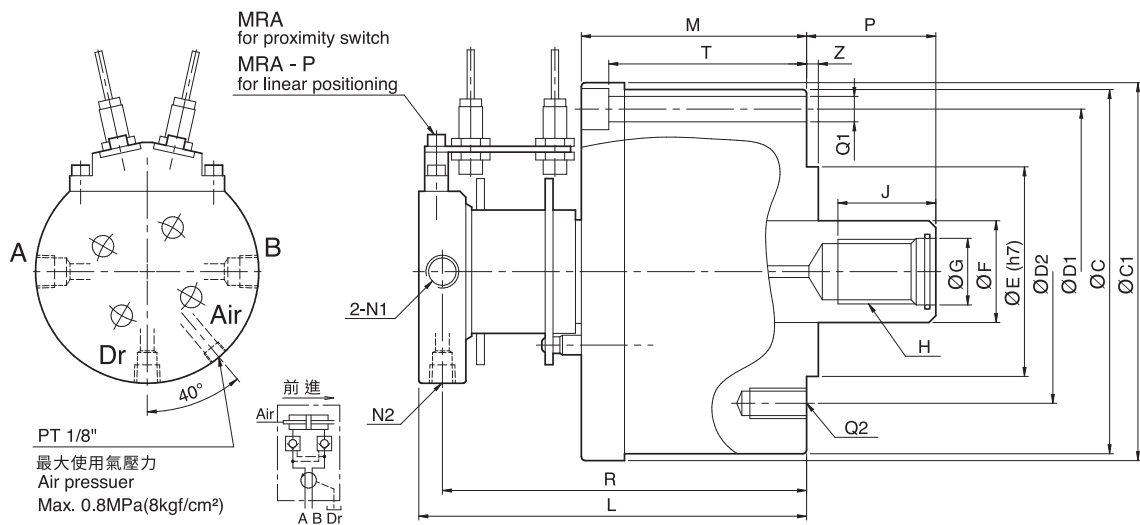


# MRA

## Short type non through-hole rotary hydraulic cylinder with central bore for air

1. Light weight design can reduce the spindle for vertical lath.
2. Built-in check valve and stroke control brackets.
3. Developed for rear locking installation.
4. Can be installed with air 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 / Push 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	M30x3.0	45	178	95	PT3/8"	PT1/4"	61	26	6-Ø13	12-M12	166	82	5