

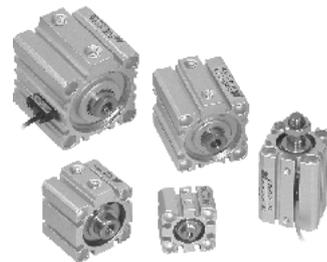
## MCJT SERIES COMPACT

- Ultra compact, a light weight and space saving cylinder.
- Wide range of bore sizes and strokes (12mm-100mm).
- Single and double acting available.



## MCJS SERIES Compact

- Ultra compact, a light weight and space saving cylinder.
- Wide range of bore sizes and strokes (12mm-100mm).
- Single and double acting available.
- Ideal for use in machinery where space is limited and incorporating sensor groove which enables flush fitting of sensors.
- Sensor can be mounted on any one of three faces on 12 and 16 bore and on four faces on 20-100 bore.



## MCCN SERIES Round

- Many mounting options available.
- Interchangeable with other manufacturers.



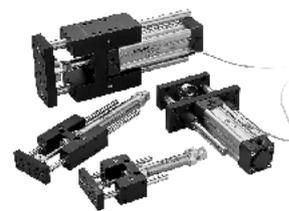
## MCGA SERIES Twin-Guided (Stop/Lift)

- Strong cylinder capable of heavy loads, used extensively for stopping work carriers in both the vertical and horizontal position.
- Large diameter guide rods enable cylinder to take high off-set loads.
- Can be used as 90 degree pusher on large conveyer systems.
- Magnetic as standard.



## MGT\* SERIES Twin-Guided

- The guide units can be assembled into cylinders that then conform to ISO6432.
- Anti-rotation guaranteed by use of external guide rods.
- Four self lube bushes or linear bearings enable high loadings and consistent movement.
- Simple to install by universal mounting holes.
- Flush fitting reed switch.
- Magnetic as standard.



## MCHA SERIES Grippers

- Available with comprehensive range of bore sizes 12-32mm.
- Highly accurate air driven device for holding work-piece.
- Magnetic as standard.





Order example:

**MCHA — 20**

MODEL

TUBE I.D.

## FEATURES

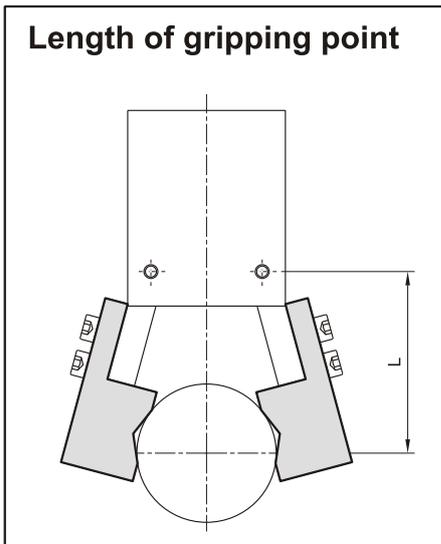
- Available with comprehensive range of bore sizes 12-32mm.
- Highly accurate air driven device for holding work-piece.
- Magnetic as standard.

## Specification:

Model	MCHA					
Acting type	Double acting					
Tube I.D. (mm)	12	16	20	25	32	
Port size	M3×0.5		M5×0.8			
Medium	Air					
Operating pressure range	1.5~7 kgf/cm <sup>2</sup> (0.15~0.7 MPa)					
Ambient temperature	- 5~ + 60°C (No freezing)					
Max frequency	180 Cycles/min					
Lubrication	Cylinder	Not required				
	Lever	Grease				
Max arm length (L) ※	30	40	60	70	85	
Clamp / Release angle	- 10~30°					
Theorem moment (M) ※	Closed	0.4×P	0.9×P	1.7×P	3.4×P	6.1×P
	Open	0.5×P	1.2×P	2.3×P	4.4×P	8.1×P
Clamping force (F) ※	F = M / L × 0.85					
Sensor switch	RCE, RCE1					
Weight (g)	53	103	193	327	525	

※ L : Arm length (mm), M : Theorem moment (kgf-cm),  
F : Clamping force (kgf), P : Operating pressure (kgf/cm<sup>2</sup>).

## Length of gripping point



## Installation of sensor switch

