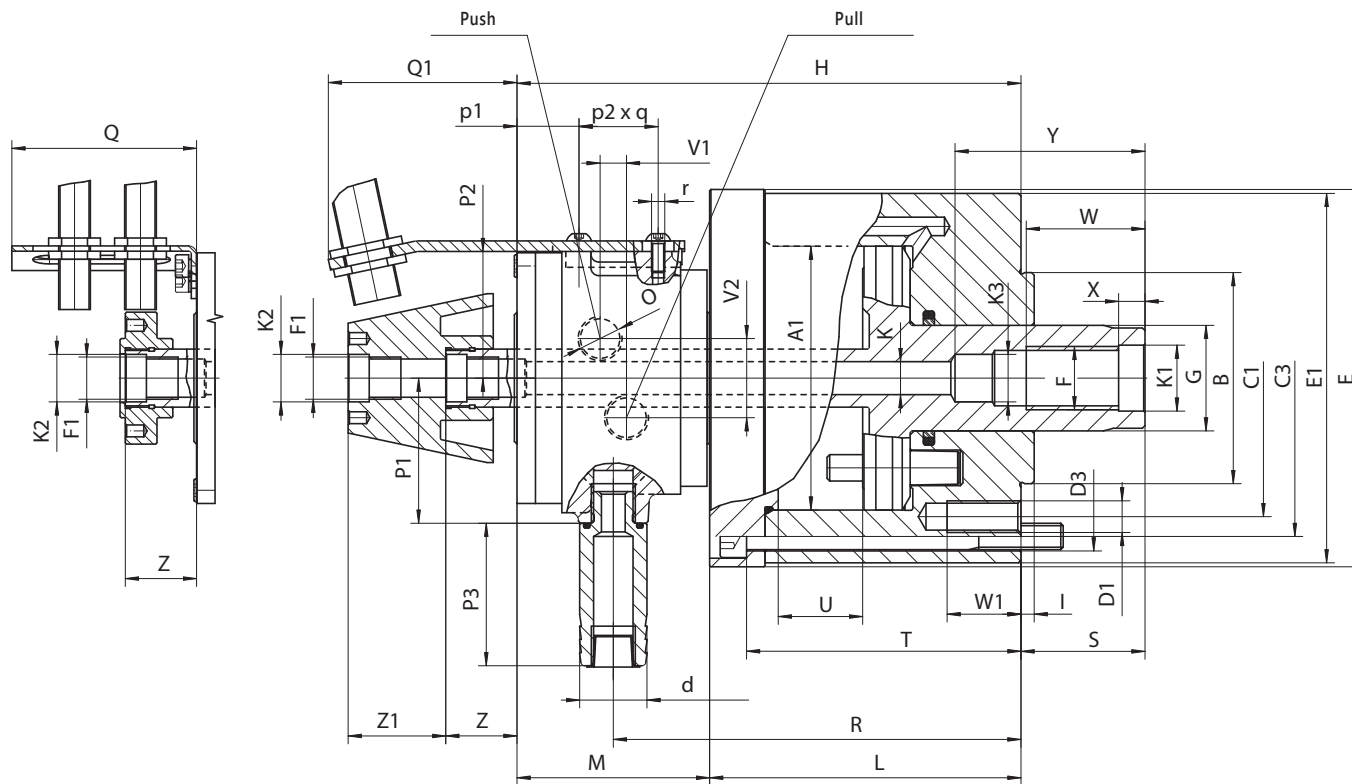


1304-SDC

1304-SKC



- They are mainly used to drive the lathe chucks and special powered fixtures operating in a horizontal positioning system
- The piston stroke control system located in the rear side of the cylinder is actuated via two proximity switches (type SDC) or a proximity switch and wedge block (type SKC). These switches are not included in the delivery.
- Built-in non-return valve maintains a constant pressure flow in the powered piston chambers in case of oil supply disruption or power pressure drop
- Central through-hole designed to supply with additional coolant or air
- Rear mount with screws
- Unbalance G 6.3



SDC - standard version with a piston stroke control system via two proximity switches

SKC - optional version with a piston stroke control system via a proximity switch and wedge block

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1304-SDC

1304-SKC

Code No.	7-796-100B	7-796-100A	7-796-200B	7-796-200A	7-796-150B	7-796-150A	7-796-250B	7-796-250A
Type	1304-100-SDC	1304-100-SKC	1304-150-SDC	1304-150-SKC	1304-200-SDC	1304-200-SKC	1304-250-SDC	1304-250-SKC
A1 Size [mm]	100	100	150	150	200	200	250	250
B h6 [mm]	80	80	95	95	125	125	160	160
C1 [mm]	105	105	145	145	170	170	220	220
C3 [mm]	120	120	170	170	225	225	275	275
D1 [mm]	4 x M12	4 x M12	4 x M16	4 x M16	6 x M16	6 x M16	6 x M20	6 x M20
D3 [mm]	6 x ø 11	6 x ø 11	6 x ø 13	6 x ø 13	6 x ø 17	6 x ø 17	6 x ø 17	6 x ø 17
d [mm]	25.5	25.5	25.5	25.5	30	30	30	30
E [mm]	143	143	195	195	255	255	305	305
E1 [mm]	140	140	192	192	250	250	300	300
F [mm]	M24	M24	M30	M30	M42 x 3	M42 x 3	M42 x 3	M42 x 3
F1 [mm]	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH	M16 x 1.5 LH
G [mm]		40	50	50	65	65	65	65
H [mm]	191	191	216	216	252	252	277	277
I [mm]	5	5	5	5	5	5	5	5
K [mm]	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
K1 [mm]	25	25	31	31	44	44	44	44
K2 J6 [mm]	18	18	18	18	18	18	18	18
K3 H8 [mm]	18	18	24	24	-	-	36	36
L [mm]	118	118	138	138	160	160	185	185
M [mm]	73	73	73	73	92	92	92	92
O [in]	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
P1 [mm]	55	55	55	55	65	65	65	65
P2 [mm]	48	48	48	48	59	59	59	59
P3 [mm]	54	54	54	54	96	96	96	96
Q [mm]	77	77	77	77	97	97	97	97
Q1 [mm]	71.5	71.5	71.5	71.5	81	81	81	81
R [mm]	154.5	154.5	174.5	174.5	207	207	232	232
S max. [mm]	47	47	70	70	80	80	85	85
p1 [mm]	23.5	23.5	23.5	23.5	36	36	38	38
p2 x q [mm]	30 x 30	30 x 30	30 x 30	30 x 30	30 x 30	30 x 30	30 x 30	30 x 30
T [mm]	104	104	122	122	140	140	165	165
U Stroke [mm]	32	32	40	40	50	50	60	60
V1 [mm]	10	10	10	10	12	12	12	12
V2 [mm]	30	30	30	30	36	36	36	36
W [mm]	45	45	45	45	60	60	60	60
W1 [mm]	28	28	22	22	35	35	40	40
X [mm]	10	10	10	10	12	12	12	12
Y [mm]	72	72	85	85	-	-	-	-
Z [mm]	27	27	27	27	27	27	27	27
Z1 [mm]	33	33	33	33	51	51	51	51
r [mm]	M5	M5	M5	M5	M5	M5	M5	M5
Piston area	A [cm ²]	74.7	174	174	308	308	480	480
	B [cm ²]	66	66	157	157	280.9	280.9	457
Max. pressure [MPa]	7	7	7	7	7	7	5	5
Max. push force ¹ [kN]	51	51	121	121	215	215	240	240
Max. pull force ¹ [kN]	45	45	109	109	196	196	228	228
Oil leakage (p=3 MPa, 50° C) [dm ³ /min]	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0
Max. speed [rpm]	7,000	7,000	6,000	6,000	4,000	4,000	2,000	2,000
Moment of inertia [kgm ²]	0.03	0.03	0.08	0.08	0.3	0.3	0.92	0.92
Absorbed power [KW]	1.0	1.0	1.5	1.5	2.0	2.0	2.5	2.5
Weight [lbs]	25.13	25.13	44.09	44.09	82.89	82.89	198.42	198.42

¹Ø100-200 (p=7.0MPa); Ø250 (p=5.0 MPa)