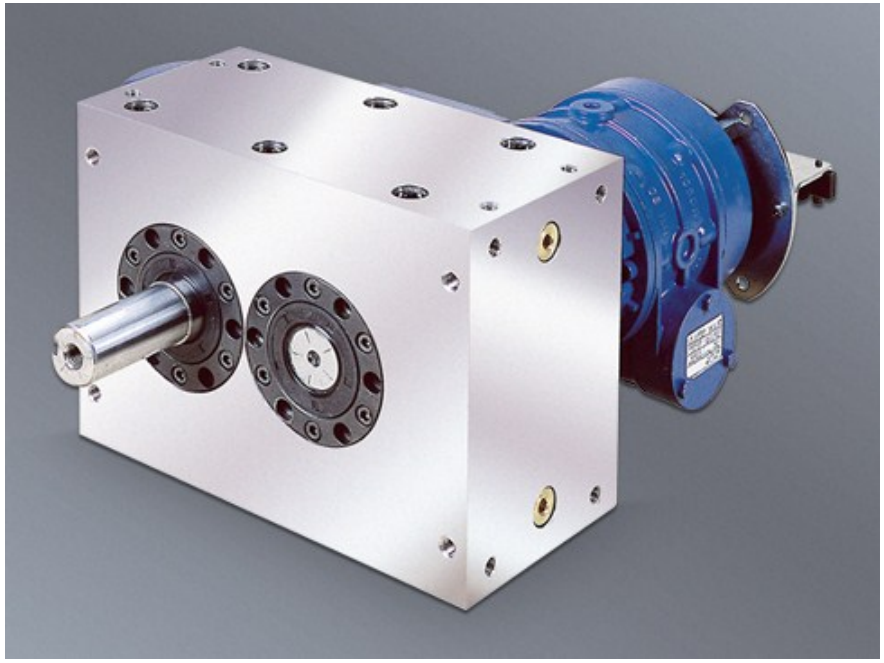
SOPAP Automation.

FABRICATION FRANÇAISE

PA 65-130

Index units with parallel shafts



PA 65-130
Index units with parallel shafts

Technical characteristics

Size	65	80	105	130
Max. allowable axial load input shaft **ABE** (daN)	16	37	55	80
Max. allowable radial load input shaft **RBE** (daN)	65	140	200	250
Max. allowable tilting torque input shaft **KME** (daNm)	2,6	8,4	16	27,5
Max. allowable axial load output shaft **ABA** (daN)	32	75	110	160
Max. allowable radial load output shaft **RBA** (daN)	65	140	200	250
Max. allowable tilting torque output shaft **KMA** (daNm)	2,6	8,4	16	27,5
Additional fixed torque Mf1 (daNm)	1,2	1,5	2,5	3,5

Indexing unit *Number of stops:*	Oscillating unit *Angle of oscillation:*
1 - 2 - 3 - 4 - 6 - 8	15° - 20° - 30° - 45°
Further numbers of stop on request	Further angles of oscillation on request

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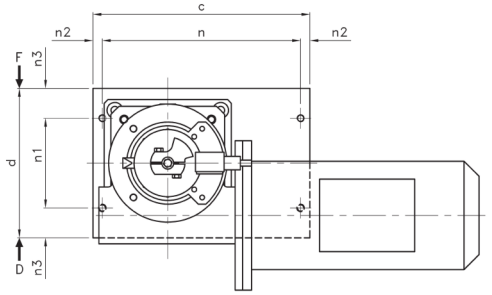

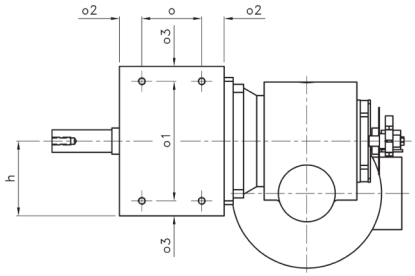

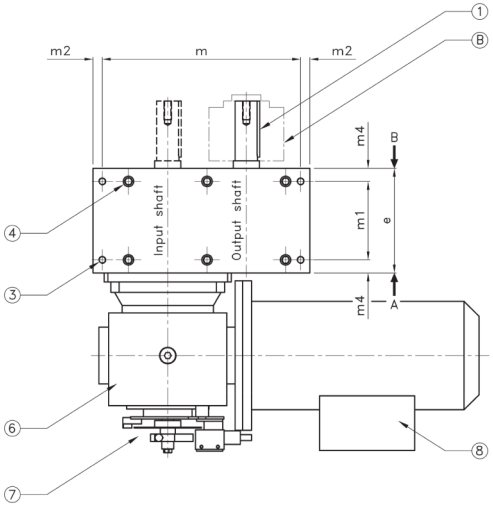

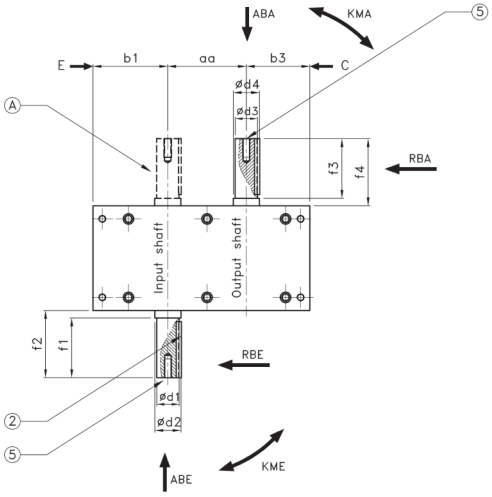

① Positioning of the key in the dwell phase (stop period)

② Positioning of the key in the dwell phase (middle of the stop period)

③ 4 threaded holes **P** on all faces

④ 6 assembly stud bolts on faces D and F

⑤ Threaded holes **Y**

⑥ Reducer

⑦ Cam command for motor stop

⑧ Brake-motor

Extra features on request

Ⓐ Double input shaft

Ⓑ Torque limiter at output

Dimensions without tolerances according to JS 13

Key normalised under DIN 6885

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PA 65-130
Index units with parallel shafts

Dimensions

Size	PA 65	PA 80	PA 105	PA 130
aa	65	80	105	130
b1	65	85	100	125
b3	50	65	85	105
c	180	230	290	360
d	130	170	200	250
Ø d1 k6	19	28	30	42
Ø d2	20	30	35	45
Ø d3 k6	19	28	30	42
Ø d4	20	30	35	45
e	90	115	140	170
f1	40	60	80	110
f2	45,5	67,5	90	120
f3	40	60	80	110
f4	45,5	67,5	90	120
h	65	85	100	125
m	160	210	265	320
m1	40	60	105	100
m2	10	10	12,5	20
m4	25	27,5	17,5	35
n	165	210	265	320
n1	80	120	120	150
n2	7,5	10	12,5	20
n3	25	25	40	50
o	65	80	80	140
o1	105	145	160	200
o2	12,5	17,5	30	15
o3	12,5	12,5	20	25
P	M6 x 12	M8 x 15	M10 x 20	M12 x 20
Y	M6 x 15	M10 x 20	M10 x 25	M16 x 35
Weight (kg)	~ 7	~ 15	~ 25	~ 52

Remarks:

- This intermittent motion mechanism includes two coupled cams and a radial roller gear hub for the intermittent command of division plates, conveyors, etc.
- Vibrationless positive motion
- Lifetime grease
- Housing machined on all faces allowing all mounting positions
- Possible supply of single parts (cams and turret)
- Available with gear reducer or motor gear reducer
- Please avoid the mounting of elastic elements on the input and output shafts
- The inversion of the input shaft rotation will also provide an inversion of output shaft rotation without changing the kinematical characteristics

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