

SDL Mega-Bore Short body Open-Center Hydraulic Cylinder (Long-Stroke)



Application

Large bore work in machines with limited clearance

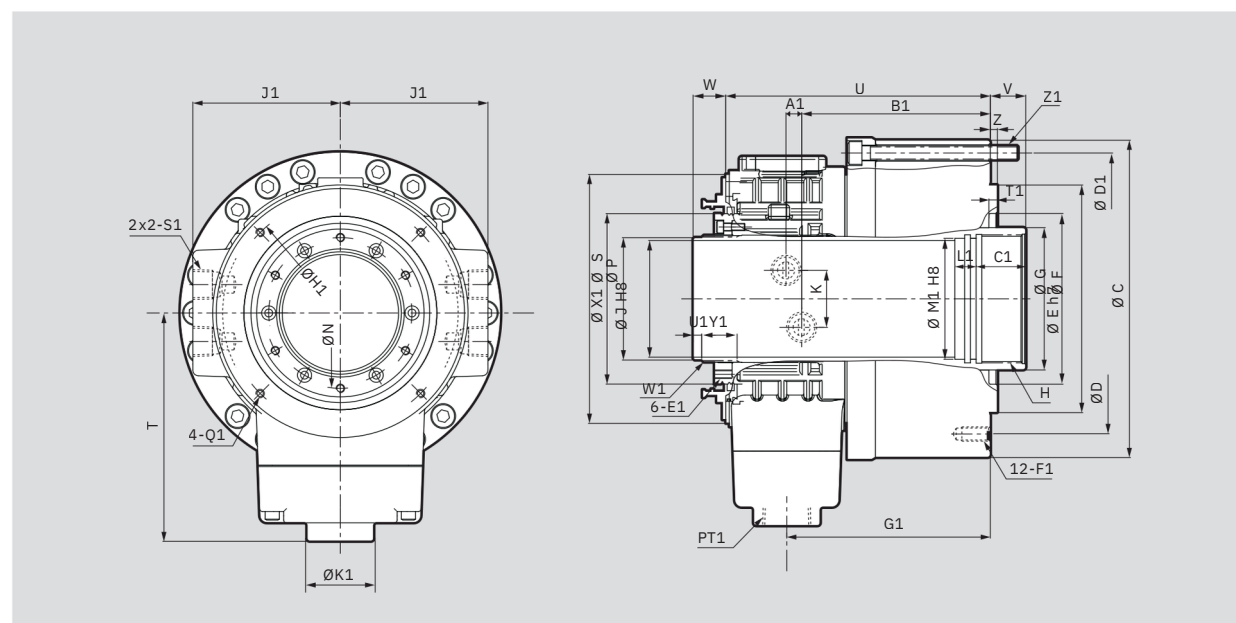
Technical features

Low drain rate reduces heat generation

SPECIFICATIONS

	SDL-25411	SDL-30516
Available I.D. [mm]	117.5	166.5
Piston Dia. [mm]	250	305
Piston Stroke [mm]	50	51
Piston Surface Area (Push) [cm ²]	356	480
Piston Surface Area (Pull) [cm ²]	325	436
Piston Force (Push) [kN(kgf)]	138(14100)	152(15483)
Piston Force (Pull) [kN(kgf)]	126(12900)	138(14060)
Max. Operating Pressure [MPa(kgf/cm ²)]	4.0(40)	3.3(33)
Max. r.p.m. [min-1]	3000	2000
Moment of inertia [kg-m ²]	0.5	1.45
Weight [kg]	54	90
Total Leakage [ℓ/min]	6	8.4

- ※ Maximum turning speed is based upon actual measurement.
- ※ Specifications are subject to change without notice.



- ※ See the product dimension Table on the right.

DIMENSIONS

	SDL-25411	SDL-30516
ΦC	310	370
ΦD	275	290
ΦD1	275	345
ΦE	230	260
ΦF	166	240
ΦG	140	190
H	M130x2.0	M180x3.0
ΦJ	117.5	166.5
K	46	42
N	138	188
ΦP	170	222
ΦS	230	278
T	204	230
U	258	290
V max	46	51
V min	-4	0
W max	75	76
W min	25	25
Z	6	5
A1	18	17.5
B1	178.5	206
C1	45	45
E1	M6	M6
F1	M16 TAP DP'32	M16 TAP DP'32
G1	194.5	221
H1	206	256
J1	135	160
K1	47	47
L1	20	20
M1	123	170
Q1	M6 TAP DP'12	M6 TAP DP'12
S1	G 3/8	G 1/2
T1	6	7
W1	M124x2.0	M173x2.0
ΦX1	121.5	170.5
Y1	29	45
U1	9	8
Z1	8-M12x140	12-M12x160