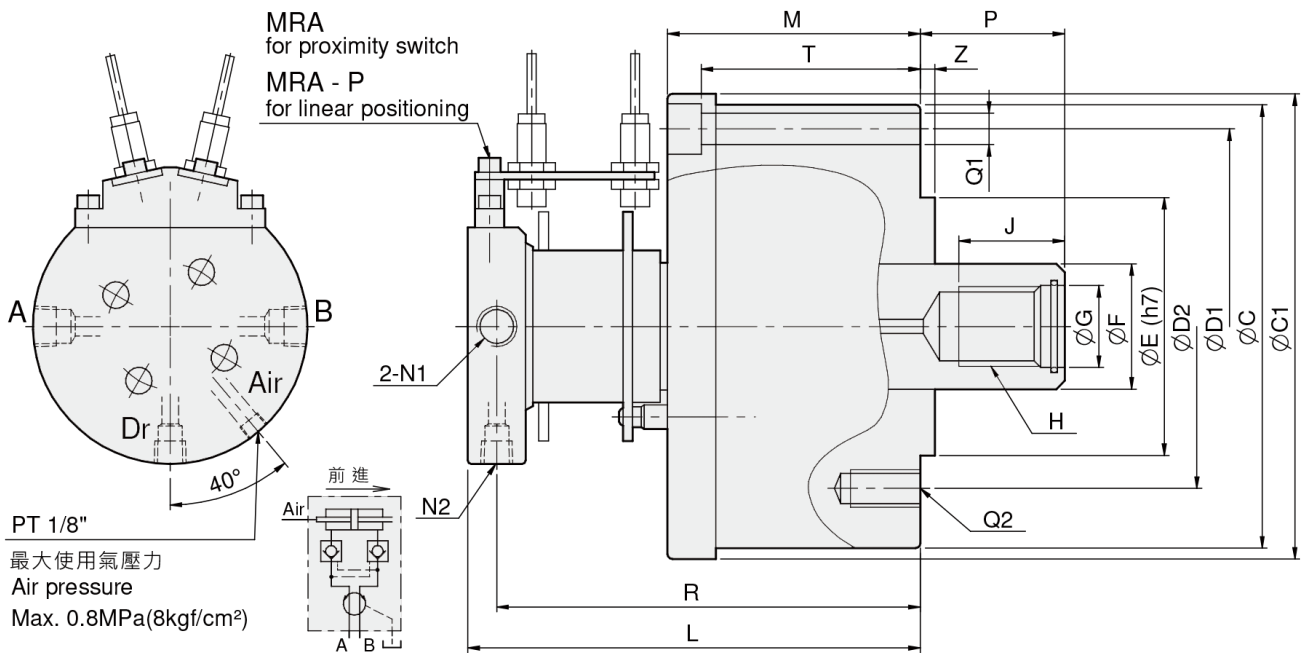


Product schematic

# MRA

Super-short type, non through-hole of rotary hydraulic cylinder with gas injection function

1. High-speed and lightweight design, suitable for vertical lathes.
2. Check valve and stroke detection frame are included.
3. Can lock in at back end during installation.
4. Can be equipped with gas injection function.



UNIT : mm

SPEC Model	Piston Dia. (mm)	Piston Area (cm <sup>2</sup> ) Push Side / Pull Side	Max. Draw Bar Force kN(kgf) Push Side / Pull Side	Piston Stroke (mm)	Max. Operating Pressure MPa(kgf / cm <sup>2</sup> )	Max. Speed (r.p.m.)	Moment Of Inertia I (kg · m <sup>2</sup> )	Weight (kg)	Total Leakage L/min
MRA12535	125	116 / 107.5	48.5(4945) / 45(4588)	35	4.5(45.9)	6000	0.028	9.3	0.8
MRA15035	150	170.2 / 156.7	71.6(7301) / 66(6730)	35	4.5(45.9)	5500	0.043	12.8	0.8

DIM Model	C	C1	D1	D2	E (h7)	F	G	H	J	L	M	N1	N2	P max.	P min.	Q1	Q2	R	T	Z
MRA12535	169	171	150	130	110	35	25	M24x3.0	44	177	94	PT3/8"	PT1/4"	57	22	6-Ø11	6-M12	165	82	5
MRA15035	202	204	180	130	110	45	31	M30x3.5	45	178	95	PT3/8"	PT1/4"	61	26	6-Ø13	12-M12	166	82	5