

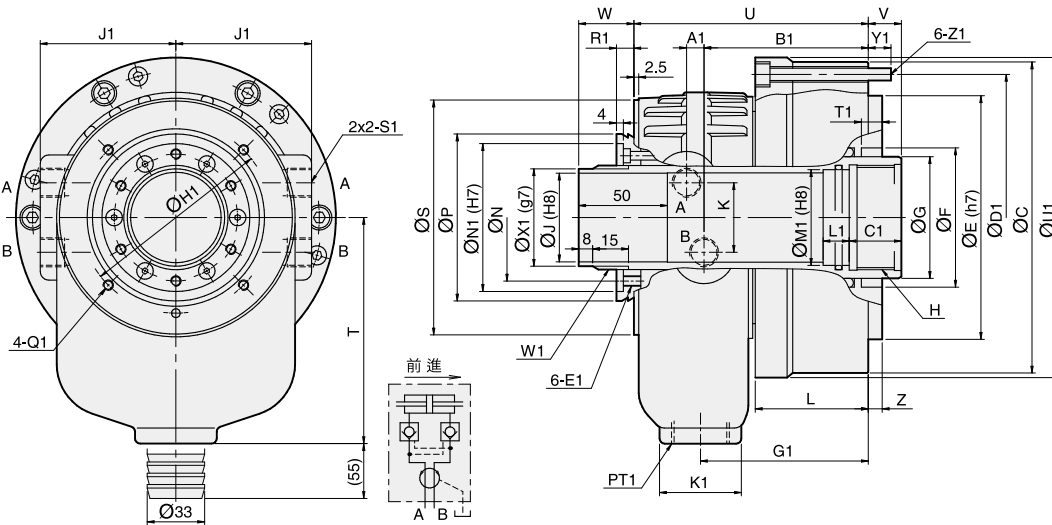


Product schematic

MA

Compact High Speed Through-hole Rotary Hydraulic Cylinder

1. The compact hydraulic cylinder which is shorten the length about 30% and light weight can reduce the spindle loading while running in high speed.
2. Safety structure with built-in patented check valve mechanism ensures that pressure is maintained immediately when abnormal power failure.
3. The newly patented model with opened back-end design is convenient for back-mounted bolt.



UNIT : mm

SPEC Model	Piston Dia. (mm)	Piston Area (cm ²) Push Side / Pull Side	Max. Draw Bar Force (kN)(kgf) Push Side / Pull Side	Piston Stroke (mm)	Max. Operating Pressure (MPa)(kgf / cm ²)	Max. Speed (r.p.m.)	Moment Of Inertia I (kg · m ²)	Weight (kg)	Total Leakage (L/min)
MA1453	145	133.8 / 123.5	56.8(5792) / 52.4(5343)	20	4.5(45.9)	6500	0.032	12	3.9

DIM Model	C	D1	E	F	G	H	J	K	L	N	P	S	T	U	V max.	V min.	W max.	W min.	Z
MA1453	183	165	140	80	70	M60x2.0	53	36	64.5	73	96	135	130	134	19	-1	47	27	8

DIM Model	A1	B1	C1	E1	G1	H1	J1	K1	L1	M1	N1	Q1	R1	S1	T1	U1	W1	X1	Y1	Z1
MA1453	8	96	30	M6x12	96	110	78	47	15	55	85	M6x7	11	PT 3/8	10	183	M58x1.5	56	14	M8x70