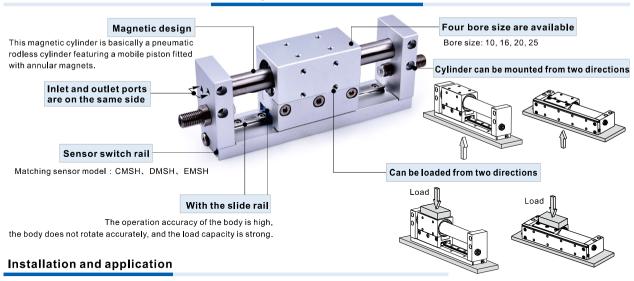
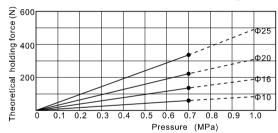
Rodless magnetic cylinder (With Linear guide) —— RMH Series

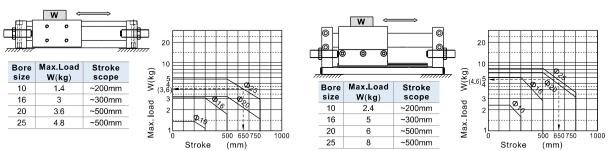
Compendium of RMH Series



1. The maxi load to move must be less than the theoretical holding force.



2. The relation between loading and stroke as below(Loading center and slide table center must be superposition)



3. About adjusting screw:

RMH series is compacted with two adjusting screws, but you can replace them with oil shock absorber by conditions.

Bore size	Shock absorber type
10	ACA0806-1
16	ACA1007-1
20	ACA1007-1
25	ACA1412-1

- 4. When use external limiter to stop load middle way: please refer to RMS series.
- 5. Dirty substances in the pipe must be eliminated before cylinder is connected with pipeline to prevent the entrance of impurities into the cylinder.
- 6. The medium used by cylinder shall be filtered to 40 μm or below.
- 7. If the cylinder is dismantled and stored for a long time, pay attention to conduct anti-rust treatment to the surface.

 Anti-dust jam cap shall be added in air inlet and outlet ports.
- 8. Non-magnetically conductive materials are recommended for workpieces fitted to the cylinder, otherwise the lifetime may be halved if magnetically conductive materials are used.



Rodless magnetic cylinder (With Linear guide)



RMH Sprips



Specification

Bore size(mm)	10	16	20	25	
Acting type	Double acting				
Fluid	Air(to be filtered by 40µm filter element)				
Operating pressure	0.2~0.7MPa(28~100psi)(2~7bar)				
Proof pressure	1.2MPa(175psi)(12.0bar)				
Temperature °C	-20~70				
Speed range mm/s	50~400				
Stroke tolerance mm	0~250 ^{+1.0} 251~800 ^{+1.5}				
Cushion type	Bumper				
Port size [Note1]	M5×0.8		1/	'8"	
Safe holding force N	55	140	220	345	

[Note1] PT thread, G thread and NPT thread are available.

Symbol



Stroke

Bore size (mm)	Standard stroke (mm)						
10	50 100 150 200 250 300						
16	50 100 150 200 250 300 350 400 450 500						
20	50 100 150 200 250 300 350 400 450 500 600 700 750 800						
25	50 100 150 200 250 300 350 400 450 500 600 700 750 800						

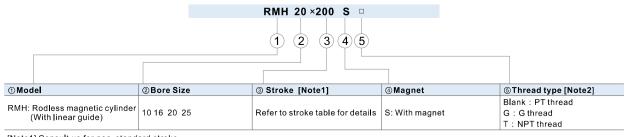
[Note] Consult us for non-standard stroke.

Product feature

- 1. This magnetic cylinder is basically a pneumatic rodless cylinder featuring a mobile piston fitted with annular magnets.

 The mobile carriage is also equipped with magnets to provide magnetic coupling (carriage/piston). The carriage slide freely along the main tube.
- 2. It is dust-proof as the isolation between the carriage and piston.
- 3. It is compact in space.
- 4. The non adjustable rubber bumpers and the adjustable pneumatic cushioning on both ends of the cylinder ensure the smooth action.
- 5. With the slide rail, the operation accuracy of the body is high, the body does not rotate accurately, and the load capacity is strong.

Ordering code



[Note1] Consult us for non-standard stroke.

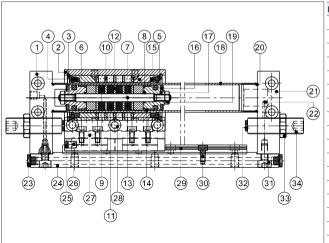
[Note2]Blank on thread code means metric M thread. There is only metric thread for Φ 10/ Φ 16, if NPT or G thread is needed, please consult.

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RMH Sprips

Inner structure and material of major parts



	NO.	Item	Material	NO.	Item	Material	
	1	End cover	Aluminum alloy	18	Barrel	Stainless steel	
	2	Body	Aluminum alloy	19	Nut	Stainless steel	
	3	C Clip	TPU	20	O-ring	NBR	
	4	O-ring	NBR	21	End cover	Aluminum alloy	
	5	Washer	Stainless steel	22	Steel ball	Stainless steel	
	6	Scraping dust ring	Plastics	23	Pluger screw	Carbon steel	
	7	Cover	Aluminum alloy	24	Fixed block	Aluminum alloy	
	8	O-ring	NBR	25	Push block	Plastics	
	9	Magnet	Rare-earth material	26	Magnet	Rare-earth material	
	10	Magnet washer	Carbon steel	27	Jointing block	Aluminum alloy	
	11	Magnet	Rare-earth material	28	Bolt	Alloy steel	
	12	Magnet washer	Carbon steel	29	Linear rail	-	
	13	Connecting rod	Stainless steel	30	Bolt	Alloy steel	
	14	Wear ring	Wear resistant materia l	31	Bolt	Alloy steel	
	15	Piston seal	TPU	32	Bumper	TPU	
	16	Bumper	NBR	33	Nut	Alloy steel	
	17	Piston	Aluminum alloy	34	Bolt	Alloy steel	

Note: inner structure & material data sheet is based on certain bore size.

Please contact AirTAC if you need inner structure & material data sheet for specific bore size.

Dimensions

