

HMD Series Thin Wide-Angle Hand

180° Opening Angle Gripper

Key Features

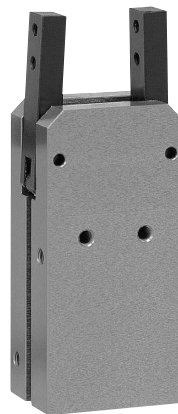
■ 180° opening angle

180° opening angle gripper to just slide workpiece to right or left and does not require up and down motion when workpiece is moving left ⇔ right

■ High grip force via toggle mechanism

■ Switch slots available for sensing jaw position (open or closed)

■ New sizes available (12AS and 20AS)



HMD-16AS

How To Order

Standard ----- HMD-16AS

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

Size		Sensor, Quantity			
Symbol		Symbol	Name	Symbol	Name
12AS		ET3	Non-Contact 3-Lead	E24L	Contact 2-Lead
16AS		ET3L	Non-Contact 3-Lead	E25	Contact 2-Lead
20AS		ET2	Non-Contact 2-Lead	E25L	Contact 2-Lead
25AS		ET2L	Non-Contact 2-Lead	S1	1 Sensor
		E24	Contact 2-Lead	S2	2 Sensors

For sensor detail ▶277P

Specification

Model	HMD-12AS	HMD-16AS	HMD-20AS	HMD-25AS
	For Layout Drawing ▶167P	For Layout Drawing ▶167P	For Layout Drawing ▶168P	For Layout Drawing ▶168P
Working Pressure	Pneumatic: 0.3 to 0.7MPa			
Lubrication	Not Required or Turbine Oil Class 1 (ISOVG32)			
Ambient Temperature (°C)	5 to 60			
Opening Angle	-4 to 184°			
Cylinder Diameter (mm)	dia.12	dia.16	dia.20	dia.25
Rod Diameter (mm)	dia.6	dia.6	dia.8	dia.8
Internal Volume [Reciprocation] (cm ³ /time)	2.3	5.8	8.7	19.4
Repeatability (mm)	±0.2			
Weight (kg)	0.074	0.13	0.26	0.38