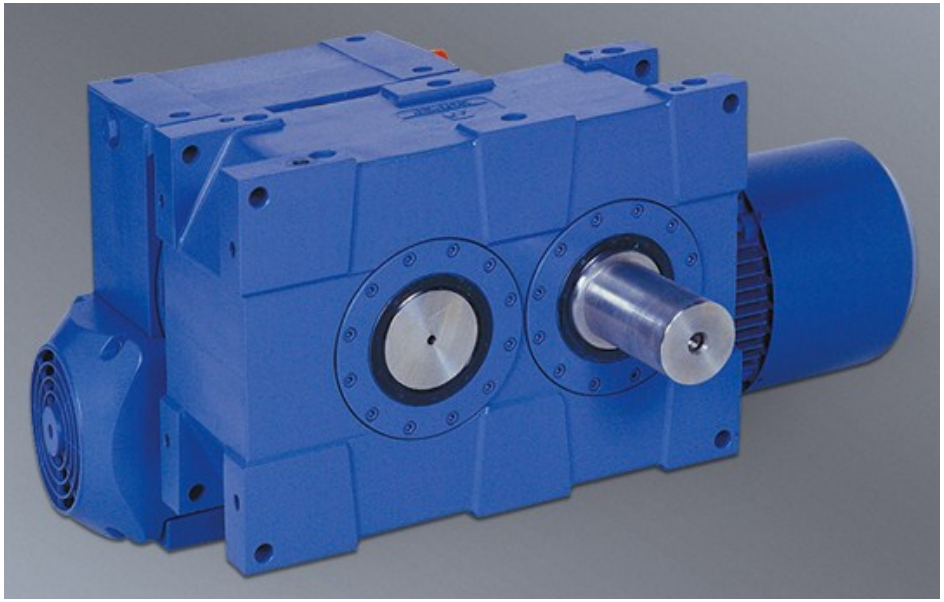
SOPAP Automation.

FABRICATION FRANÇAISE

PA 165-315

Index units with parallel shafts



PA 165-315

Technical characteristics

Size	165	200	250	315
Max. allowable axial load input shaft **ABE** (daN)	250	420	650	950
Max. allowable radial load input shaft **RBE** (daN)	728	1 190	1 940	3 270
Max. allowable tilting torque input shaft **KME** (daNm)	102	190	370	720
Max. allowable axial load output shaft **ABA** (daN)	400	680	1 070	1 680
Max. allowable radial load output shaft **RBA** (daN)	728	1 190	1 940	3 270
Max. allowable tilting torque output shaft **KMA** (daNm)	102	190	370	720
Additional fixed torque Mf1 (daNm)	4	6	8	10

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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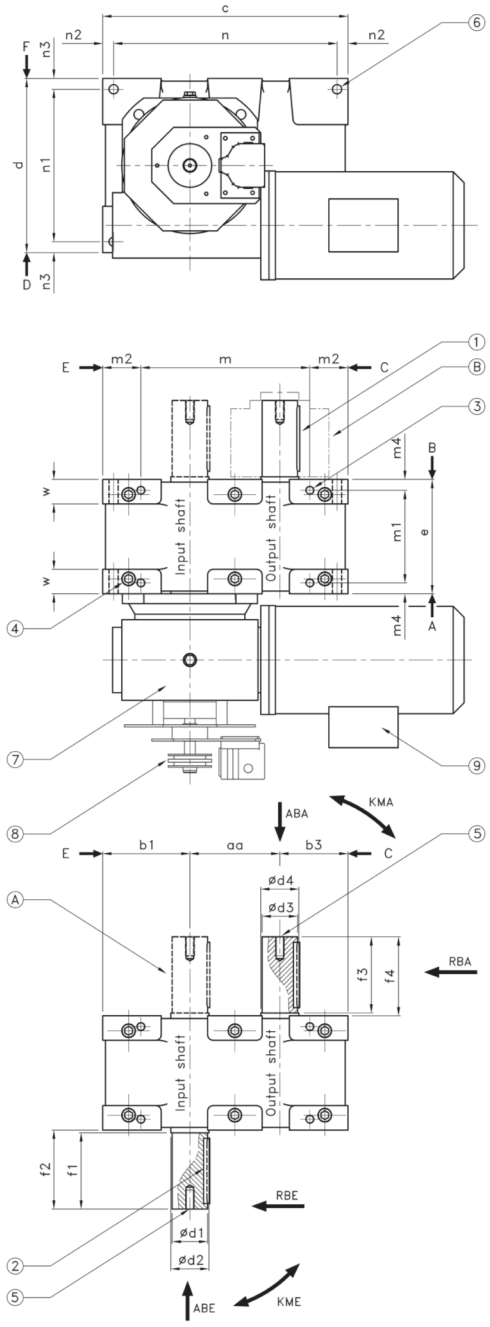
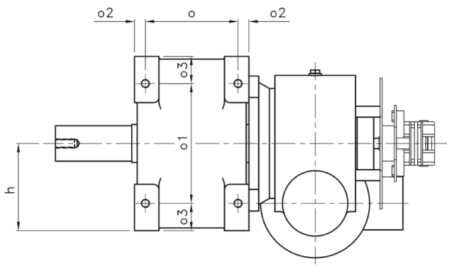
LA MAÎTRISE DU MOUVEMENT

PA 165-315





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 faces C, D, E and F

④ 6 assembly stud bolts on faces D and F

⑤ Threaded hole **Y**

⑥ 4 holes Ø **q** on faces A and B

⑦ Reducer

⑧ Cam command for motor stop

⑨ 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

PA 165-315
Index units with parallel shafts
PA 165-315

Dimensions

Size	PA 165	PA 200	PA 250	PA 315
aa	165	200	250	315
b1	160	195	245	310
b3	125	145	195	245
c	450	540	690	870
d	320	390	490	620
Ø d1 k6	65	80	100	125
Ø d2	70	100	120	150
Ø d3 k6	65	80	100	125
Ø d4	70	100	120	150
e	210	240	290	390
f1	140	160	190	220
f2	145	165	195	225
f3	140	160	190	220
f4	145	165	195	225
h	160	195	245	310
m	310	400	490	630
m1	170	200	240	340
m2	70	70	100	120
m4	20	20	25	25
n	410	500	640	820
n1	280	350	440	570
n2	20	20	25	25
n3	20	20	25	25
o	170	200	240	340
o1	220	250	350	480
o2	20	20	25	25
o3	50	70	70	70
P	M16 x 30	M16 x 30	M20 x 40	M20 x 40
Ø q	17	19	22	22
w	40	48	50	50
Y	M16 x 35	M16 x 35	M20 x 50	M20 x 50
Weight (kg)	~ 102	~ 172	~ 320	~ 570

Dimensions for reducers and motors: please contact us.
Dimensions PA 400, PA 650, PA 800 on request.

Remarque:

- 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
- 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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