

Clean Room Hand HMFC Series

Low Height Wide Opening Crab-Shaped Parallel Hand for Use in Multi-Purpose Application

Key Features

■ Small and light-weight

Low profile design for use in confined spaces via simple and compact body

■ Powerful grip force

High grip force by using 2 pistons

■ Long stroke for handling multiple workpieces in different sizes

Long motion stroke for multi-purpose use



HMFC-16AS

Clean packaging is not available

How To Order

Standard ----- **HMFC-16AS**

Option ----- **HMFC - 16AS - ET3S2** ----- HMFC-16AS with 2 of ET3 non-contact reed switches

Clean Room & Special Type

Size	Sensor, Quantity			
Symbol	Symbol	Name	Symbol	Name
16AS	ET3	Non-Contact 3-Lead	E25	Contact 2-Lead
20AS	ET3L	Non-Contact 3-Lead	E25L	Contact 2-Lead
	ET2	Non-Contact 2-Lead	S1	1 Sensor
	ET2L	Non-Contact 2-Lead	S2	2 Sensors
	E24	Contact 2-Lead		
	E24L	Contact 2-Lead		

For sensor detail ▶ **277P**

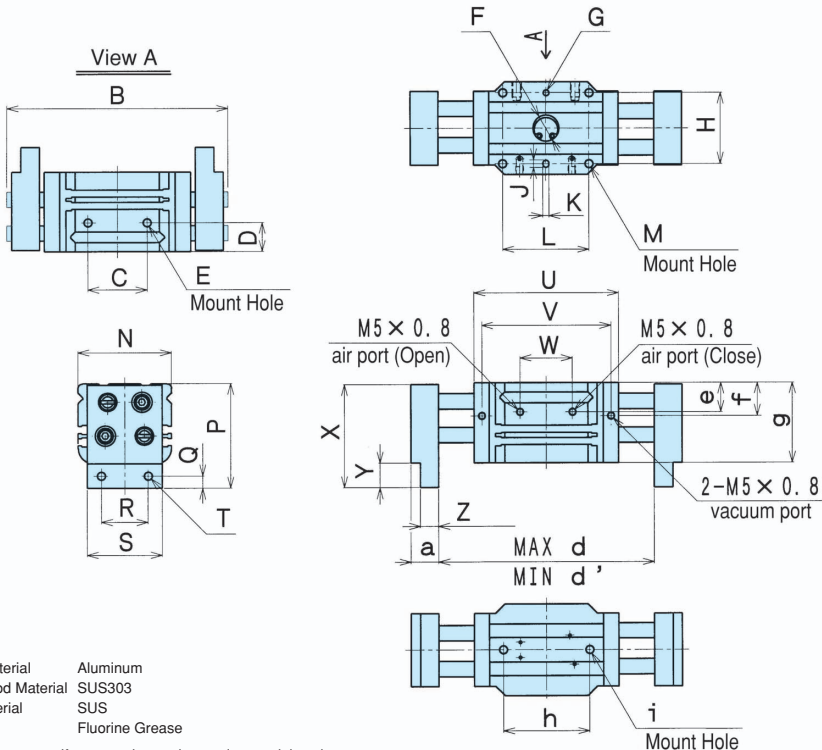
Specification

Model	HMFC-16AS	HMFC-20AS
Working Pressure	Pneumatic: 0.3 to 0.7MPa	
Lubrication	Not Required or Turbine Oil Class 1 (ISOVG32)	
Ambient Temperature (°C)	5 to 60	
Total Jaw Stroke (mm)	30	40
Cylinder Diameter (mm)	dia.16×2	dia.20×2
Rod Diameter (mm)	dia.8	dia.10
Internal Volume [Reciprocation] (cm ³ /time)	9.05	18.8
Repeatability (mm)	±0.1	
Weight (kg)	0.54	0.9

Layout Drawing

HMFC-16AS • 20AS (Optimal Grip Force 80N to 250N)

HMFC-□□AS Standard



Body Material Aluminum
 Guide Rod Material SUS303
 Bolt Material SUS
 Grease Fluorine Grease

Please contact us if you use the product under special environment

Model	B	C	D	E	F	G	H	J	K	L	M
HMFC-16AS	116	28	15	2-M5X0.8 depth 7	dia.17 ^{+0.034} _{-0.016} depth 1.85	dia.3 ^{+0.025} ₀ depth 3	36	4	3 ^{+0.025} ₀ depth 3	38	4-M5X0.8 depth 10
HMFC-20AS	137	38	19	2-M6X1.0 depth 10	dia.17 ^{+0.034} _{-0.016} depth 1.85	dia.4 ^{+0.03} ₀ depth 4	46	5	4 ^{+0.02} ₀ depth 4	56	4-M6X1.0 depth 12

Model	N	P	Q	R	S	T	U	V	W	X	Y	Z	a	d	d'	e	f
HMFC-16AS	50	58	5	28	38	2X2-M5X0.8	80	70	24	57	14	13 ⁰ _{-0.1}	15	116	86	15	20.5
HMFC-20AS	60	68	8	30	48	2X2-M6X1.0	94	84	34	67	16	12 ⁰ _{-0.1}	18	140	100	19	21.5

Model	g	h	i
HMFC-16AS	44	38	2-M5X0.8 depth 8
HMFC-20AS	52	56	2-M6X1.0 depth 12