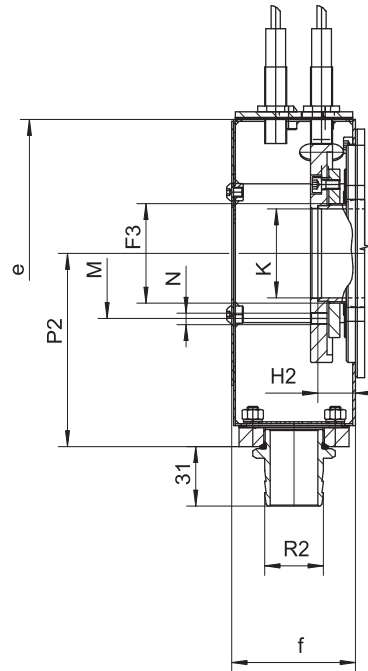


1305-SDC

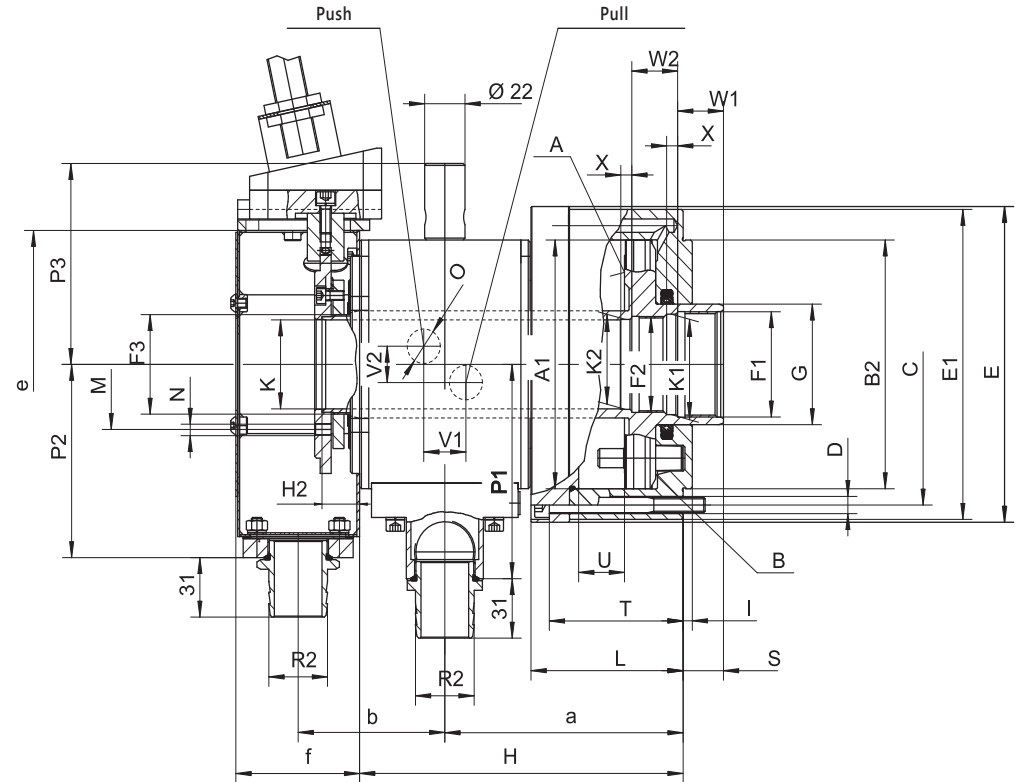
1305-SKC



- 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
- Large through-hole
- 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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1305-SDC

1305-SKC

Code No.	7-797-102B	7-797-102A	7-797-150B	7-797-150A	7-797-225B	7-797-225A	7-797-130A	7-797-130B
Type	1305-102-46-SDC	1305-102-46-SKC	1305-130-52-SDC	1305-130-52-SKC	1305-150-67-SDC	1305-150-67-SKC	1305-225-95-SDC	1305-225-95-SKC
A1 Size [mm]	130	130	150	150	165	165	205	205
B2 h6 [mm]	130	130	140	140	160	160	210	210
C [mm]	147	147	165	165	180	180	227	227
D [mm]	6 x ø9	6 x ø9	6 x ø9	6 x ø9	6 x ø11	6 x ø11	6 x ø11	6 x ø11
E [mm]	165	165	185	185	202	202	249	249
E1 [mm]	162	162	182	182	197	197	245	245
F1 [mm]	M55x2.0	M55x2.0	M60 x 1.5	M60 x 1.5	M75 x 2.0	M75 x 2.0	M105 x 2.0	M105 x 2.0
F2 [mm]	M50x1.5	M50x1.5	M55 x 2.0	M55 x 2.0	M72 x 1.5	M72 x 1.5	M100 x 2.0	M100 x 2.0
F3 [mm]	M52x1.5	M52x1.5	M60 x 1.5	M60 x 1.5	M74 x 1.5	M74 x 1.5	M104 x 2.0	M104 x 2.0
G [mm]	61	61	70	70	85	85	115	115
H [mm]	162.5	162.5	162.5	162.5	179	179	204	204
H2 [mm]	20.5	20.5	20.5	20.5	21	21	21	21
I [mm]	5	5	5	5	8	8	8	8
K [mm]	46.5	46.5	52.5	52.5	67.5	67.5	95.5	95.5
K1 H9 [mm]	52.5	52.5	57	57	72.5	72.5	102.5	102.5
K2 H9 [mm]	47	47	52.5	52.5	69	69	97	97
L [mm]	83	83	83	83	94	94	106	106
M [mm]	ø68	ø68	ø76	ø76	ø91	ø91	ø120	ø120
N [mm]	M6 (x2)	M6 (x2)	M6 (x2)	M6 (x2)	M6 (x2)	M6 (x2)	M6 (x2)	M6 (x2)
O [in]	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8
P1 [mm]	120	120	127	127	137	137	159.5	159.5
P2 [mm]	98	98	98.0	98.0	130	130	135	135
P3 [mm]	116	116	120	120	130	130	152.5	152.5
R2* [mm]	32	32	32	32	32	32	32	32
S max. [mm]	22	22	22	22	25	25	31	31
T [mm]	73	73	73	73	82	82	94	94
U Stroke [mm]	25	25	25	25	30	30	35	35
V1 [mm]	9	9	9	9	10	10	11	11
V2 [mm]	28	28	28	28	36	36	36	36
W1	25	25	25	25	25	25	32	32
W2 [mm]	25	25	28	28	28	28	30	30
X [mm]	6	6	6	6	6	6	6	6
a [mm]	122.5	122.5	122.5	122.5	136	136	155	155
b [mm]	74	74	74	74	87.5	87.5	94	94
e [mm]	144	144	144	144	164	164	208	208
f [mm]	68.5	68.5	68.5	68.5	90	90	90	90
Piston area	A [cm ²]	110	110	145.5	145.5	169	169	243
	B [cm ²]	103.5	103.5	138.2	138.2	157	157	226
Max. pressure [MPa]	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max. push force (p=4.5 MPa) [kN]	49.5	49.5	64	64	75	75	108	108
Max. pull force (p=4.5 MPa) [kN]	46	46	61	61	70	70	100	100
Oil leakage (p=3 MPa, 50° C) [dm ³ /min]	3	3	3.5	3.5	4	4	7	7
Max. speed [rpm]	7,100	7,100	6,300	6,300	6,000	6,000	4,500	4,500
Moment of inertia [kgm ²]	0.03	0.03	0.04	0.04	0.07	0.07	0.17	0.17
Absorbed power [KW]	1.2	1.2	1.5	1.5	1.5	1.5	2	2
Weight [lbs]	33.07	33.07	37.48	37.48	50.71	50.71	77.16	77.16

*Ø40 or Ø60 are available on request

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1305-SDC

1305-SKC