## Light-Weight and Compact with Cost in Mind

## **Key Features**

#### Cost-minded gripper

Light weight and high grip force

#### Easy mounting

The gripper can be mounted and operated in any orientation via 3 mounting surfaces

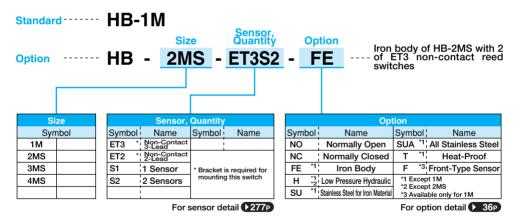
# Switch slots available for sensing jaw position (open or closed)

2 reed switches can be mounted on all the gripper sizes (except HB-1M)



HB-2MS

### **How To Order**



## **Specification**

Model	HB-1M	HB-2MS	HB-3MS	HB-4MS
	For Layout Drawing  171	For Layout Drawing  171	For Layout Drawing  172	For Layout Drawing  172
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	-5 to 20°			
Cylinder Diameter (mm)	dia.15	dia.20	dia.25	dia.40
Rod Diameter (mm)	dia.8	dia.10	dia.12	dia.14
Internal Volume [Reciprocation] (cm3/time)	0.5	2.2	4.3	14.16
Repeatability (mm)	±0.03			
Weight (kg)	0.09	0.22	0.39	0.82