

SHL Mega-Bore Short-Body Long-Stroke Open-Center Hydraulic Cylinder



Application

A high speed, open-center cylinder with a larger bore and lighter than the standard SYH (Long Stroke)

Technical features

Built-in lock valve to maintain thrust in case of power failure or sudden pressure drop

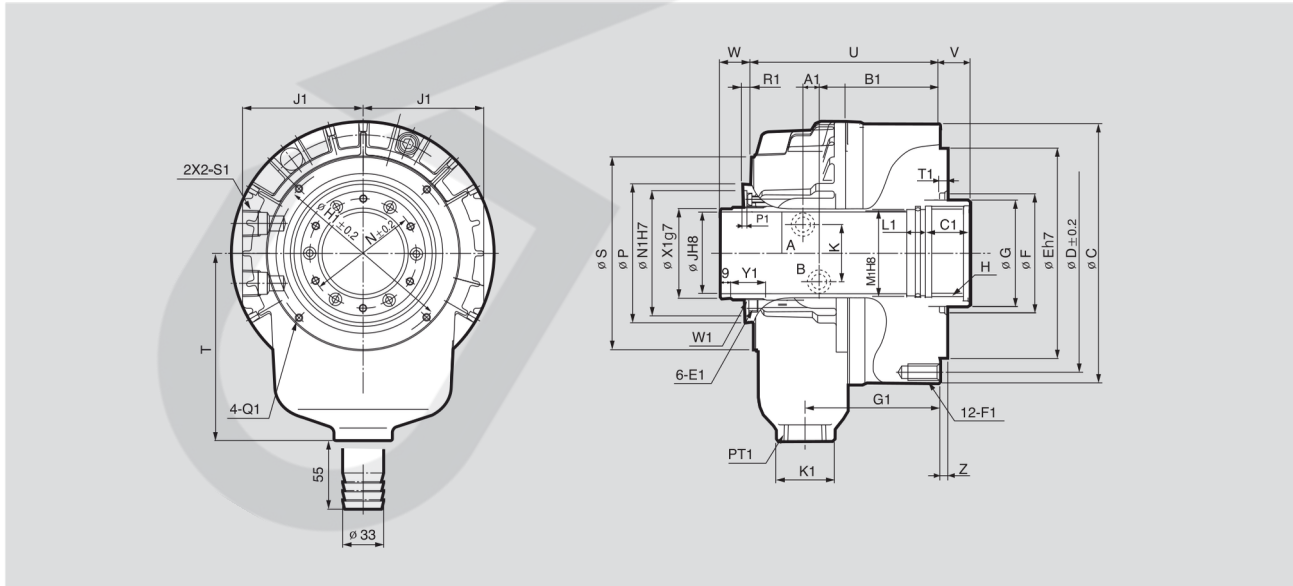
Built-in relief valve prevents overpressure and cylinder damage

SPECIFICATIONS

Available I.D. [mm]	Piston Dia. [mm]	Piston Stroke [mm]	Piston Surface Area (Push) [cm ²]	Piston Surface Area (Pull) [cm ²]	Piston Force (Push) [kN(kgf)]	Piston Force (Pull) [kN(kgf)]	Max. Operating Pressure	Max. r.p.m. [min-1]	Moment of Inertia [kg·m ²]	Weight [kg]	Total Leakage [l/min]	
							[MPa(kgf/cm ²)]					
SHL-39024	240	390	51	681.2	632.4	152.5(15570)	138.7(14152)	2.5(25)	1500	4.045	140	14

※ Maximum turning speed is based upon actual measurement.

※ Specifications are subject to change without notice.



DIMENSIONS

	ΦC	ΦD	ΦE	ΦF	ΦG	Hmax.	ΦJ	K	N	ΦP	ΦS	T
SHL-39024	450	420	320	280	265	M250x3.0	240	30	268	310	370	340

U	V max.	V min.	W max.	W min.	Z	A1	B1	C1	E1	F1DP'	G1	H1
302.5	50	-1	76	25	6	22	199	45	M6	M16 TAP DP'40	215	350

J1	K1	L1	ΦM1	ΦN1	P1	Q1	R1	S1	T1	W1	Y1	ΦX1
215	75	20	243	284	5.5	M6 TAP DP'12	7.5	PT 1/2	8	M253x2.0	249	38