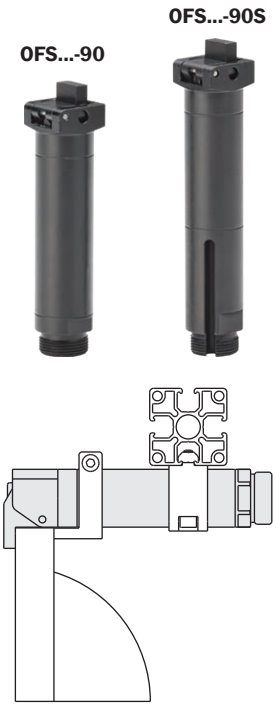
One finger angular pneumatic grippers for clamping, series OF

- *Single acting.*
- *Optional magnetic sensors.*
- *Food grade grease FDA-H1.*

	OFA14-35	OFA20-35 OFA20-35S	OFA30-35 OFA30-35S	OFA50-35 OFA50-35S
Fluide *Medium*	Air comprimé selon ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*			
Corps de la pince *Gripper body*	Aluminium *Aluminium*			
Pression d'utilisation *Pressure range*	2.5 ÷ 8 bar			
Température d'utilisation *Temperature range*	5 ÷ 60 °C.			
Course *Stroke*	35°			
Alésage *Piston bore*	Ø10 mm	Ø16 mm	Ø25 mm	Ø40 mm
Couple en fermeture à 6 bars *Closing torque at 6 bar*	26 Ncm	100 Ncm	430 Ncm	1900 Ncm
Consommation d'air par cycle *Cycle air consumption*	0.4 cm^3	1.24 cm^3	4.56 cm^3	43 cm^3
Poids *Weight*	25 g	65 g 86 g	206 g 272 g	860 g 1060 g



	OFS14-90	OFS20-90 OFS20-90S	OFS30-90 OFS30-90S
Fluide *Medium*	Air comprimé selon ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*		
Corps de la pince *Gripper body*	Aluminium *Aluminium*		
Pression d'utilisation *Pressure range*	2.5 ÷ 8 bar		
Température d'utilisation *Temperature range*	5 ÷ 60 °C.		
Course *Stroke*	95°		
Alésage *Piston bore*	Ø10 mm	Ø16 mm	Ø25 mm
Couple en fermeture à 6 bars *Closing torque at 6 bar*	19 Ncm	70 Ncm	300 Ncm
Consommation d'air par cycle *Cycle air consumption*	1 cm^3	3.52 cm^3	12.9 cm^3
Poids *Weight*	23 g	60 g 80 g	185 g 245 g

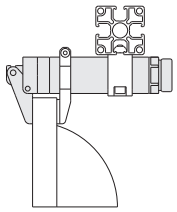


Doigt de préhension à blocage angulaire, série OF

- Action simple effet.
- Capteurs magnétiques en option.
- Graisse alimentaire FDA-H1.

One finger angular pneumatic grippers for clamping, series OF

- *Single acting.*
- *Optional magnetic sensors.*
- *Food grade grease FDA-H1.*



	OFR14-95	OFR20-95 OFR20-95S	OFR30-95 OFR30-95S	OFR50-95 OFR50-95S
Fluide *Medium*	Air comprimé selon ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*			
Corps de la pince *Gripper body*	Aluminium *Aluminium*			
Pression d'utilisation *Pressure range*	2.5 ÷ 8 bar			
Température d'utilisation *Temperature range*	5 ÷ 60 °C.			
Course *Stroke*	95°			
Alésage *Piston bore*	Ø10 mm	Ø16 mm	Ø25 mm	Ø40 mm
Couple en fermeture à 6 bars *Closing torque at 6 bar*	19 Ncm	70 Ncm	300 Ncm	1250 Ncm
Consommation d'air par cycle *Cycle air consumption*	1 cm^3	3.52 cm^3	12.9 cm^3	80 cm^3
Poids *Weight*	25 g	60 g 81 g	193 g 257 g	790 g 990 g



	OFR14-95M	OFR20-95M OFR20-95SM	OFR30-95M OFR30-95SM
Fluide *Medium*	Air comprimé selon ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*		
Corps de la pince *Gripper body*	Aluminium *Aluminium*		
Pression d'utilisation *Pressure range*	2.5 ÷ 8 bar		
Température d'utilisation *Temperature range*	5 ÷ 60 °C.		
Course *Stroke*	95°		
Alésage *Piston bore*	Ø10 mm	Ø16 mm	Ø25 mm
Couple en fermeture à 6 bars *Closing torque at 6 bar*	19 Ncm	70 Ncm	300 Ncm
Consommation d'air par cycle *Cycle air consumption*	1 cm^3	3.52 cm^3	12.9 cm^3
Poids *Weight*	25 g	60 g 81 g	790 g 990 g



	OFR14-95G	OFR20-95G OFR20-95SG	OFR30-95G OFR30-95SG
Fluide *Medium*	Air comprimé selon ISO 8573-1:2010 [7:4:4] *Compressed air in compliance with ISO 8573-1:2010 [7:4:4]*		
Corps de la pince *Gripper body*	Aluminium *Aluminium*		
Pression d'utilisation *Pressure range*	2.5 ÷ 8 bar		
Température d'utilisation *Temperature range*	5 ÷ 60 °C.		
Course *Stroke*	95°		
Alésage *Piston bore*	Ø10 mm	Ø16 mm	Ø25 mm
Couple en fermeture à 6 bars *Closing torque at 6 bar*	19 Ncm	70 Ncm	300 Ncm
Consommation d'air par cycle *Cycle air consumption*	1 cm^3	3.52 cm^3	12.9 cm^3
Poids *Weight*	30 g	80 g 100 g	230 g 300 g

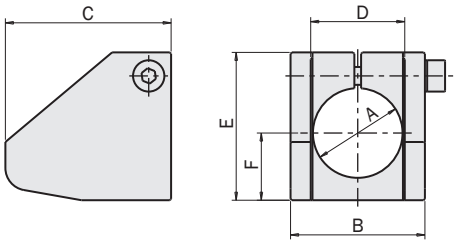


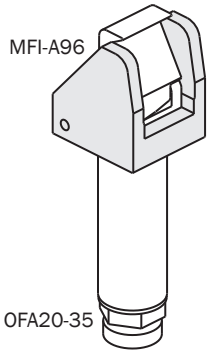
Guide doigt de préhension

(kit complet de vis)

Gripper guide

(kit with screws)





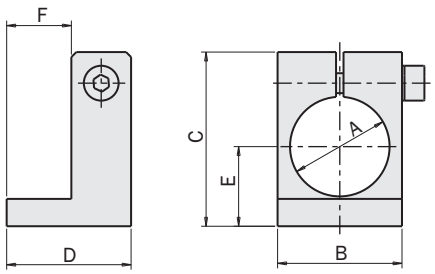
	MFI-A96	MFI-A97
A [mm]	Ø20	Ø30
B [mm]	30	45
C [mm]	37	65
D [mm]	21	32
E [mm]	33	44
F [mm]	15	20
Poids *Weight*	20 g	60 g

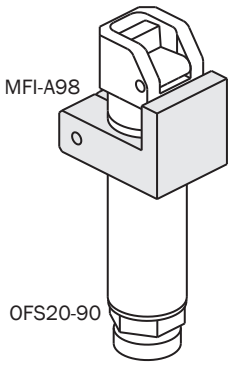
Butée pinces OFS

(kit complet de vis)

Stopper for OFS grippers

(kit with screws)





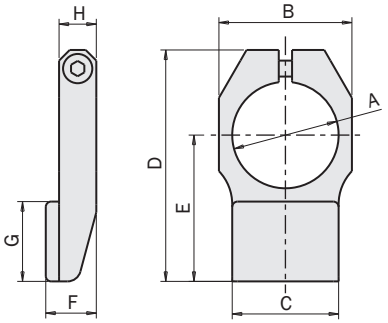
	MFI-A271	MFI-A98	MFI-A99
A [mm]	Ø14	Ø20	Ø30
B [mm]	19	25	35
C [mm]	24	40	45
D [mm]	12	25	25
E [mm]	11	16	21
F [mm]	6	13	13
Poids *Weight*	5 g	14 g	23 g

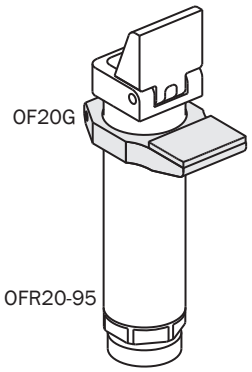
Butée pinces OFR

(kit complet de vis)

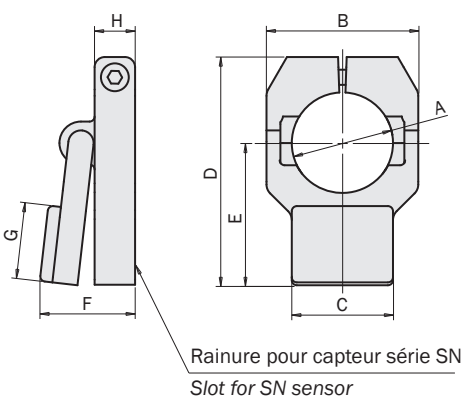
Stopper for OFR grippers

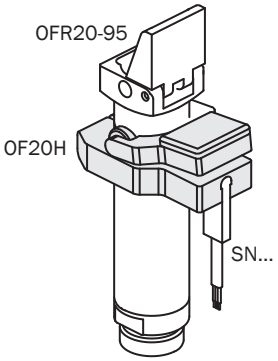
(kit with screws)





	OF14G	OF20G	OF30G
A [mm]	Ø14	Ø20	Ø30
B [mm]	19	25	37
C [mm]	14	20	30
D [mm]	32	43.5	63
E [mm]	19	27.5	40
F [mm]	10	9.5	12
G [mm]	11	15	20
H [mm]	6	7	9
Poids *Weight*	6g	12g	30g





	OF14H	OF20H	OF30H
A [mm]	Ø14	Ø20	Ø30
B [mm]	22	30	42
C [mm]	14	20	30
D [mm]	34,5	45	64
E [mm]	21	28	40
F [mm]	17,6	18,7	25,5
G [mm]	11	15	20
H [mm]	8	8	12
I [mm]	Gorge pour capteurs SN *Slot for SN sensors*		
Poids Weight	15g	20g	28g

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Capteurs magnétiques en option

Le relevé de la position de travail est confié à un ou plusieurs capteurs magnétiques de proximité (facultatifs), qui relèvent la position grâce à l'aimant sur le piston.
Donc, pour un correct fonctionnement, il faut éviter l'utilisation en présence de forts champs magnétiques ou à proximité de grosses pièces ferromagnétiques.

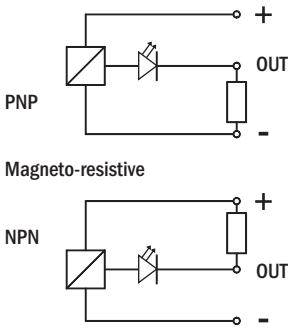
Les capteurs utilisés sont:

Optional magnetic 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.

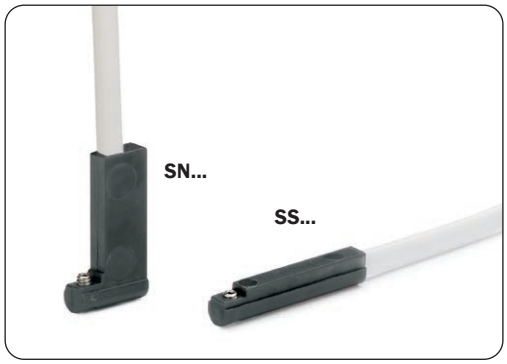
The sensors that can be used are:

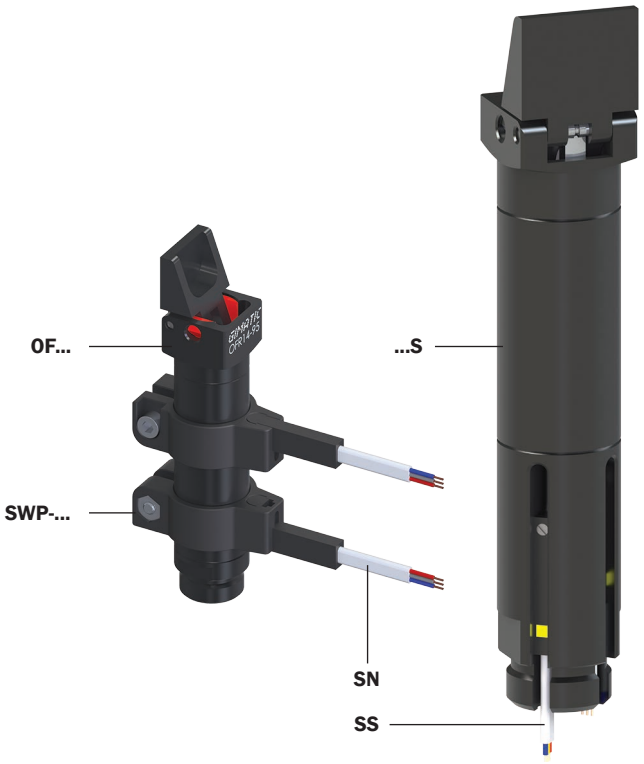
SN4N225-G	PNP	Câble 2.5m *2.5m cable*
SN4M225-G	NPN	
SN3N203-G	PNP	Connecteur M8 *Snap M8 plug connector*
SN3M203-G	NPN	
SS4N225-G	PNP	Câble 2.5m *2.5m cable*
SS4M225-G	NPN	
SS3N203-G	PNP	Connecteur M8 *Snap M8 plug connector*
SS3M203-G	NPN	



Ils sont tous équipés d'un câble plat à trois fils et d'un voyant.

They are all provided with a 3-wire flat cable and a LED.





OF...	SWP-...
OF14...	SWP-014
OF20...	SWP-020
OF30...	SWP-030

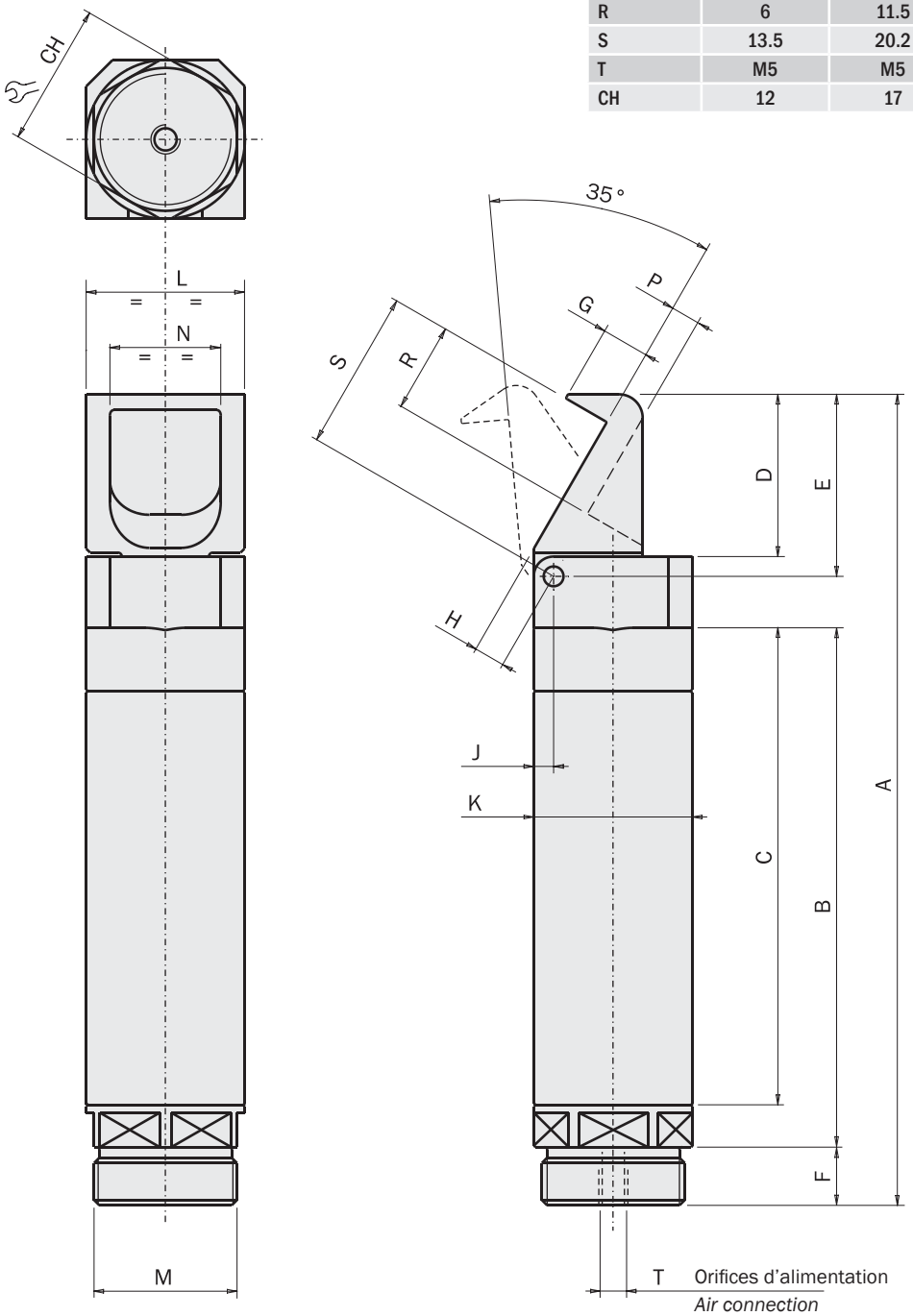
Dans les versions ...S les capteurs sont noyés dans leurs logements.
Dans les autres versions, un collier externe est nécessaire (SWP-...).

In the ...S versions, the sensors are embedded in their slots.
In the other versions, an external bracket (SWP-...) is required.

Dimensions (mm)
Dimensions (mm)

OFA...

	OFA14-35	OFA20-35	OFA30-35	OFA50-35
A	74	106	153	235.5
B	44	68.5	100	139
C	40	63.5	92	127
D	14	20.5	30	49.5
E	16	23	34	56
F	5.5	8	11	25
G	4.5	6	8	14
H	3.4	3.9	6	10
J	2	2.5	4	6.5
K	Ø14	Ø20	Ø30	Ø50
L	14	20	30	50
M	M12x1	M17x1	M27x1	M45x1.5
N	10	14	22	38
P	2	3	5	7
R	6	11.5	17	26
S	13.5	20.2	30.5	50
T	M5	M5	M5	G1/8"
CH	12	17	27	46



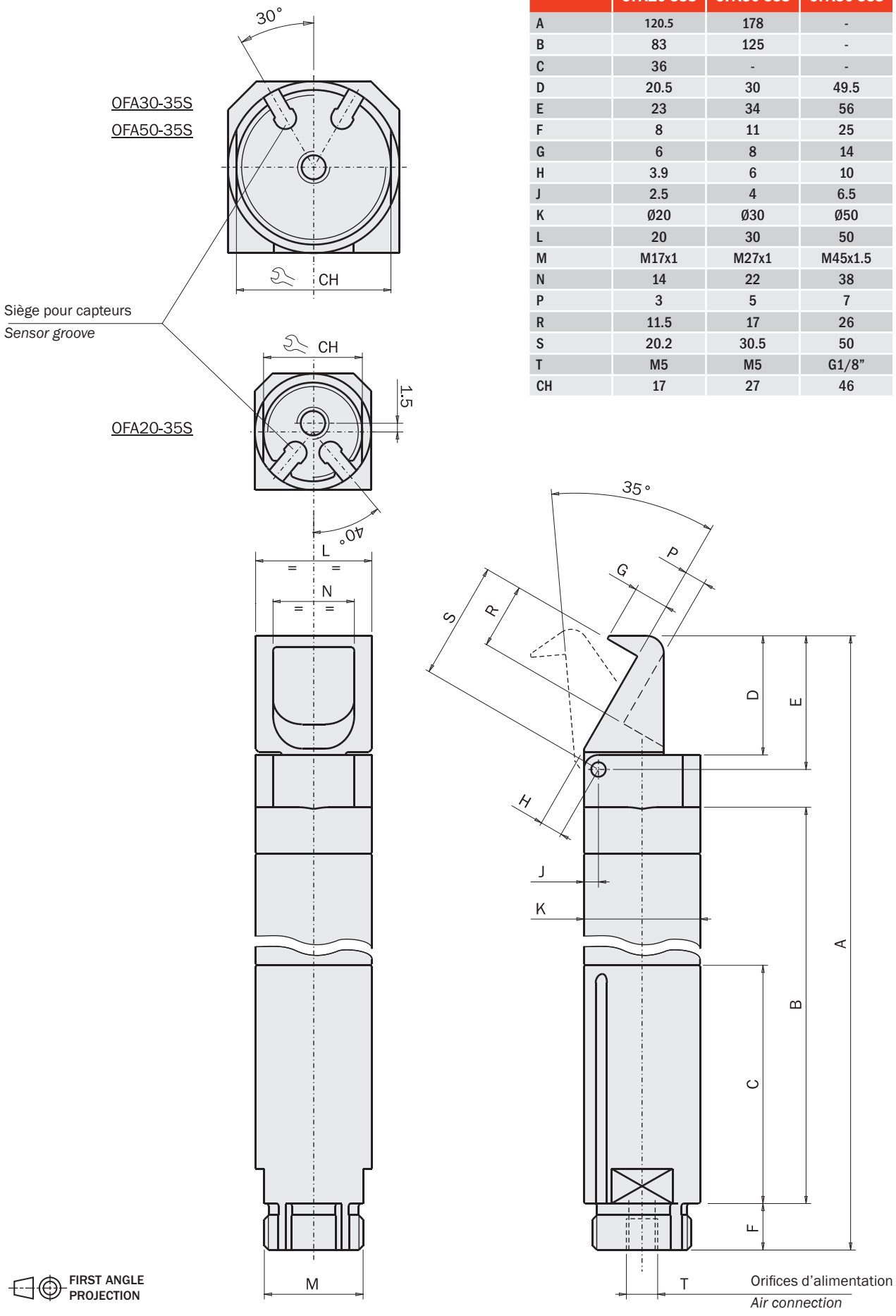
FIRST ANGLE PROJECTION

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Dimensions (mm)
Dimensions (mm)

OFA...S

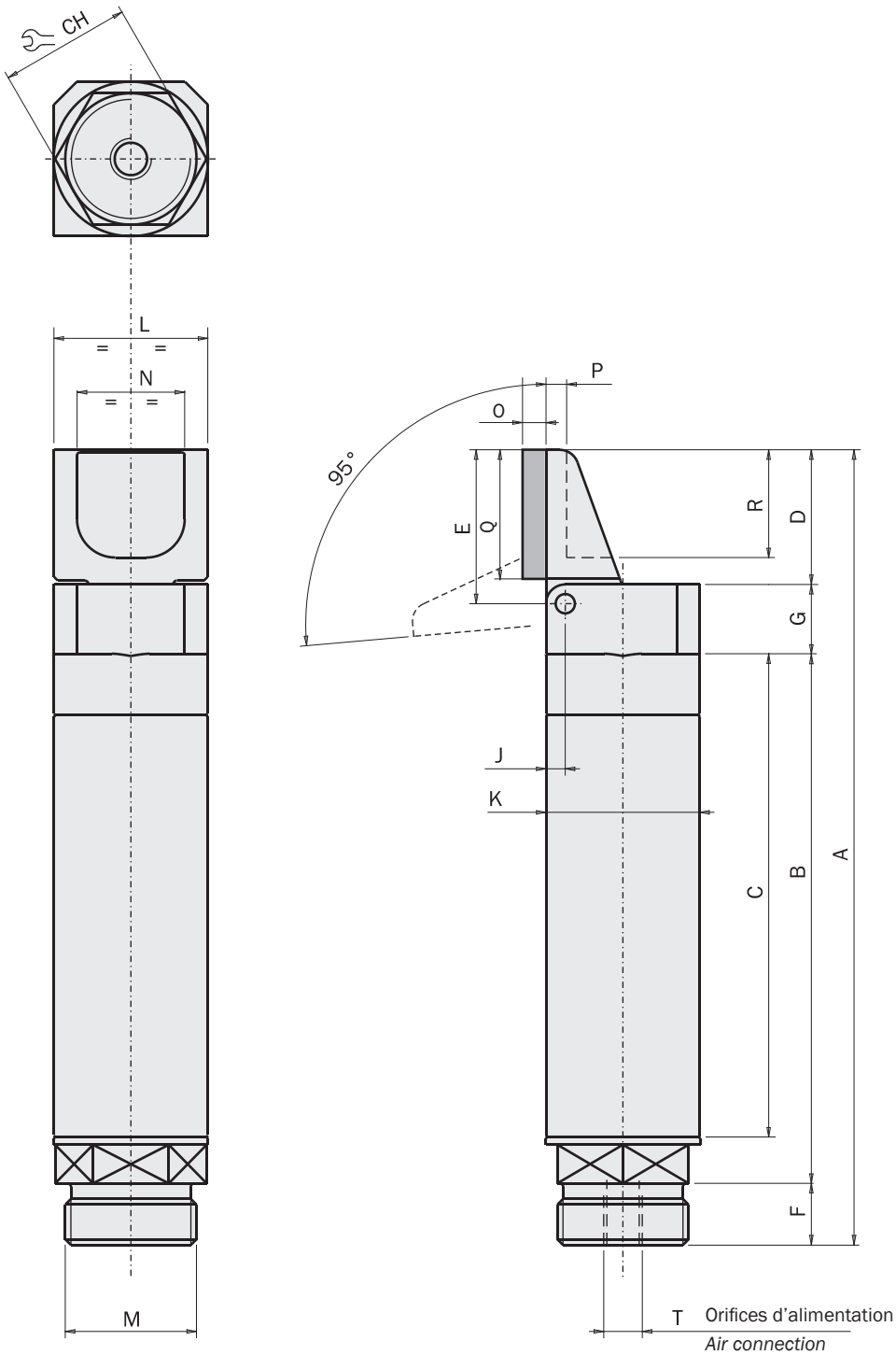
	OFA20-35S	OFA30-35S	OFA50-35S
A	120.5	178	-
B	83	125	-
C	36	-	-
D	20.5	30	49.5
E	23	34	56
F	8	11	25
G	6	8	14
H	3.9	6	10
J	2.5	4	6.5
K	Ø20	Ø30	Ø50
L	20	30	50
M	M17x1	M27x1	M45x1.5
N	14	22	38
P	3	5	7
R	11.5	17	26
S	20.2	30.5	50
T	M5	M5	G1/8"
CH	17	27	46



Dimensions (mm)
Dimensions (mm)

OFR...

	A	B	C	D	E	F	G	J	K	L	M	N	O	P	Q	R	CH	T
OFR14-95	72	41	40	12	14	5.5	10.5	2	Ø14	14	M12x1	10	-	2	-	9	12	M5
OFR20-95	103	68.5	62.5	17.5	20	8	9	2.5	Ø20	20	M17x1	14	-	3	-	14	17	M5
OFR30-95	148	100	92	25	29	11	12	4	Ø30	30	M27x1	22	-	5	-	21	27	M5
OFR50-95	227.5	139	114	41.5	48	25	12	6.5	Ø50	50	M45x1.5	38	-	7	-	34	46	G1/8"
OFR14-95M	72	41	40	12	14	5.5	10.5	2	Ø14	14	M12x1	10	2.5	2	11	9	12	M5
OFR20-95M	103	68.5	62.5	17.5	20	8	9	2.5	Ø20	20	M17x1	14	2.5	3	15	14	17	M5
OFR30-95M	148	100	92	25	29	11	12	4	Ø30	30	M27x1	22	3	5	20	21	27	M5



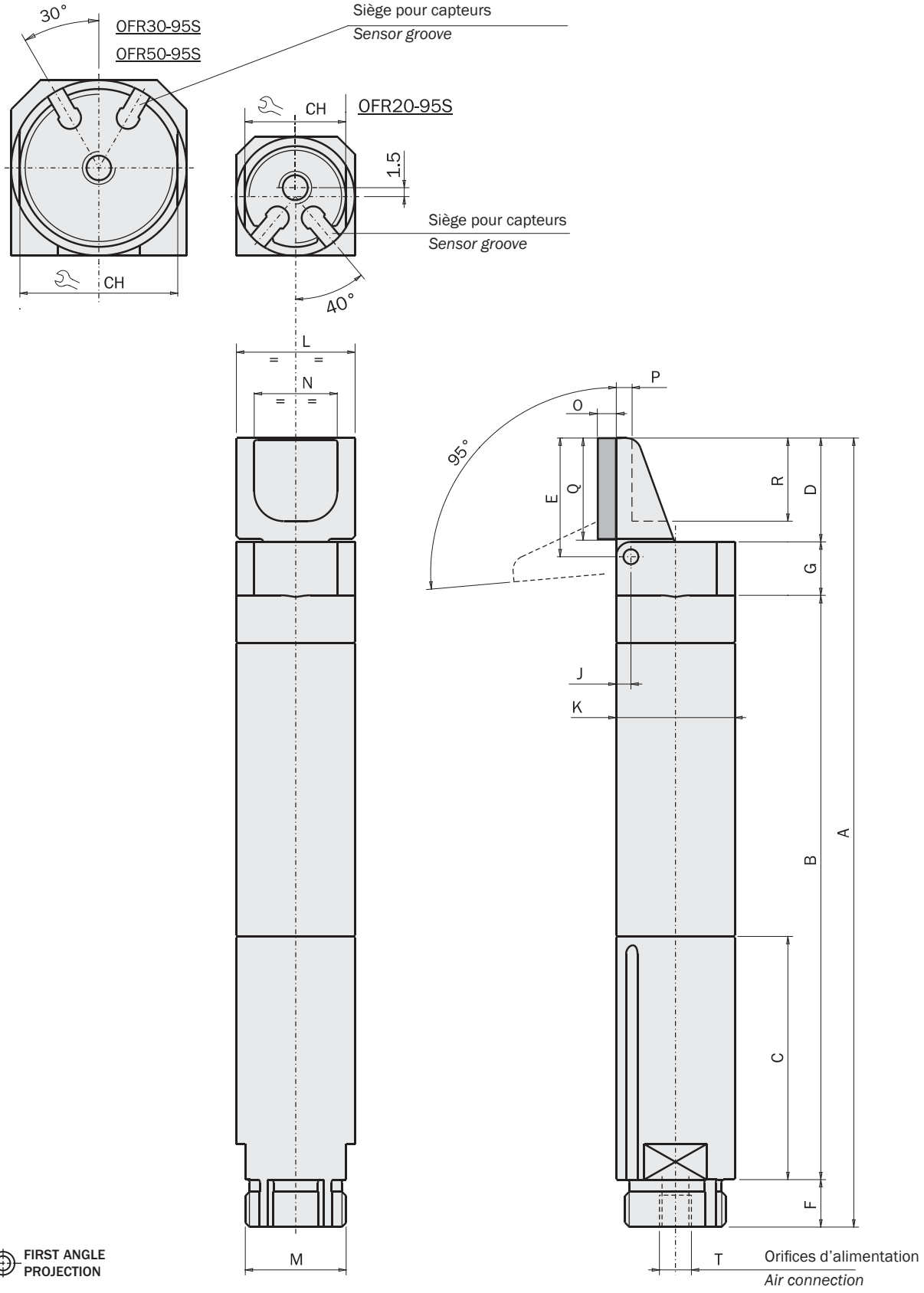
FIRST ANGLE PROJECTION

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Dimensions (mm)
Dimensions (mm)

OFR...S

	A	B	C	D	E	F	G	J	K	L	M	N	O	P	Q	R	T	CH
OFR20-95S	117.5	83	36	17.5	20	8	9	2.5	Ø20	20	M17x1	14	-	3	-	14	M5	17
OFR30-95S	173	125	-	25	29	11	12	4	Ø30	30	M27x1	22	-	5	-	21	M5	27
OFR50-95S	-	-	-	41.5	48	25	22	6.5	Ø50	50	M45x1.5	38	-	7	-	34	G1/8"	46
OFR20-95SM	117.5	83	36	17.5	20	8	9	2.5	Ø20	20	M17x1	14	2.5	3	15	14	M5	17
OFR30-95SM	173	125	-	25	29	11	12	4	Ø30	30	M27x1	22	3	5	20	21	M5	27



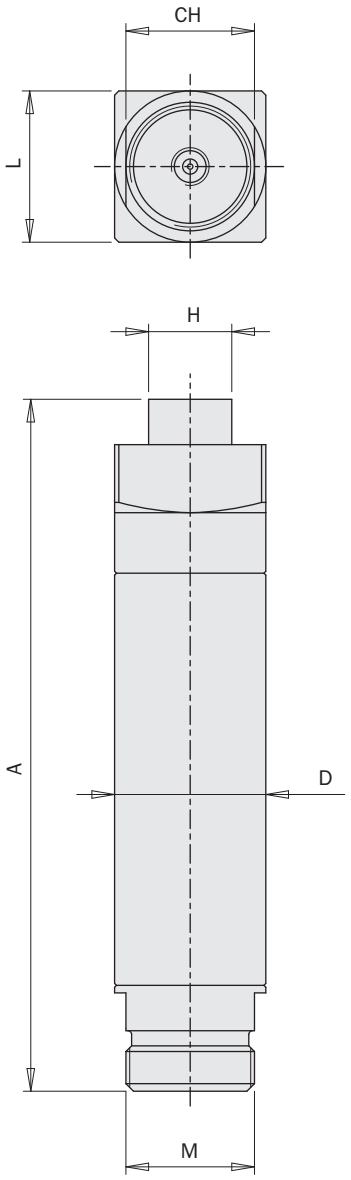
FIRST ANGLE PROJECTION

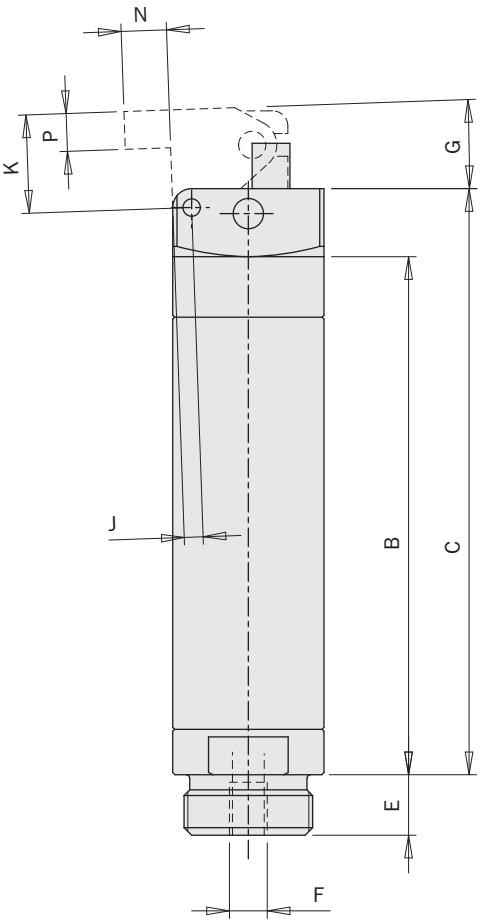
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Dimensions (mm)
Dimensions (mm)

OFS...

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	CH
OFS14-90	64	45.5	54.5	Ø14	5.5	M5	2°	8	2	9	14	M12x1	4	4	12
OFS20-90	91.5	68.5	77.5	Ø20	8	M5	2°	11	2.5	13	20	M17x1	6	5	17
OFS30-90	134	100	112	Ø30	11	M5	2°	14	4	20	30	M27x1	11	6	27





Orifices d'alimentation
Air connection

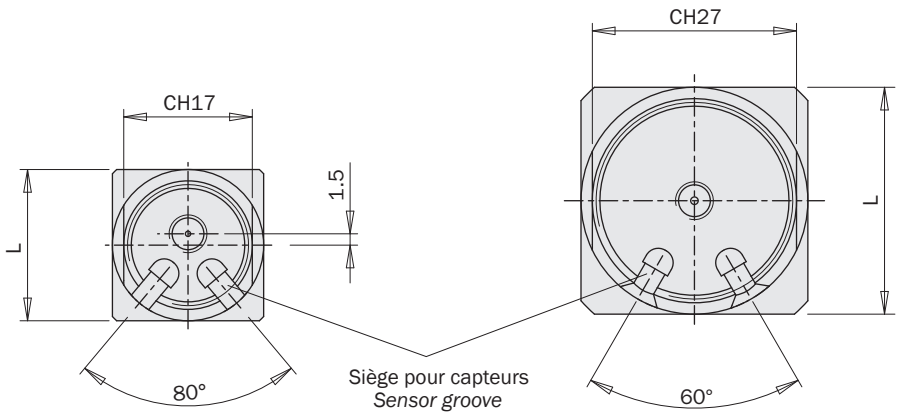
FIRST ANGLE PROJECTION

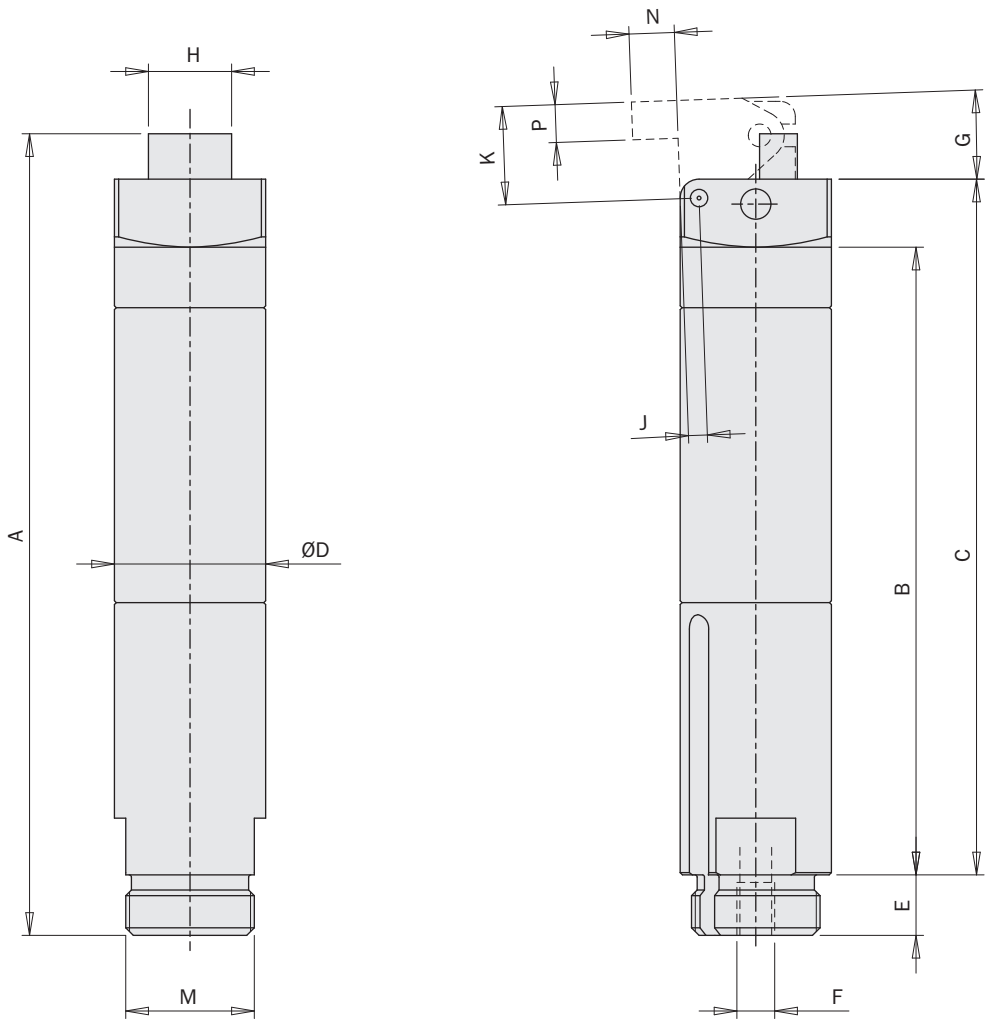
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Dimensions (mm)
Dimensions (mm)

OFS...S

	A	B	C	D	E	F	G	H	J	K	L	M	N	P
OFS20-90S	106	83	92	Ø20	8	M5	2°	11	2.5	13	20	M17x1	6	5
OFS30-90S	159	125	137	Ø30	11	M5	2°	14	4	20	30	M27x1	11	6





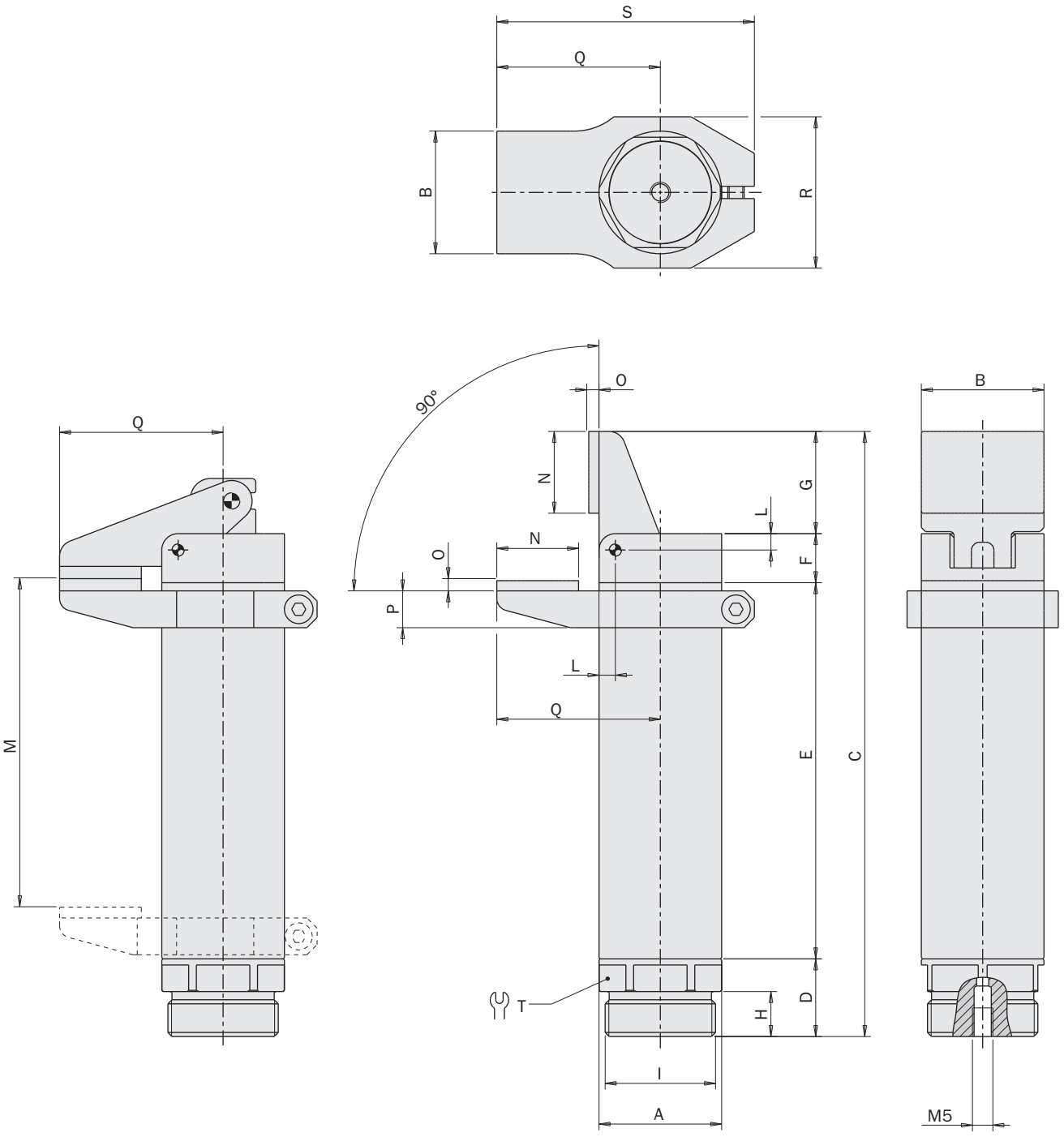
Orifices d'alimentation
Air connection

FIRST ANGLE PROJECTION

Dimensions (mm)
Dimensions (mm)

OFR...-95G

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T
OFR14-95G	Ø14	14	72	9.5	40	10.5	12	5.5	M12x1	2	34	11	2.5	7.5	19	19	32	12
OFR20-95G	Ø20	20	103	13	63.5	9	17.5	8	M17x1	2.5	53	15	2.5	7	27.5	25	43.5	17
OFR30-95G	Ø30	30	148	19	92	12	25	11	M27x1	4	80	20	3	9	40	37	63	27



Orifices d'alimentation
Air connection

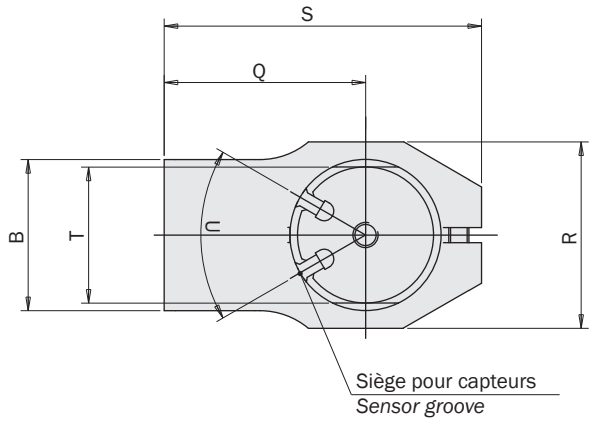
FIRST ANGLE PROJECTION

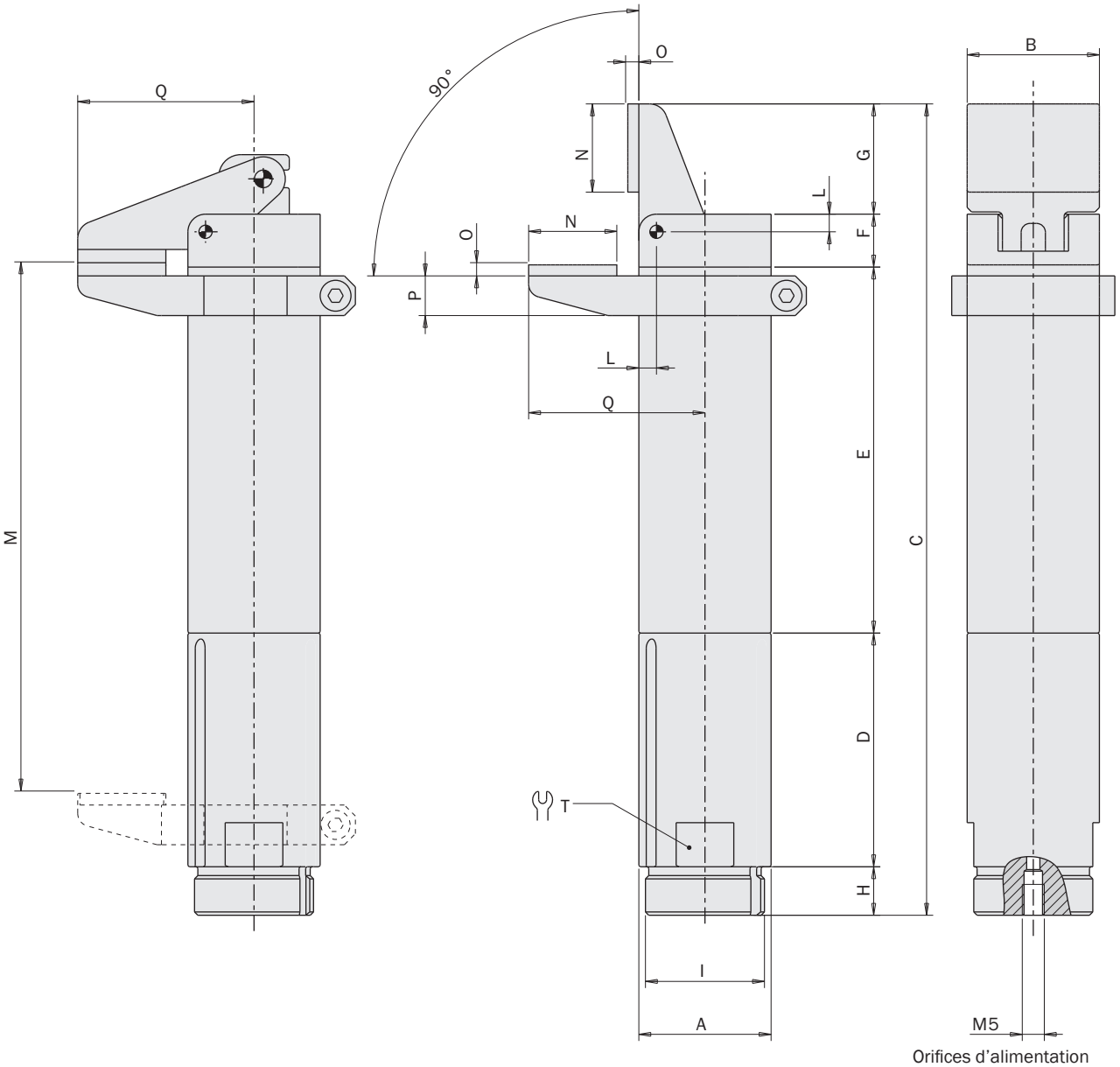
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Dimensions (mm)
Dimensions (mm)

OFR...-95SG

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
OFR20-95SG	Ø20	20	117.5	36	47	9	17.5	8	M17x1	2.5	73	15	2.5	7	27.5	25	43.5	17	60°
OFR30-95SG	Ø30	30	173	-	72	12	25	11	M27x1	4	110	20	3	9	40	37	63	27	80°





FIRST ANGLE PROJECTION