

ROTARY ACTUATOR



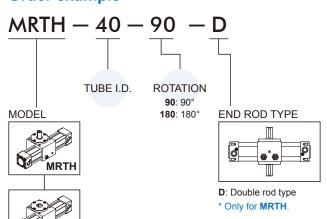


MRTH Male pivot gear (standard type)

MRTH-D Male pivot gear (double end rod type)

MRTF Female pivot gear

Order example



Features

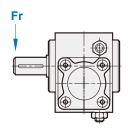
- The body is manufactured in anodized aluminium alloy, and has been designed looking at the harmonious aesthetic development.
- Pinion and rack produced from carbon steel reduces backlash within the mechanism.
- Rotation adjustment screw.
- Magnetic as standard.

Specification

Model		MRTF, MRT	H, MRTH-D					
Tube I.D. (mm)		40	63					
Standard rotation		90±5°, 180±5°						
Rotating shaft dia. (mm))	16 24						
Initial position of slot (mi	m)	See dimensional feature						
Medium		Filtered air with or without lubrication						
Operating pressure rang	е	0.13~0	.7 MPa					
Ambient temperature		-5~+60°C (No freezing)						
Max. allowable axial thru	st (kg)	10	12					
Cushion angle		74°	75°					
Max. allowable	90°	0.266J	0.675J					
kinetic energy	180°	0.58J	1.54J					
Max. allowable radial trus	st (Fr)	514.5 N	725.2 N					
Sensor switch (*)		LN	65					

^{*} LN65 specification, please refer to page 5-20.

Max. allowable radial trust



Cylinder weight

Unit: kg

	MR	TH	MRT	TH-D	MR	LN65		
Tube I.D.	6		6					
	90°	180°	90°	180°	90°	180°	Sensor switch	
40	3.30	3.40	3.35	3.45	3.14	3.24	0.03	
63	5.80	6.20	5.95	6.35	5.47	5.87	0.03	

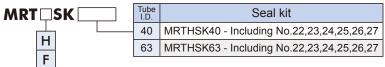


MRTH / MRTF Inside structure & Parts list ø40, ø63



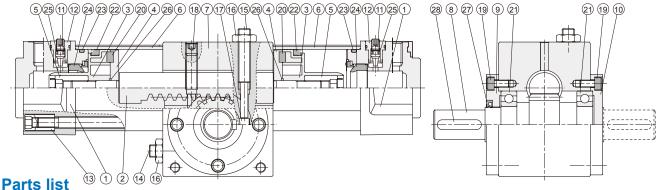
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How to order the seal kit



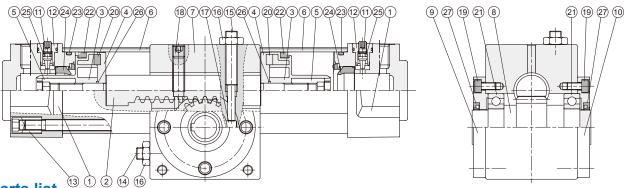
Tube I.D.	Seal kit
40	MRTFSK40 - Including No.22,23,24,26,27
63	MRTFSK63 - Including No.22,23,24,26,27

MRTH MRTH-D



No.	Part name	Q'y	No.	Part name	Q'y	No.	Part name	Q'y
1	End cap	2	11	Cushion needle		21	Ball bearing	2
2	Rack	1	12	Washer	2	22	Piston packing	2
3	Piston	2	13	Tie bolt	8	23	Cylinder gasket	2
4	Magnet holder	2	14	Adjusting screw	1	24	Cushion packing	2
5	Piston nut	2	15	Adjusting screw	1	25	O-ring	2
6	Cylinder tube	2	16	Lock nut	2	26	Piston gasket	2
7	Housing	1	17	Stopper pin	1	27	Rod packing	1
8	Pinion shaft	1	18	Set screw	1	28	Key (MRTH-D=2)	1
9	End cover	1	19	Hexagon socket head screw	8			
10	End cover	1	20	Magnet	2			

MRTF



Parts list

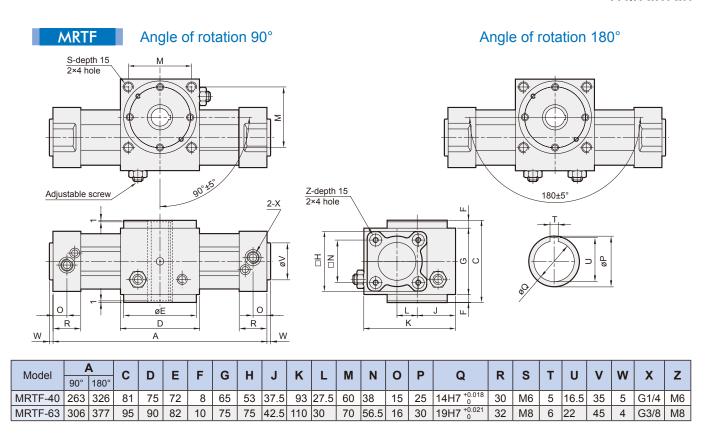
No.	Part name	Q'y	No.	Part name		No.	Part name	Q'y
1	End cap	2	10	End cover	1	19	Hexagon socket head screw	8
2	Rack	1	11	Cushion needle	2	20	Magnet	2
3	Piston	2	12	Cushion plug	2	21	Ball bearing	2
4	Magnet holder	2	13	Tie bolt	8	22	Piston packing	2
5	Piston nut	2	14	Adjusting screw	1	23	Cylinder gasket	2
6	Cylinder tube	2	15	Adjusting screw	1	24	Cushion packing	2
7	Housing	1	16	Lock nut	2	25	O-ring	2
8	Pinion shaft	1	17	Stopper pin	1	26	Piston gasket	2
9	End cover	1	18	Set screw	1	27	Rod packing	2

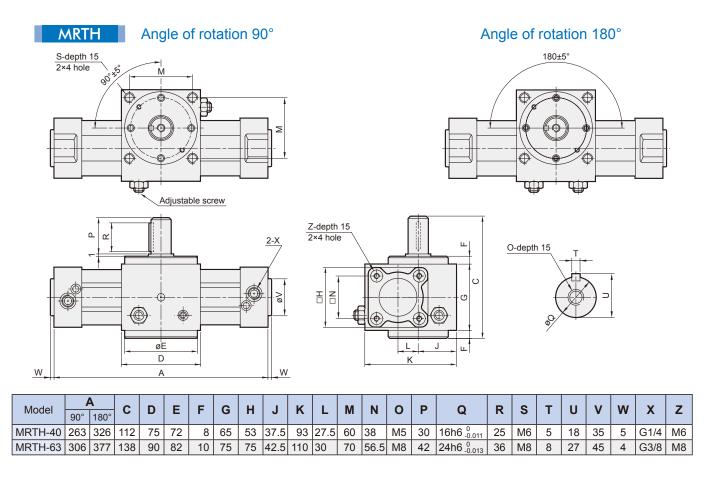


MRTH / MRTF Dimensions ø40, ø63



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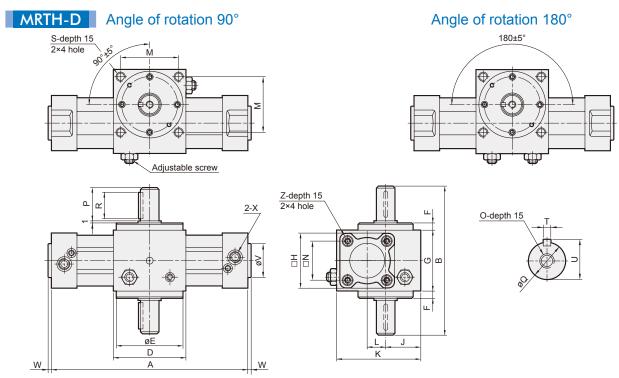


MRTH / MRTF Dimensions ø40, ø63



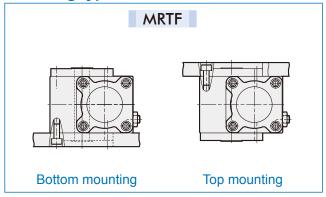
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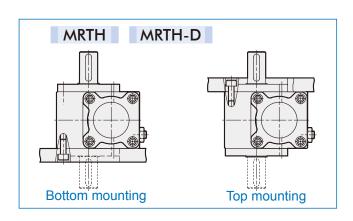
CTUATOR Dimensions Ø40, Ø63 // IVIR 1 F Dimensions Ø40, Ø63 // IVIR 1 F Dimensions Ø40, Ø63



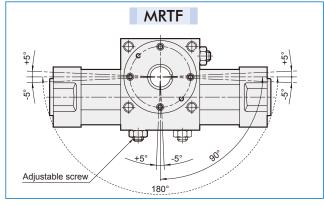
Model		A	1	В	ח	_	_	G	ш		K		М	N		D	0	В	9	т		V	W	v	7
	Model	90°	180°	В	ט	_		G	п	J	K	_	IVI	IN	U	Г	ų ų	K	3	'	U	V	VV	^	_
	MRTH-40-D	263	326	143	75	72	8	65	53	37.5	93	27.5	60	38	M5	30	16h6 _{-0.011}	25	M6	5	18	35	5	G1/4	M6
	MRTH-63-D	306	377	181	90	82	10	75	75	42.5	110	30	70	56.5	M8	42	24h6 -0.013	36	M8	8	27	45	4	G3/8	M8

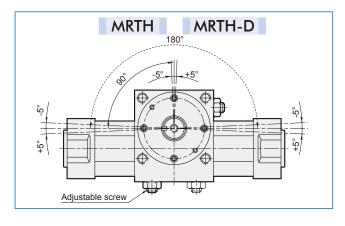
Mounting type





Rotating direction and adjustable angle



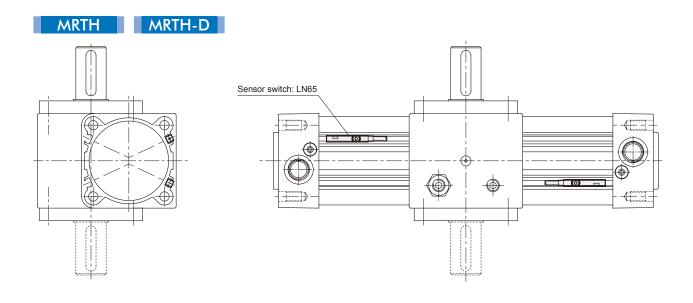




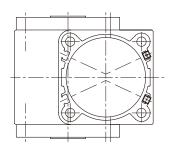
MRTH / MRTF Installation of sensor switchs Ø40, Ø63

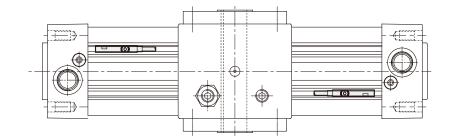


ROTARY ACTUATOR



MRTF





Sensor siwtch mounting groove

