



**ROTARY
CYLINDER**

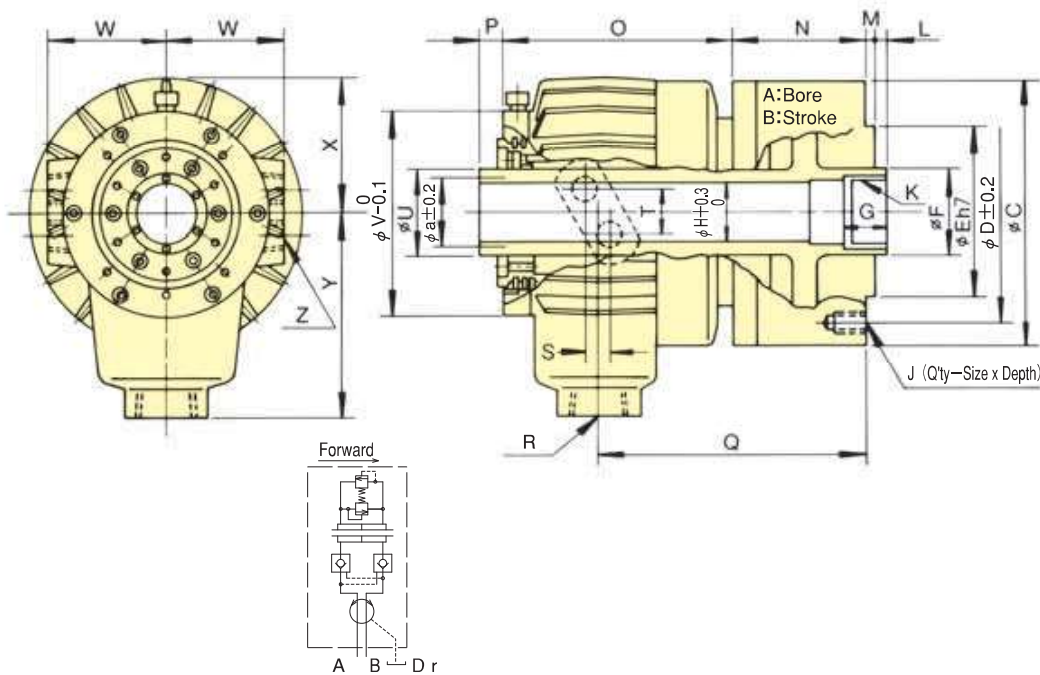
High Speed Hydraulic Cylinder with Open Centre F series

KITAGAWA standard thru-hole type

- Built-in check valve and relief valve
- * CE correspondence (Only series with checking device)



Dimensional Drawings



Cylinder

Dimensions

Dimensions Model	A	B	C	D	E (h7)	F	G	H	J	K	L max.	L min.	M	N	O	P max.	P min.	Q	R	S	T	U	V	W	X	Y	Z	a
F0933H	95	12	125	100	80	45	25	33.5	6-M 8x15	M 38x1.5 + 7	- 5	5	71	119	41	29	142	RC ³ / ₄	11.8	22	M39x1.5	104	64	66	110	2x2RC ¹ / ₄	-	
F2511H	250	23	310	275	230	140	45	117.5	12-M 16x32	M 130x2.0 + 18	- 5	6	101	209	38	15	217	RC 1	27	20	134.6	232	125	135.5	215	2x2PT ³ / ₈	127	

Specifications

*Total leakage : Pressure 3.0MPa (30.6kgf/cm²) and oil temperature 50°C. *Draw bar pull force : Pressure 4.0MPa (40.8kgf/cm²)

Specifications Model	Thru-Hole mm	Piston stroke mm	Piston Area		Draw bar		Max. Operation Pressure MPa (kgf/cm ²)	Total leakage ℓ / min	Max. Speed min ⁻¹	Net Weight kg	Moment of inertia kg·m ²
			Push Side cm ²	Pull Side cm ²	Push Side kN(kgf)	Pull Side kN(kgf)					
F0933H	33	12	58	55	22.0 (2243)	20.6 (2100)	4.00 (40.8)	3.0	8000	8.5	0.008
F2511H	117.5	23	348	336	125.0 (12746)	120.0 (12236)	4.00 (40.8)	7.0	2800	60.0	0.455