

Pinze ad espansione per interni serie IF

- Nuovo concetto di pinza brevettato.
- Movimento verso il basso (IFD), o verso l'alto (IFU).
- La parte elastica può essere in Silicone o EPDM.
- Diametro di presa da 8 a 85 mm.
- Coni di centraggio opzionali.

ID expansion grippers series IF

- New patented concept for Air Hands.
- Downward movement (IFD), or Upward movement (IFU).
- The elastic part can be in Silicone or EPDM.
- Grip diameters from 8 to 85 mm.
- Optional nose cones for centering.



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Direzione del movimento

Actuation direction

- D - Verso il basso / Downward
U - Verso l'alto / Upward

Diametro nominale / Base diameter

- 08 - 10 - 12 - 14 - 18 - 22
27 - 33 - 41 - 51 - 63

Alimentazione / Air feeding

- C - Con raccordo coassiale
By inline air fitting
H - Con raccordo laterale e foro passante
By side air fitting and through hole
V - Con raccordo laterale, foro passante e cono di centraggio
By side air fitting, through hole and nose cone

Parte elastica / Elastic part

- S01 - in Silicone rosso / in red Silicone
E02 - in EPDM nero / in black EPDM

	Peso Weight	Prezzo Price
IFD08S01CT	17 g	
IFD08E02CT	17 g	
IFD10S01CT	18 g	
IFD10E02CT	18 g	
IFD12S01CT	25 g	
IFD12E02CT	25 g	
IFD14S01CT	26 g	
IFD14E02CT	26 g	
IFD18S01CT	36 g	
IFD18E02CT	36 g	
IFD22S01CT	58 g	
IFD22E02CT	58 g	
IFD27S01CT	88 g	
IFD27E02CT	88 g	
IFD33S01CT	144 g	
IFD33E02CT	142 g	
IFD41S01CT	280 g	
IFD41E02CT	280 g	
IFD51S01CT	600 g	
IFD51E02CT	595 g	
IFD63S01CT	980 g	
IFD63E02CT	970 g	

	Peso Weight	Prezzo Price
IFU08S01HT	21 g	
IFU08E02HT	21 g	
IFU10S01HT	23 g	
IFU10E02HT	23 g	
IFU12S01HT	25 g	
IFU12E02HT	25 g	
IFU14S01HT	27 g	
IFU14E02HT	27 g	
IFU18S01HT	46 g	
IFU18E02HT	46 g	
IFU22S01HT	71 g	
IFU22E02HT	71 g	
IFU27S01HT	105 g	
IFU27E02HT	105 g	
IFU33S01HT	170 g	
IFU33E02HT	170 g	
IFU41S01HT	290 g	
IFU41E02HT	290 g	
IFU51S01HT	580 g	
IFU51E02HT	575 g	
IFU63S01HT	930 g	
IFU63E02HT	920 g	

	Peso Weight	Prezzo Price
IFU08S01VT	22 g	
IFU08E02VT	22 g	
IFU10S01VT	24 g	
IFU10E02VT	24 g	
IFU12S01VT	27 g	
IFU12E02VT	27 g	
IFU14S01VT	31 g	
IFU14E02VT	31 g	
IFU18S01VT	54 g	
IFU18E02VT	54 g	
IFU22S01VT	85 g	
IFU22E02VT	85 g	
IFU27S01VT	130 g	
IFU27E02VT	130 g	
IFU33S01VT	205 g	
IFU33E02VT	205 g	
IFU41S01VT	380 g	
IFU41E02VT	380 g	
IFU51S01VT	755 g	
IFU51E02VT	750 g	
IFU63S01VT	1230 g	
IFU63E02VT	1220 g	

Silicone o EPDM?



La parte elastica può essere in Silicone rosso o EPDM nero. Il Silicone può essere usato su un campo di temperature più ampio e garantisce una maggiore durata, ma non è adatto in alcuni settori merceologici, perchè rende difficoltosa la verniciatura o il rivestimento delle parti che tocca. Invece l'EPDM non lascia impronte e assicura anche un maggior coefficiente di attrito.

Silicone or EPDM?

The elastic part can be in red Silicone, or black EPDM. Silicone provides a wider temperature range and it assures a longer life time, but it is not suitable in some industries, because it makes difficult to paint or to coat the handled parts. EPDM is Non-Marking and it provides a higher friction too.

Diametro Diameter	Ricambio per la parte elastica Spare elastic part
Ø8	IF08S01
Ø8	IF08E02
Ø10	IF10S01
Ø10	IF10E02
Ø12	IF12S01U
Ø12	IF12E02U
Ø14	IF14S01U
Ø14	IF14E02U
Ø18	IF18S01
Ø18	IF18E02
IFD Ø22	IF22S01
IFU Ø22	IF22E02
Ø27	IF27S01
Ø27	IF27E02
Ø33	IF33S01
Ø33	IF33E02
Ø41	IF41S01
Ø41	IF41E02
Ø51	IF51S01
Ø51	IF51E02
Ø63	IF63S01
Ø63	IF63E02

Temperatura di esercizio / Temperature range

Corpo pinza Gripper body	Parte elastica Elastic part	
5° ÷ 60°C.	-70° ÷ 200°C.	-50° ÷ 140°C.
	Silicone (S01)	EPDM (E02)
		

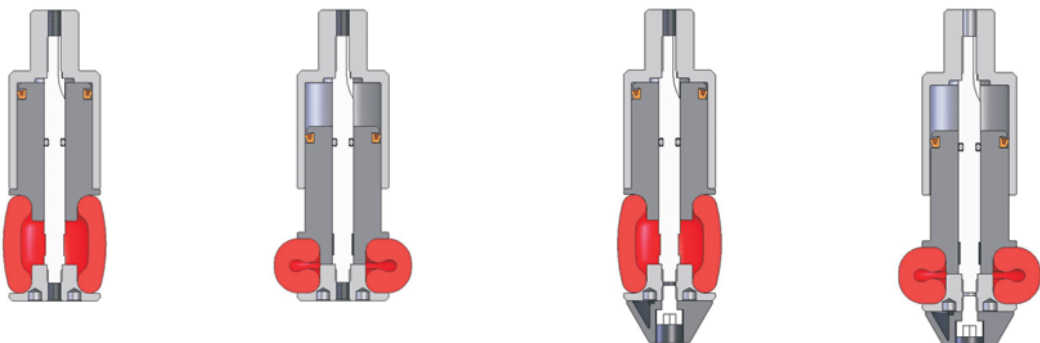
Coni di centraggio

I modelli IFD sono forniti con un cono stampato in nylon, che può essere facilmente aggiunto, quando necessario. I modelli IFU invece sono forniti in due versioni, con il cono in acciaio (IFU...VT), o senza (IFU...HT).

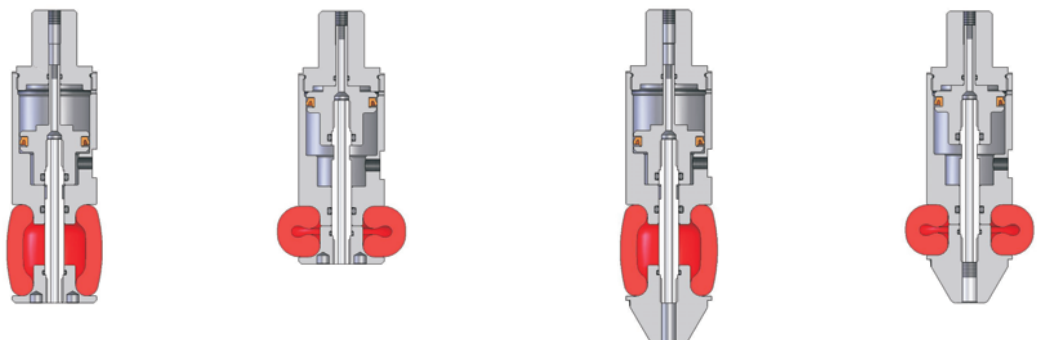
Centering nose cones

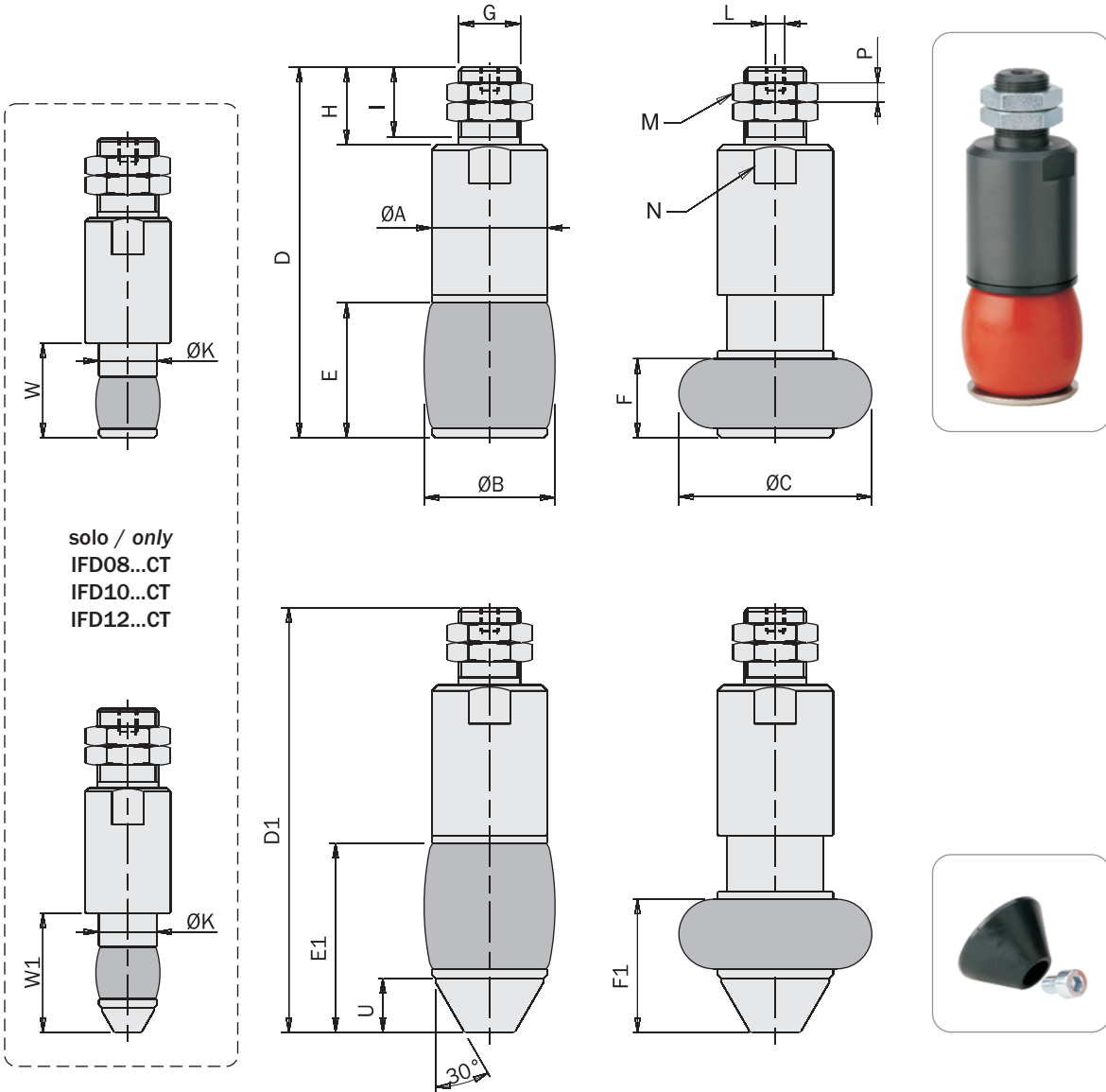
All the IFD models are provided with a nose cone (moulded in nylon). It can be easily added to the gripper, when necessary. On the contrary, the IFU models are supplied in two versions: with a steel cone (IFU...VT), or without (IFU...HT).

IFD



IFU



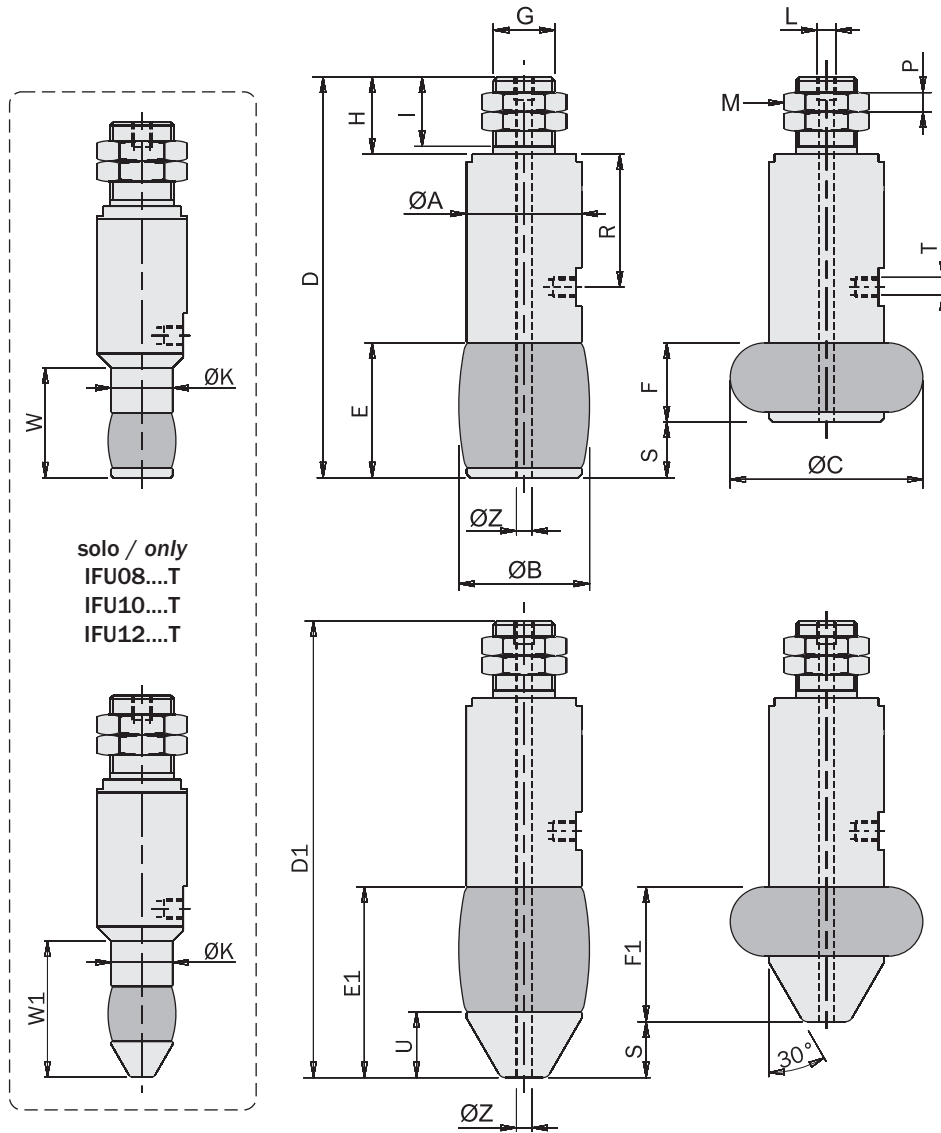


solo / only
IFD08...CT
IFD10...CT
IFD12...CT

	ØA	ØB	ØC	D	E	F	G	H	I	L	M	N	P	U	D1	E1	F1	W	W1	ØK
IFD08S01CT IFD08E02CT	14	8	11	47.5	8.5	4.5	M10x1	13	12	M5	13	13	3.5	3.5	51	12	8	14	17.5	7.6
IFD10S01CT IFD10E02CT	14	10.5	14	49	10	5.5	M10x1	13	12	M5	13	13	3.5	4	53	14	9.5	15.5	19.5	9.5
IFD12S01CT IFD12E02CT	14	13	17	50	12	6.5	M12x1	13	12	M5	13	13	3.5	5	55	17	11.5	15.8	20.8	11.9
IFD14S01CT IFD14E02CT	14	15	19.5	50	14.5	7.5	M12x1	13	12	M5	13	13	3.5	6	56	20.5	13.5	-	-	-
IFD18S01CT IFD18E02CT	18	19.5	25	56.5	18	10.5	M12x1	14	13	M5	15	17	4	8	64.5	26	18.5	-	-	-
IFD22S01CT IFD22E02CT	21.5	24	31.5	68	23	13	M14x1.5	15	13	M5	17	20	4	9.5	77.5	32.5	22.5	-	-	-
IFD27S01CT IFD27E02CT	25	28	37	78.5	28.5	16.5	M14x1.5	17	15	M5	17	23	4	11.5	90	40	28	-	-	-
IFD33S01CT IFD33E02CT	30	34	45	96	35	20.5	M16x1	20	18	M5	19	28	5	14	110	49	34.5	-	-	-
IFD41S01CT IFD41E02CT	40	42	54	117	42.5	27	M20x1.5	25	22	1/8 G	24	36	6	19	136	61.5	46	-	-	-
IFD51S01CT IFD51E02CT	50	54	68	146.5	51.5	33.5	M25x1.5	32	28	1/8 G	32	45	8	26	172.5	77.5	59.5	-	-	-
IFD63S01CT IFD63E02CT	60	66	85	173.5	65.5	40.5	M25x1.5	32	28	1/8 G	32	54	8	30	203.5	95.5	70.5	-	-	-

Dimensioni (mm) / Dimensions (mm)

IFU.....



solo / only
IFU08...T
IFU10...T
IFU12...T



IFU.....HT



IFU.....VT

	ØA	ØB	ØC	D	E	F	G	H	I	L	M	N	P	R	S	T	ØZ	U	D1	E1	F1	W	W1	ØK
IFU08...HT	14	8	11	54	8.5	4.5	M10x1	13	12	M5	13	13	3.5	19.5	4	M3	1.1	4	56.5	11	7	15.5	-	7.6
IFU08...VT																						-	18	
IFU10...HT	14	10.5	14	55	10	5.5	M10x1	13	12	M5	13	13	3.5	20	4.5	M3	1.1	5.5	59	14	9.5	17	-	9.5
IFU10...VT																						-	21	
IFU12...HT	14	13	17	57	12	6.5	M10x1	13	12	M5	13	13	3.5	21	5.5	M3	1.1	6.8	62.3	17.3	11.8	19	-	11.9
IFU12...VT																						-	24.3	
IFU14...HT	14	15	19.5	60	14.5	7.5	M10x1	13	12	M5	13	13	3.5	22.5	7	M3	1.1	8.3	66.8	21.3	14.3	-	-	-
IFU14...VT																								
IFU18...HT	18	19.5	25	68	18	10.5	M12x1	14	13	M5	15	17	4	25	7.5	M5	1.1	10	76.5	26.5	19	-	-	-
IFU18...VT																								
IFU22...HT	21.5	24	31.5	78	23	13	M14x1.5	15	13	M5	17	20	4	29	10	M5	1.1	12	88	33	23	-	-	-
IFU22...VT																								
IFU27...HT	25	28	37	90	28.5	16.5	M14x1.5	17	15	M5	17	23	4	31	12	M5	2.1	14	101.5	40	28	-	-	-
IFU27...VT																								
IFU33...HT	30	34	45	104	35	20.5	M16x1	20	18	M5	19	28	5	34.5	14.5	M5	2.1	17	118.5	49.5	35	-	-	-
IFU33...VT																								
IFU41...HT	40	42	54	123	42.5	27	M20x1.5	25	22	1/8 G	24	36	6	39.5	15.5	M5	2.6	22	142	61.5	46	-	-	-
IFU41...VT																								
IFU51...HT	50	54	68	149	51.5	33.5	M25x1.5	32	28	1/8 G	32	45	8	49	18	1/8 G	4.2	28	173.5	76	58	-	-	-
IFU51...VT																								
IFU63...HT	60	66	85	175	65.5	40.5	M25x1.5	32	28	1/8 G	32	54	8	59	25	1/8 G	4.2	36	206.5	97	72	-	-	-
IFU63...VT																								

Esempi di applicazione

Application examples

