

Pinze pneumatiche mono-dito angolari per staffaggio, serie OF

- Azionamento a semplice effetto.
- Sensori magnetici opzionali.

One finger angular pneumatic grippers for clamping, series OF

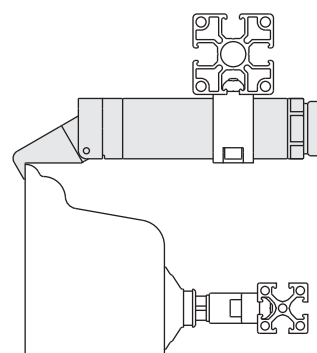
- Single acting.
- Optional magnetic sensors.

	OFA14-35	OFA20-35 OFA20-35S	OFA30-35 OFA30-35S	OFA50-35 OFA50-35S
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air			
Corpo pinza Gripper body	Alluminio Aluminium			
Pressione di esercizio Pressure range	2.5 ÷ 8 bar			
Temperatura di esercizio Temperature range	5 ÷ 60 °C.			
Corsa Stroke	35°			
Alesaggio Piston bore	Ø10 mm	Ø16 mm	Ø25 mm	Ø40 mm
Coppia di chiusura a 6 bar Closing torque at 6 bar	26 Ncm	100 Ncm	430 Ncm	1900 Ncm
Consumo d'aria per ciclo Cycle air consumption	0.4 cm ³	1.24 cm ³	4.56 cm ³	43 cm ³
Peso Weight	25 g	65 g 86 g	206 g 272 g	860 g 1060 g

OFA...-35S



OFA...-35

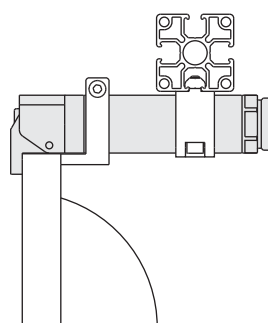


	OFS14-90	OFS20-90 OFS20-90S	OFS30-90 OFS30-90S
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air		
Corpo pinza Gripper body	Alluminio Aluminium		
Pressione di esercizio Pressure range	2.5 ÷ 8 bar		
Temperatura di esercizio Temperature range	5 ÷ 60 °C.		
Corsa Stroke	95°		
Alesaggio Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Coppia di chiusura a 6 bar Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm
Consumo d'aria per ciclo Cycle air consumption	1 cm ³	3.52 cm ³	12.9 cm ³
Peso Weight	23 g	60 g 80 g	185 g 245 g

OFS...-90S



OFS...-90



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One finger angular pneumatic grippers for clamping, series OF

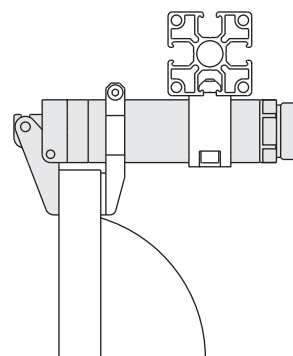
- Single acting.
- Optional magnetic sensors.

	OFR14-95	OFR20-95 OFR20-95S	OFR30-95 OFR30-95S	OFR50-95 OFR50-95S
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air			
Corpo pinza Gripper body	Alluminio Aluminium			
Pressione di esercizio Pressure range	2.5 ÷ 8 bar			
Temperatura di esercizio Temperature range	5 ÷ 60 °C.			
Corsa Stroke	95°			
Alesaggio Piston bore	Ø10 mm	Ø16 mm	Ø25 mm	Ø40 mm
Coppia di chiusura a 6 bar Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm	1250 Ncm
Consumo d'aria per ciclo Cycle air consumption	1 cm ³	3.52 cm ³	12.9 cm ³	80 cm ³
Peso Weight	25 g	60 g 81 g	193 g 257 g	790 g 990 g

OFR...-95S



OFR...-95

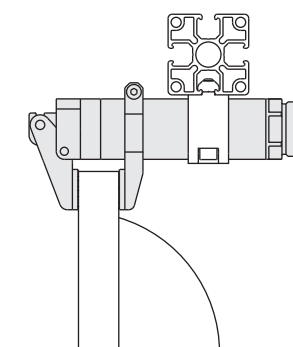


	OFR14-95G	OFR20-95G OFR20-95SG	OFR30-95G OFR30-95SG
Fluido Medium	Aria compressa filtrata, lubrificata / non lubrificata Filtered, lubricated / non lubricated compressed air		
Corpo pinza Gripper body	Alluminio Aluminium		
Pressione di esercizio Pressure range	2.5 ÷ 8 bar		
Temperatura di esercizio Temperature range	5 ÷ 60 °C.		
Corsa Stroke	95°		
Alesaggio Piston bore	Ø10 mm	Ø16 mm	Ø25 mm
Coppia di chiusura a 6 bar Closing torque at 6 bar	19 Ncm	70 Ncm	300 Ncm
Consumo d'aria per ciclo Cycle air consumption	1 cm ³	3.52 cm ³	12.9 cm ³
Peso Weight	30 g	80 g 100 g	230 g 300 g

OFR...-95SG

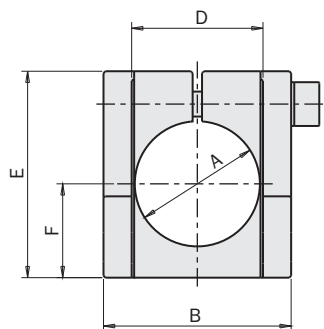
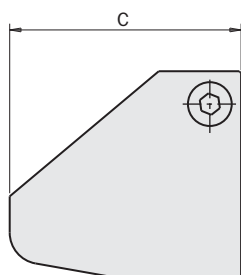


OFR...-95G



Guida pinza

(kit completo di viti)

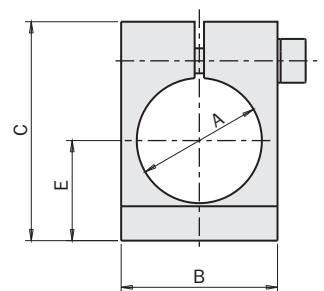
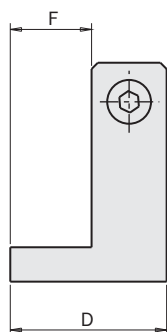
**Gripper guide**

(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
Peso / Weight	20 g	60 g

Riscontro per pinze OFS

(kit completo di viti)

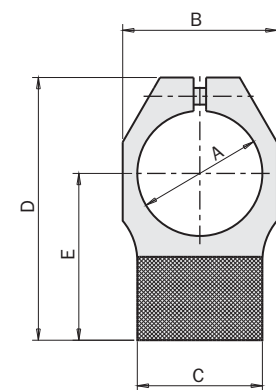
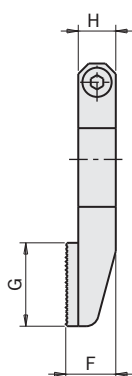
**Stopper for OFS grippers**

(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
Peso / Weight	5 g	14 g	23 g

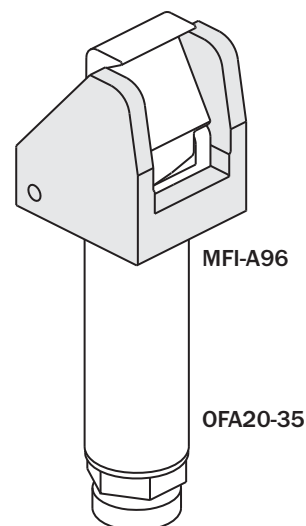
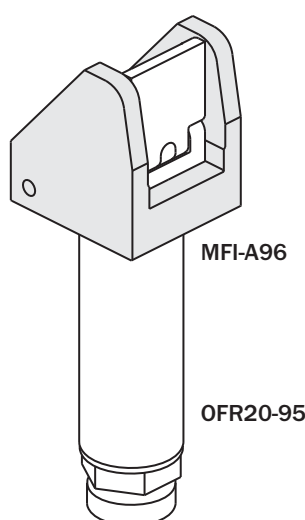
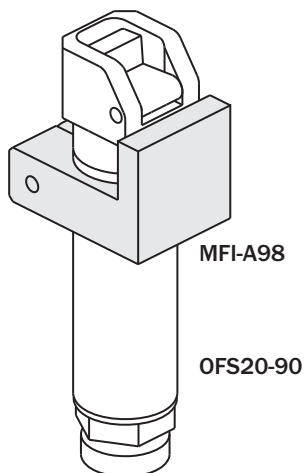
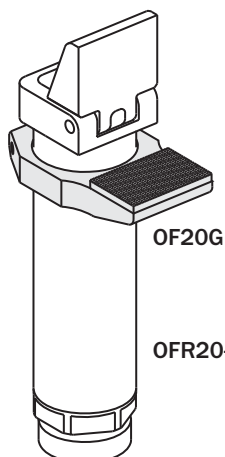
Riscontro per pinze OFR

(kit completo di viti)

**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
Peso / Weight	6 g	12 g	30 g

Esempi di utilizzo / Application examples

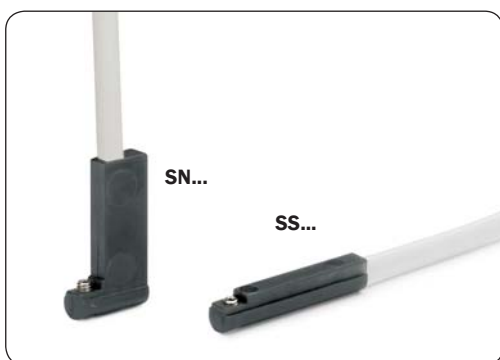
Sensori magnetici opzionali

Il rilevamento della posizione di lavoro è affidato a uno o più sensori magnetici di prossimità (opzionali), che rilevano la posizione attraverso il magnete sul pistone. Quindi, per un corretto funzionamento, è da evitare l'impiego in presenza di forti campi magnetici od in prossimità di grosse masse di materiale ferromagnetico.

I sensori utilizzabili sono:

SN4N225-G	PNP	cavo 2.5m / 2.5m cable
SN4M225-G	NPN	cavo 2.5m / 2.5m cable
SN3N203-G	PNP	Connettore M8 / Snap M8 plug connector
SN3M203-G	NPN	Connettore M8 / Snap M8 plug connector
SS4N225-G	PNP	cavo 2.5m / 2.5m cable
SS4M225-G	NPN	cavo 2.5m / 2.5m cable
SS3N203-G	PNP	Connettore M8 / Snap M8 plug connector
SS3M203-G	NPN	Connettore M8 / Snap M8 plug connector

Sono tutti dotati di un cavo piatto a tre fili e di un led.



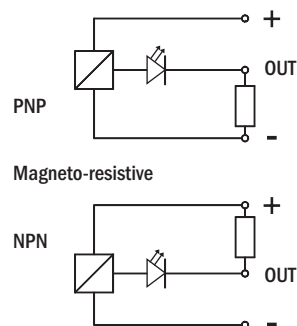
OF...	SWP-...
OF14...	SWP-014
OF20...	SWP-020
OF30...	SWP-030

Nelle versioni ...S i sensori sono annegati nelle apposite cave. Nelle altre versioni è necessaria una fascetta esterna (SWP-...).

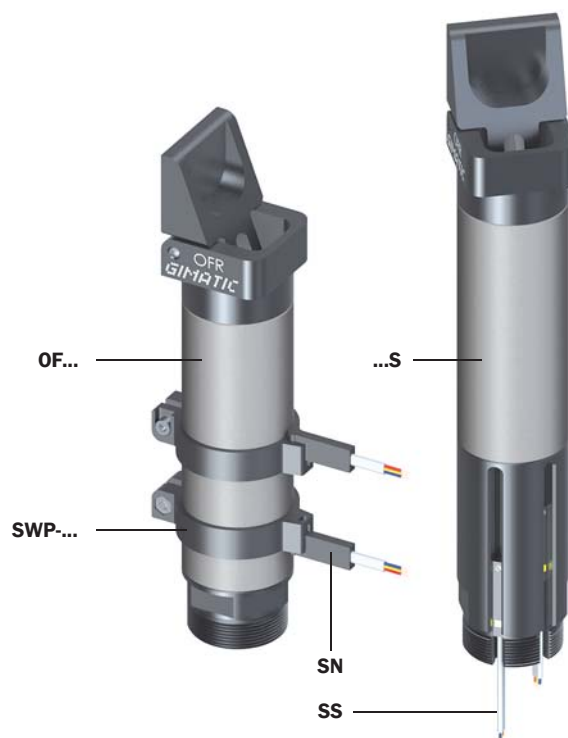
Optional magnetic sensors

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:

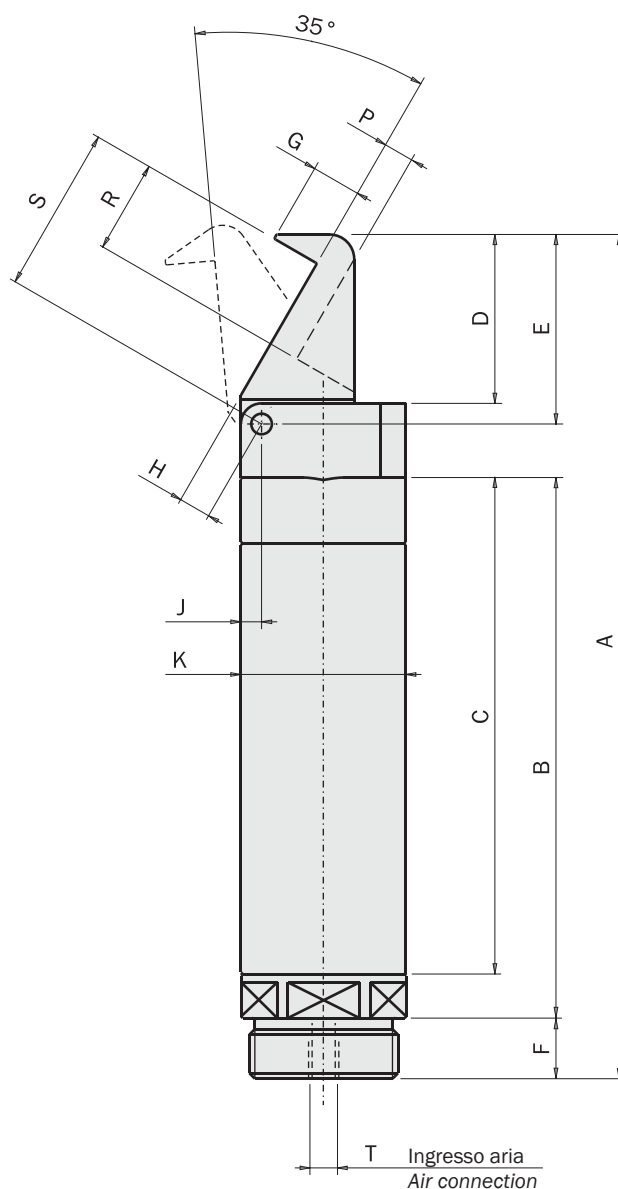
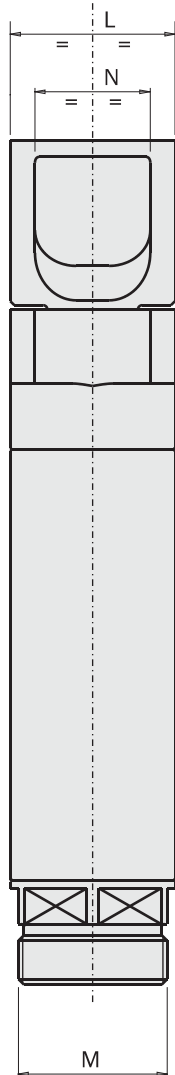
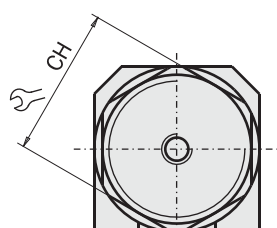


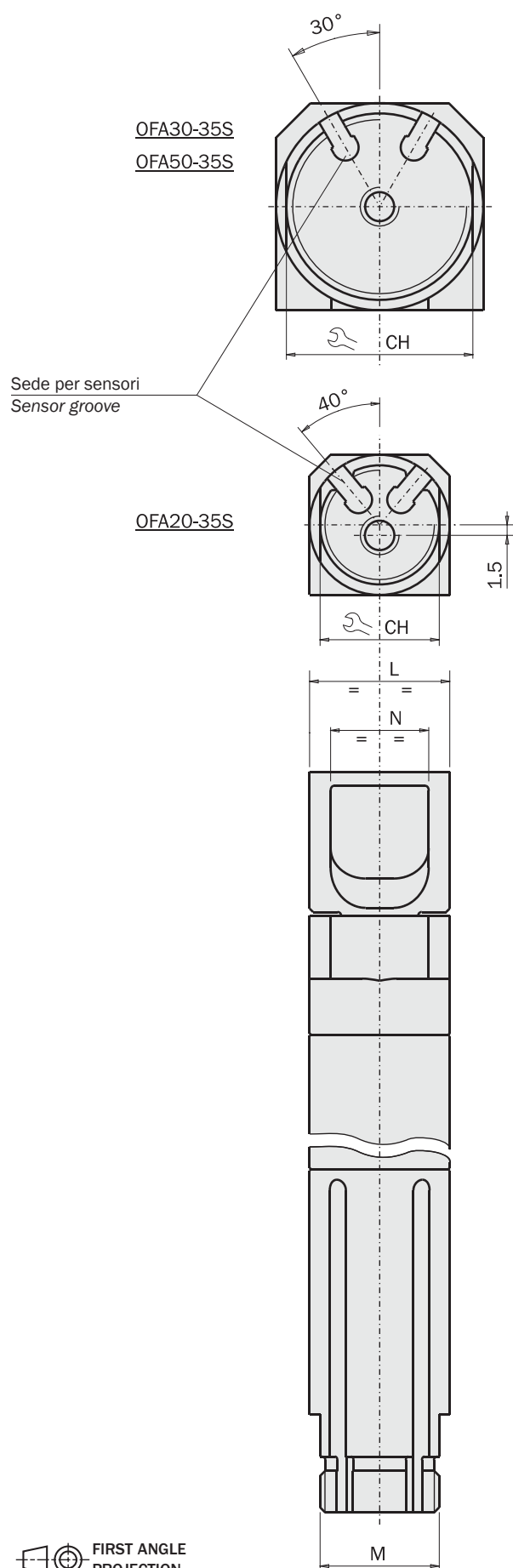
They are all provided with a 3-wire flat cable and a LED.



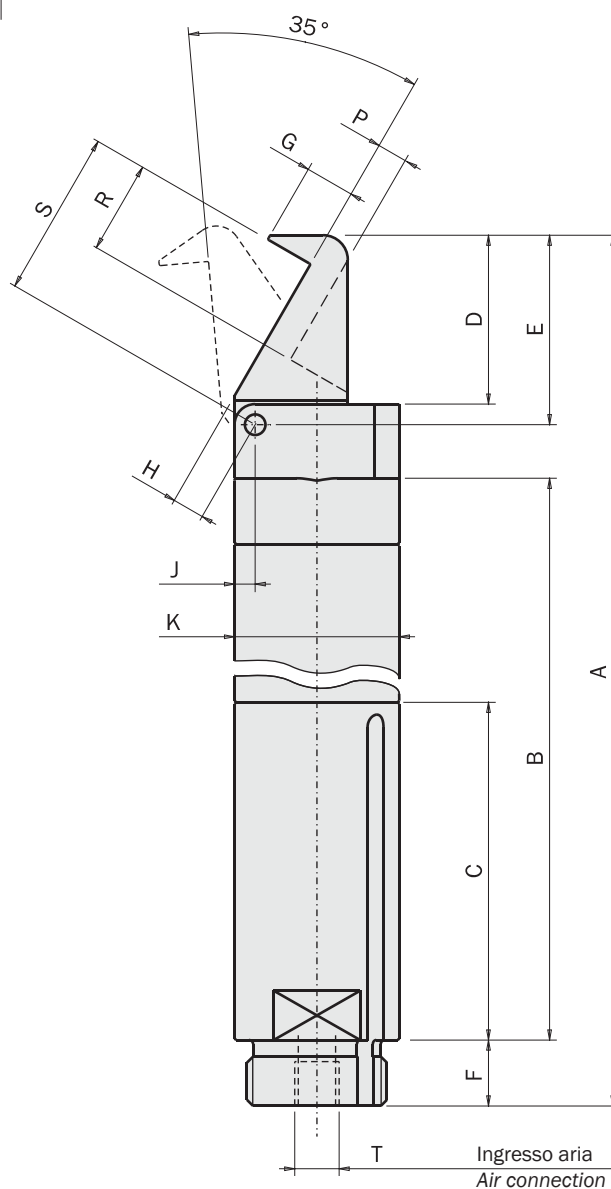
In the ...S versions, the sensors are embedded in their slots. In the other versions, an external bracket (SWP-...) is required.

	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

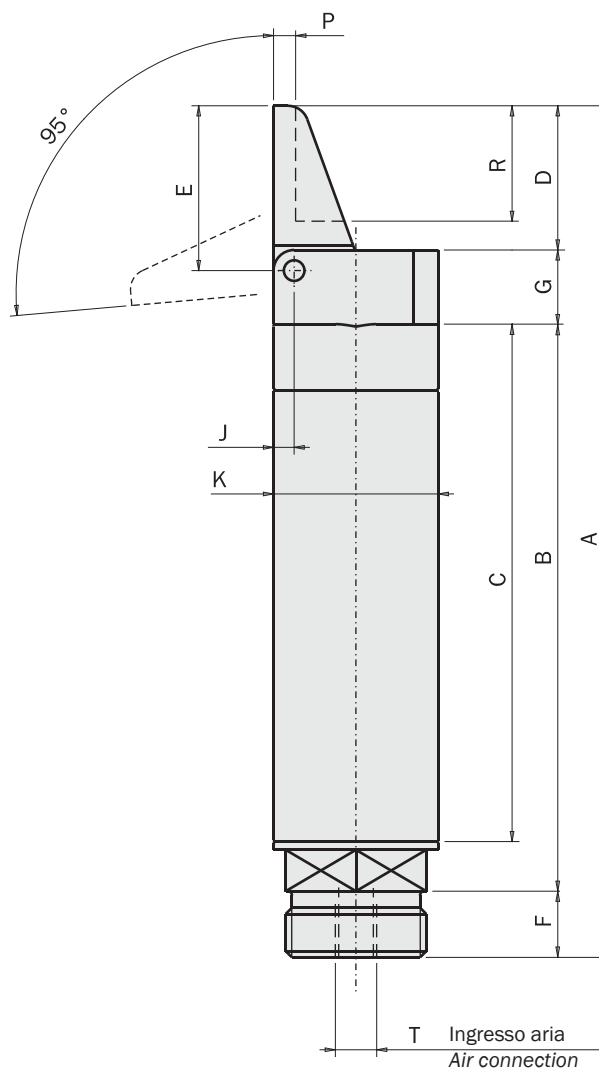
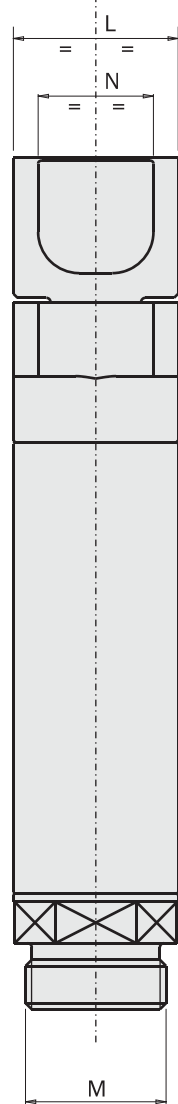
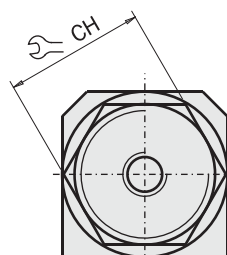




	OFA20-35S	OFA30-35S	OFA50-35S
A	136	189	280.5
B	98.8	136	184
C	41	53	57
D	20.5	30	49.5
E	23	34	56
F	8	11	25
G	6	8	14
H	3.9	6	10
J	2.5	4	6.5
K	Ø20	Ø30	Ø50
L	20	30	50
M	M17x1	M27x1	M45x1.5
N	14	22	38
P	3	5	7
R	11.5	17	26
S	20.2	30.5	50
T	M5	M5	G1/8"
CH	17	27	46



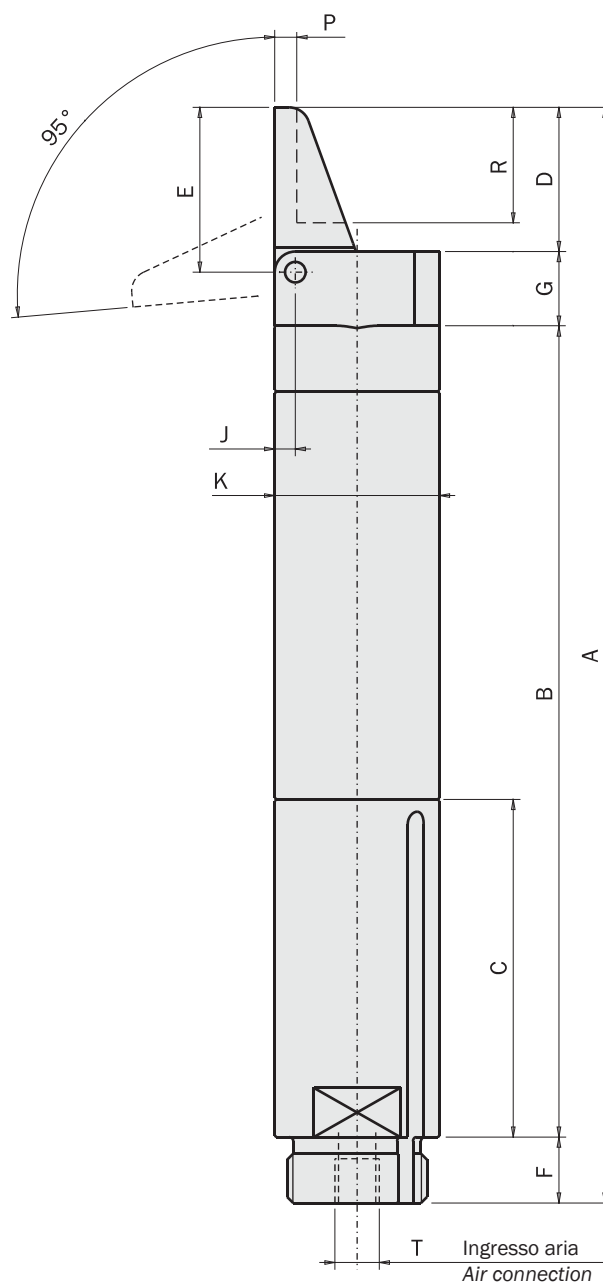
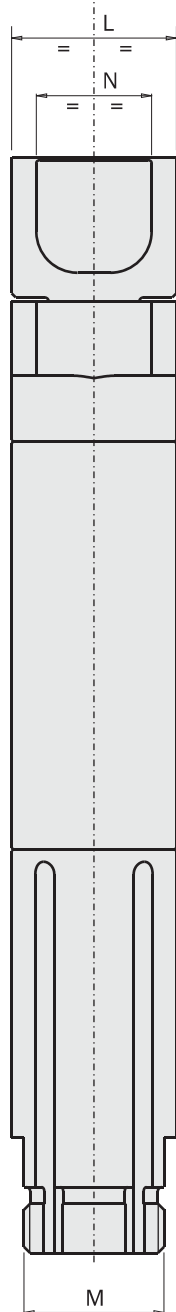
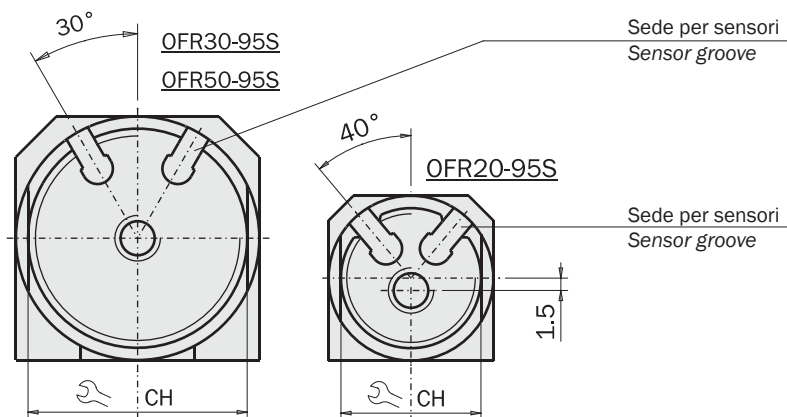
	A	B	C	D	E	F	G	J	K	L	M	N	P	R	CH	T
OFR14-95	72	41	40	12	14	5.5	10.5	2	Ø14	14	M12x1	10	2	9	12	M5
OFR20-95	103	68.5	62.5	17.5	20	8	9	2.5	Ø20	20	M17x1	14	3	14	17	M5
OFR30-95	148	100	92	25	29	11	12	4	Ø30	30	M27x1	22	5	21	27	M5
OFR50-95	227.5	139	114	41.5	48	25	12	6.5	Ø50	50	M45x1.5	38	7	34	46	G1/8"



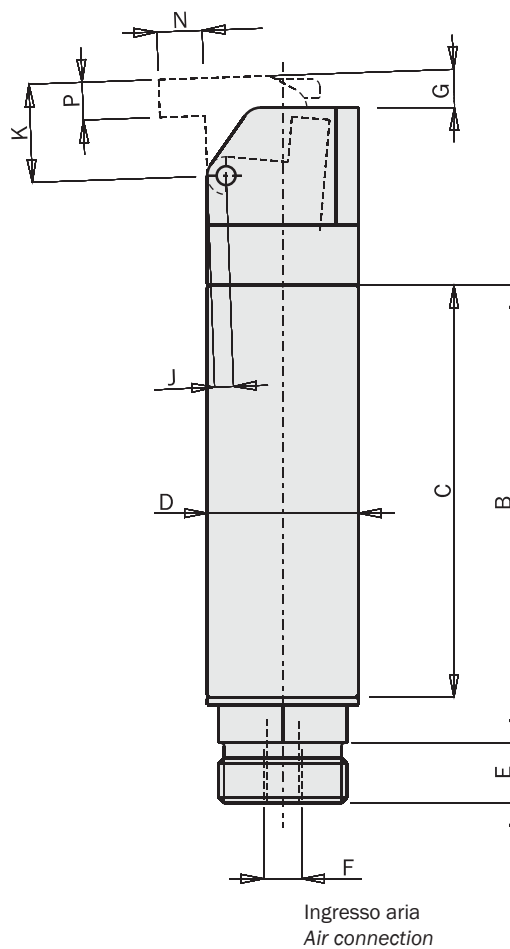
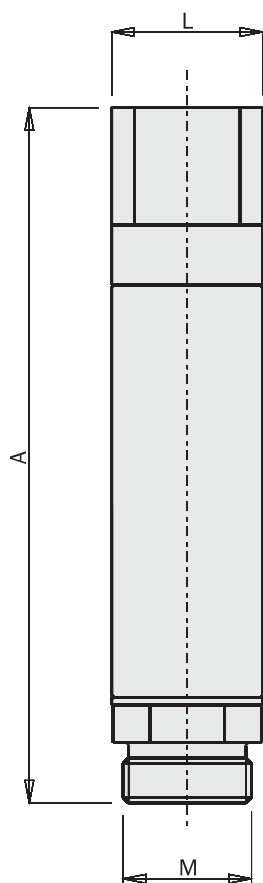
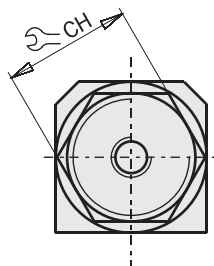
Dimensioni (mm) / Dimensions (mm)

OFR...S

	A	B	C	D	E	F	G	J	K	L	M	N	P	R	T	CH
OFR20-95S	133	98.5	41	17.5	20	8	9	2.5	Ø20	20	M17x1	14	3	14	M5	17
OFR30-95S	184	136	53	25	29	11	12	4	Ø30	30	M27x1	22	5	21	M5	27
OFR50-95S	272.5	184	57	41.5	48	25	22	6.5	Ø50	50	M45x1.5	38	7	34	G1/8"	46



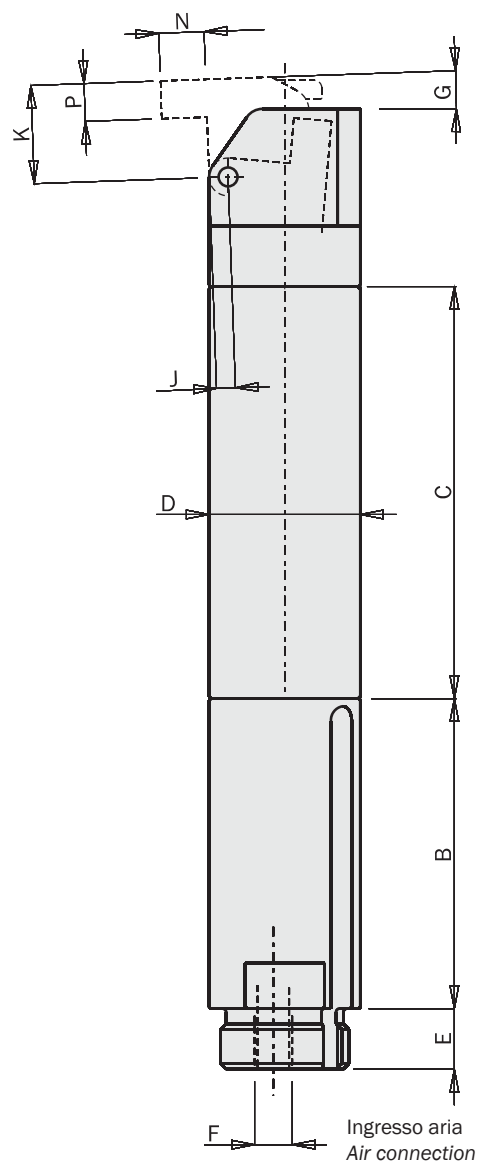
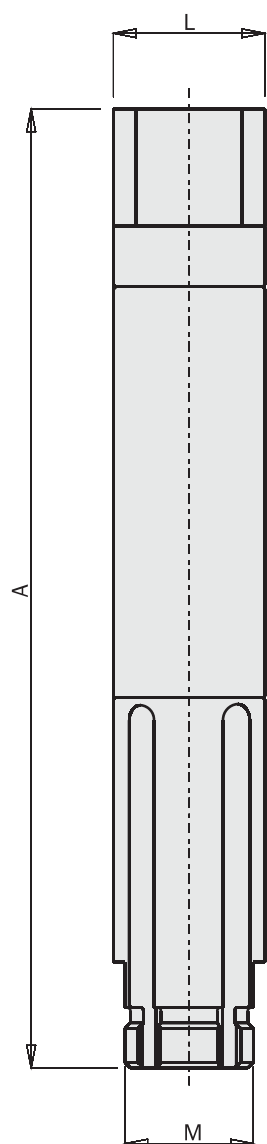
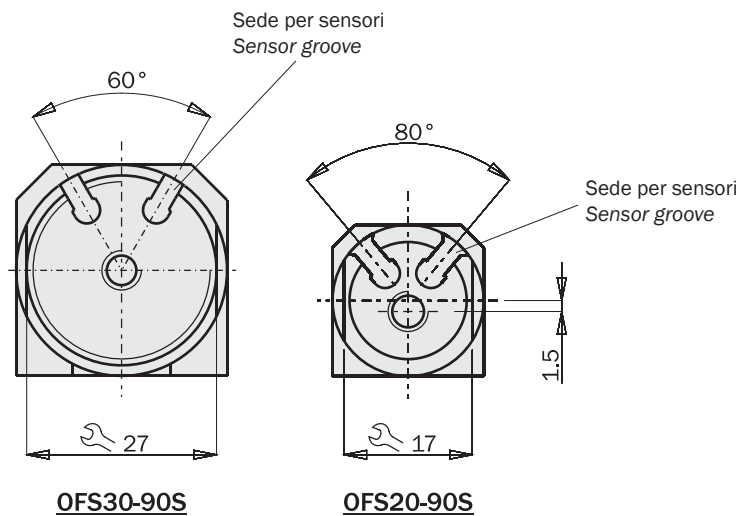
	A	B	C	D	E	F	G	J	K	L	M	N	P	CH
OFS14-90	63	42	38	Ø14	5.5	M5	2°	2	9	14	M12x1	4	4	12
OFS20-90	92	60.5	54.5	Ø20	8	M5	2°	2.5	13	20	M17x1	6	5	17
OFS30-90	134.5	90	82	Ø30	11	M5	2°	4	20	30	M27x1	11	6	27



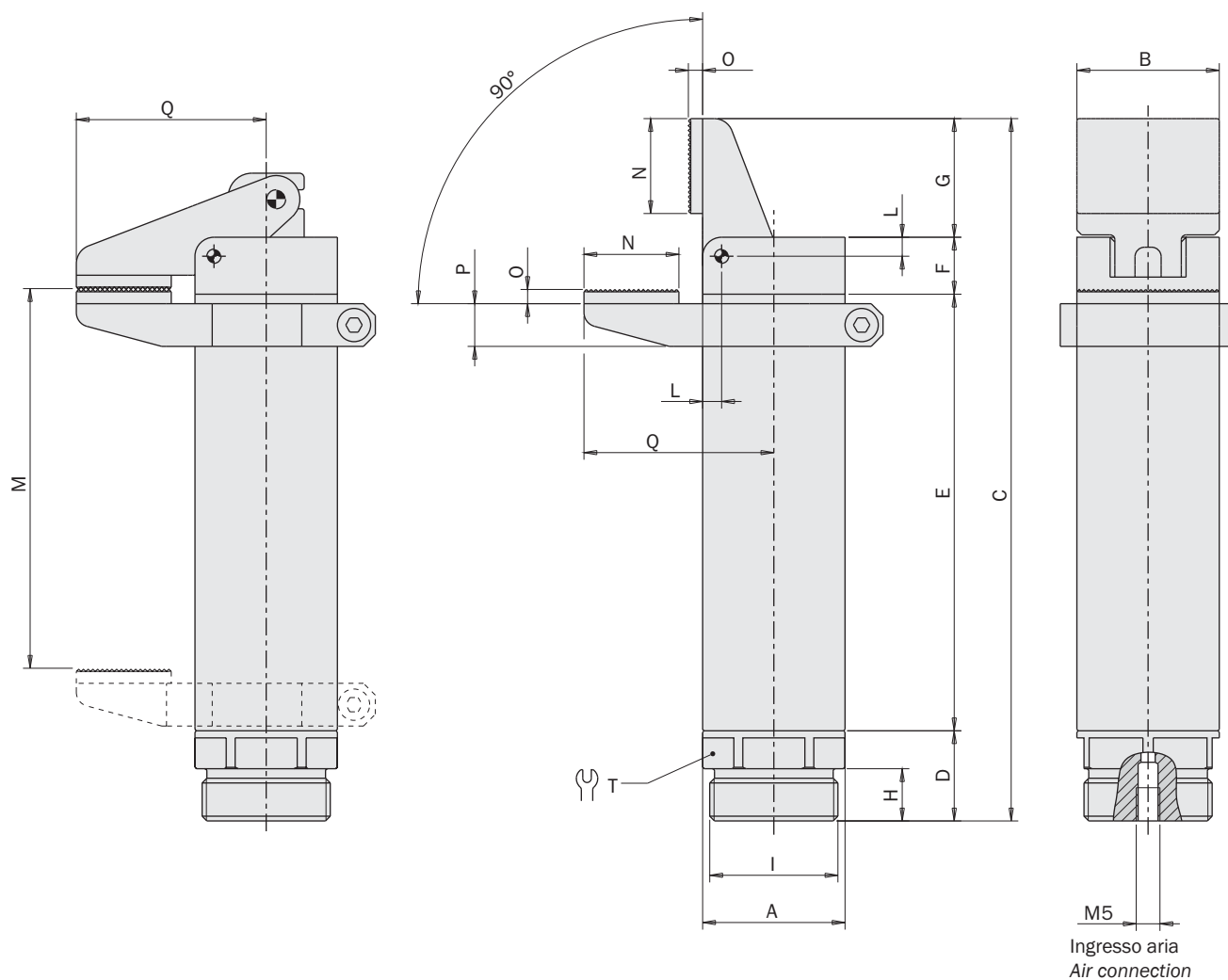
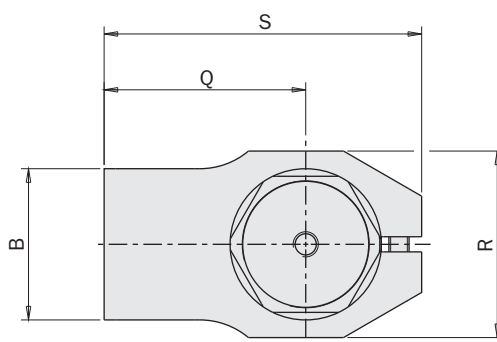
Dimensioni (mm) / Dimensions (mm)

OFS...S

	A	B	C	D	E	F	G	J	K	L	M	N	P
OFS20-90S	122	41	49.5	Ø20	8	M5	2°	2.5	13	20	M17x1	6	5
OFS30-90S	170.5	53	73	Ø30	11	M5	2°	4	20	30	M27x1	11	6



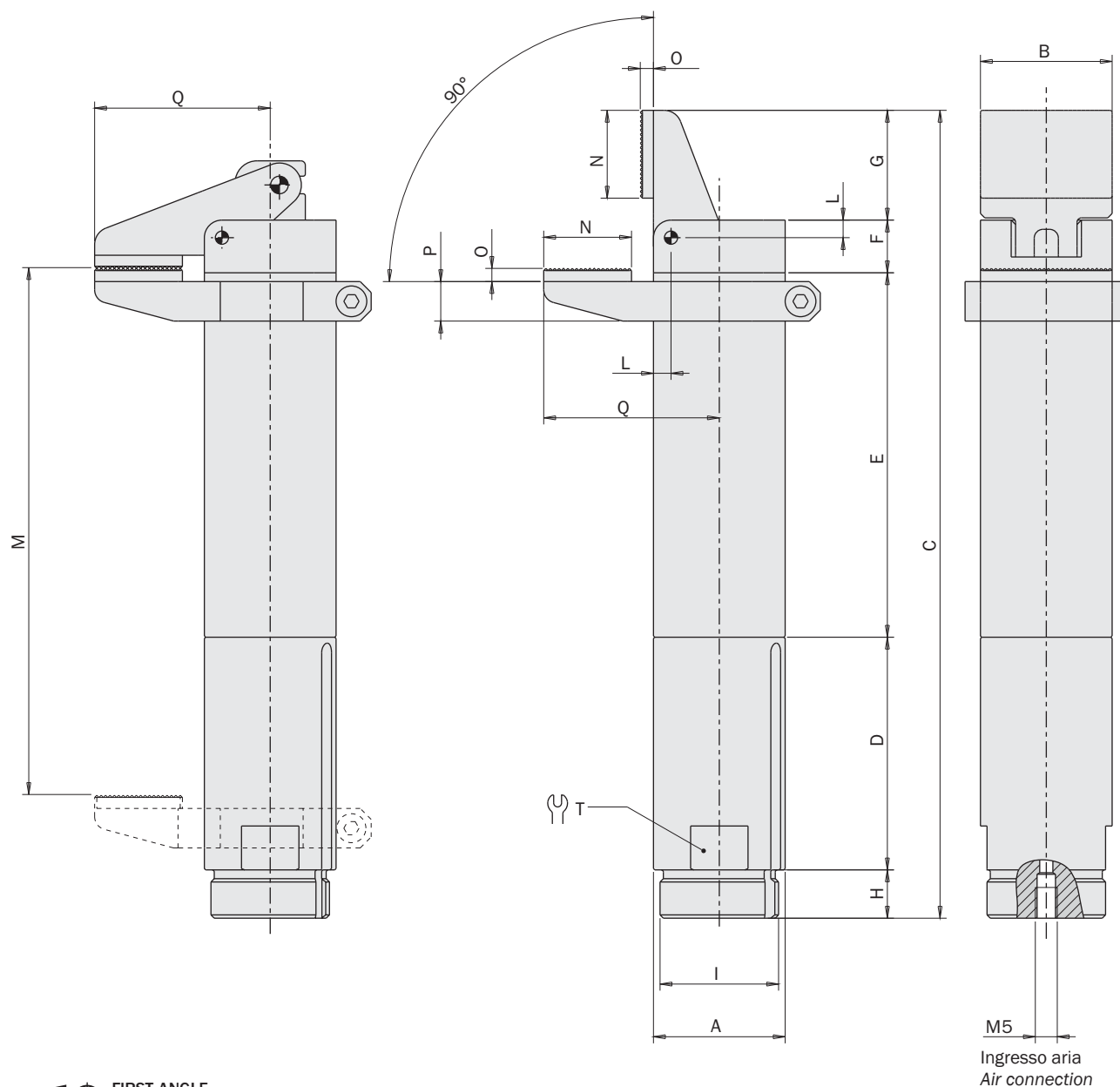
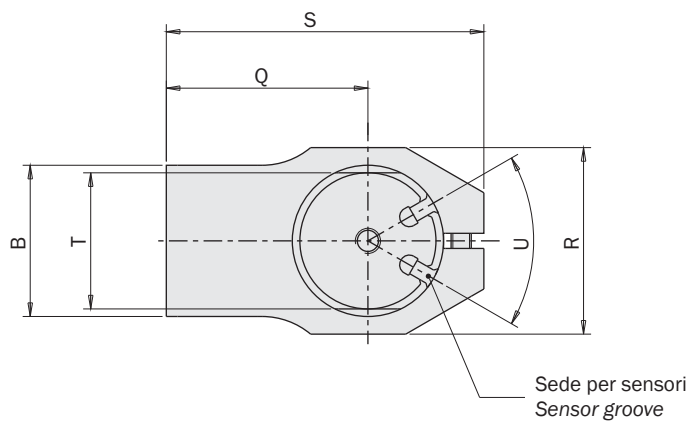
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T
OFR14-95G	Ø14	14	72	9.5	40	10.5	12	5.5	M12x1	2	34	11	2.5	7.5	19	19	32	12
OFR20-95G	Ø20	20	103	13	63.5	9	17.5	8	M17x1	2.5	53	15	2.5	7	27.5	25	43.5	17
OFR30-95G	Ø30	30	148	19	92	12	25	11	M27x1	4	80	20	3	9	40	37	63	27



Dimensioni (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	133	41	57.5	9	17.5	8	M17x1	2.5	88	15	2.5	7	27.5	25	43.5	17	60°
OFR30-95SG	Ø30	30	184	53	83	12	25	11	M27x1	4	121	20	3	9	40	37	63	27	80°



FIRST ANGLE
PROJECTION