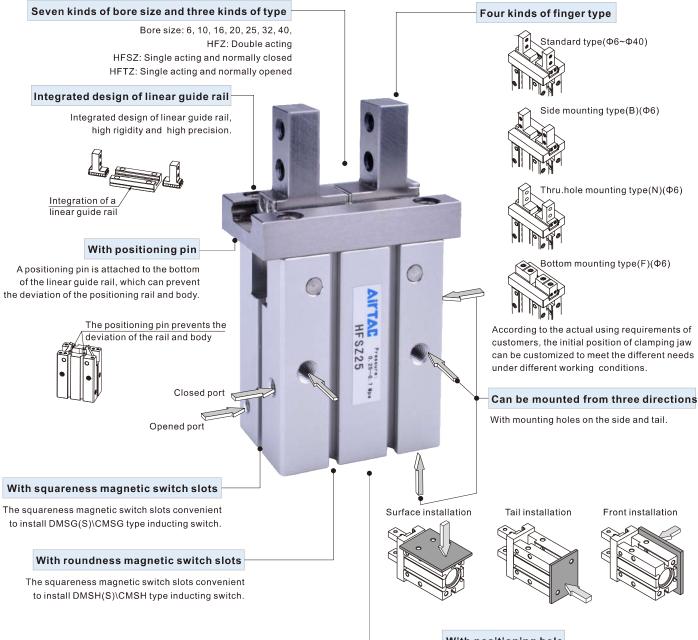
Air gripper——HFZ Series

Parallel style with guide track—ball bearing

Compendium of HFZ Series



В	ore size (mm)		6	10	16	20	25	32	40					
	Acting type		Double acting Single acting											
	Fluid		Air(to be filtered by 40 μ m filter element)											
	Double acting	Ф6, Ф10	0.2~0.7MPa(28~100psi)(2.0~7.0bar)											
Operating	Double acting	Others	0.15~0.7MPa(22~100psi)(1.5~7.0bar)											
pressure	Cinala astina	Ф6, Ф10	0.35~0.7MPa(50~100psi)(3.5~7.0bar)											
	Single acting	Others	0.25~0.7MPa(36~100psi)(2.5~7.0bar)											
Te	mperature °C		-20~70											
	Lubrication		Not required											
Re	peatability mn	ı	± 0.01 ± 0.02											
N	lax. frequency			60(c.p.m)										
S	ensor switches		DMSH(S) CMSH	DMSH(S) DMSG(S) DMSG(S)\CMSG, DMSH(S)\CMSH										
	Port size		M3:	× 0.5		M5×0.8								

With positioning hole

The positioning hole can improve the precision and the consistency of repeated dismounting and positioning.

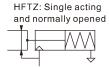


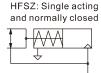
HFZ Series



Symbol





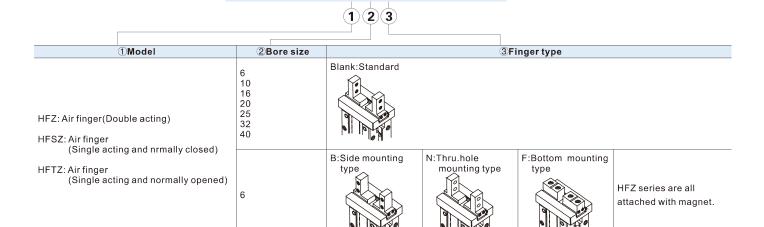


Gripping force and stroke

Acting type			Double acting(HFZ)					Single acting_NO (HFTZ)						Single acting_NC (HFSZ)								
Bore size			10	16	20	25	32	40	6	10	16	20	25	32	40	6	10	16	20	25	32	40
Gripping force per finger	External	3.3	11	34	45	69	160	255	1.9	7	27	35	55	133	220	-	-	-	-	-	-	-
Effective value(N)	Internal	6.1	17	45	68	102	195	320	-	-	-	-	-	-	-	3.7	13	38	59	87	163	270
Opening/Closing stroke(Both sides)(mm)			3	6	10	14	22	30	3	3	6	10	14	22	30	3	3	6	10	14	22	30
Maight (g)	F Type	24	-	-	-	-	-	-	25	-	-	-	-	-	-	25	-	-	-	-	-	-
Weight (g)	Others	25	56	124	236	428	729	1268	26	57	125	238	430	778	1365	26	57	125	238	430	778	1365

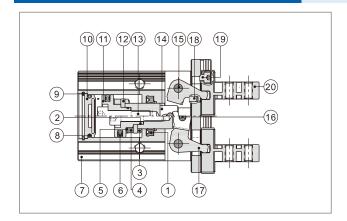
[Note] The gripping force in the above table is in the working pressure of 0.5MPa, and with a gripping point of L=20mm. Add) Please refer to page 256 for the definition of "L".

Ordering code



HFZ 20 🗌

Inner structure and material of major parts



NO.	Item	Material
1	Rod packing	NBR
2	O-ring	NBR
3	Bumper	TPU
4	Magnet	Sintered metal(Neodymium-iron-boron)
5	Magnet washer	NBR
6	Piston seal	NBR
7	Body	Aluminum alloy
8	O-ring	NBR
9	C clip	Spring steel
10	Back cover	Aluminum alloy
11	Piston	Aluminum alloy/Stainless steel
12	Magnet fixed flake	Stainless steel
13	Screw	Carbon steel
14	Piston rod	Aluminum alloy/Stainless steel
15	Pin	Stainless steel
16	Pin	Stainless steel
17	Curved bar	Stainless steel
18	Pin	Stainless steel
19	Countersink screw	Carbon steel
20	Assembly of clamping jaw and guide rail	Stainless steel

Air gripper(parallel style——ball bearing)

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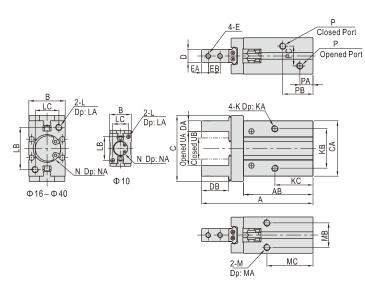


HFZ Series

Dimensions

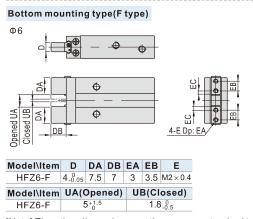
Standard Φ6 4-M2 × 0.4 Closed Port Opened Port 2-M3 × 0.5 10.5 ± 0.05 10.5 ± 0.05

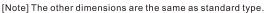


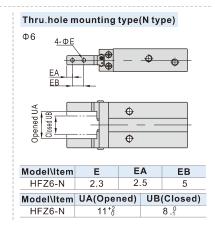


Model\Item	Α		AB		В	С	СА	. [)	D/	A DB		Е		EA	
HFZ10	57		37.5		16.5	30	23	5 .	0 -0.05	4 -0.05 12 I		M2.5×0.45		3		
HFZ16	67.5		42.5		23.5	39	30.5	5 8.	8 -0.05		5 -0.05		5 M3×0.5		4	
HFZ20	85		53		27.5	53	42	10 .	0 -0.05	8 -0.05		20 M4>		0.7	5	
HFZ25	103		64		33.5	71	52	12 .	12 -0.05				25 M5		6	
HFZ32	113(122)) 67(76)		40	106	60	15	0 -0.05	12 -0.05		29	M6×	1.0	7	
HFZ40	139(152)		83(96		48	132	72	18	18 -0.05		0.05	36 M8×		1.25	9	
Model\Item	EB K		к к		KB	KC		L	L LA		LC	M		MΑ	МВ	
HFZ10	5.7	M3×0.5		5	16 23		M	и3×0.5 6		18	12	M3×0.5		6	11.5	
HFZ16	7	M4×	M4×0.7		24	24.5	M	4×0.7	×0.7 8		15	M4×0.7		4.5	16	
HFZ20	9	M5×	<0.8 8		30	29	M5×0.8		10	32	18	M5×0.8		8	18.5	
HFZ25	12	M6×	(1.0 10		36	30	M6×1.0		12	40	22	M6	×1.0 10		22	
HFZ32	14	M6×	<1.0 10		46	40(49) M6	M6×1.0		46 26 M6×		×1.0 10		26		
HFZ40	17	M8×	18×1.25		56	49(62) M8×1.25		16	56 32 M8×		×1.25 12		32		
Model\Item	МС		N	N.	Α	Р	PA	РВ	РС	UA(Ор	ened) UB	(Clo	sed)	
HFZ10	27	Φ1	11+0.0	⁵ 1.	5 M	3×0.5	7	7 19		15.5 ⁺²			1	11.5-0		
HFZ16	HFZ16 30 0		7+0.0	⁵ 1.	5 M	5×0.8	7.5	7.5 19			21 +2			15_0		
HFZ20	35 Ф		1 ^{+0.0}		: M	5×0.8	9.5	23	15	26.5 +2			1	16.5.0		
HFZ25	36.5		26 ^{+0.0}	5 2	: M	5×0.8	9	24	20	33.5 +2			1	19.5-0		
HFZ32	48(57	Ф3	4 ^{+0.0}	5 2.	5 M	5×0.8	9.5	31(40)	24	48 +2.5				26-0		
HFZ40	58(71	Ф4	2+0.0	5 2.	5 M	5×0.8	10.5	38(50)	88(50) 28		60 +2.5			30-1		

 $[Note] The \ values \ in \ ``()" \ in \ the \ above \ table \ are \ single \ acting \ type \ sizes.$







How to select product \ Installation and application

Please refer to HFK series for details.

