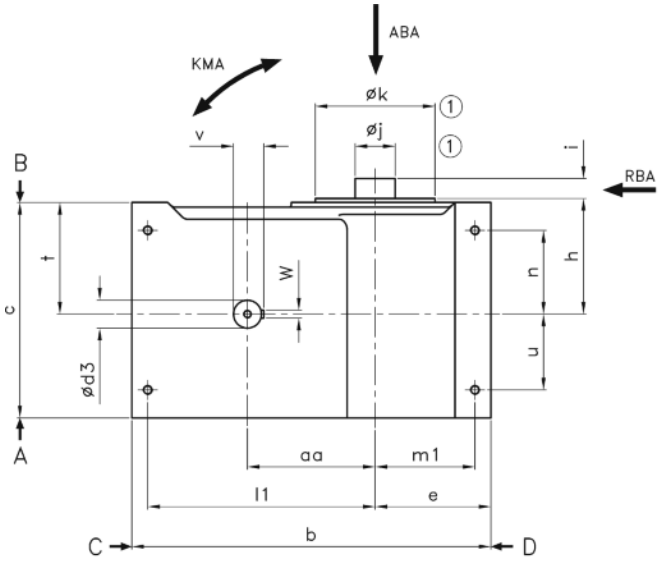
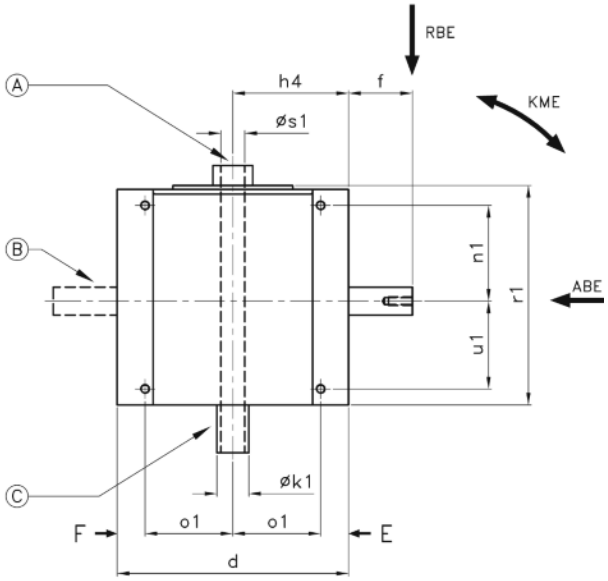
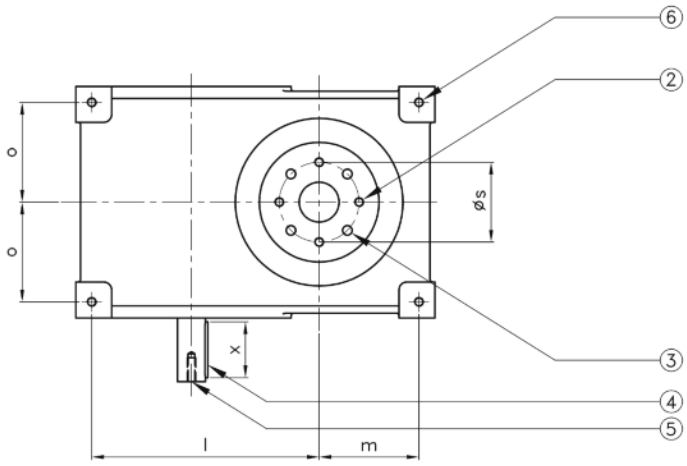
EG series 50-250







① Rotating

② 4 threaded holes **Q** on Ø **s**
A hole is in this position
in one of the stop period

③ Pinning on Ø **s**
To be undertaken by customer

④ The key is in this position when the
cam is at the middle of the stop period

⑤ Threaded hole **Y**

⑥ 4 threaded holes **P**

Extra features on request

Ⓐ Hollow output shaft

Ⓑ Double input shaft

Ⓒ Double output shaft upon
customer's dimensions requirements

Dimensions without tolerances
according to JS 13

Keys normalised under DIN 6885

3 years warranty on standard products.

Subject to technical modifications.

EG series 50-250

EXPERT® Indexing & Positioning.

Technical characteristics

Size	50	63	80	100	125	160	200	250
Concentricity on diam. K without loading (mm)	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,02
Flatness on diam. K without loading (mm)	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,02
Max. allowable axial load output shaft **ABA** (daN)	24	105	180	200	250	325	395	555
Max. allowable radial load output shaft **RBA** (daN)	115	545	800	1 000	1 200	1 635	1 975	2 790
Max. allowable tilting torque output shaft **KMA** (daNm)	15	21	45	68	95	171	295	436
Additional fixed torque Mf1 (daNm)	0,5	0,8	1,5	2,2	3	4	5	6,5

Indexing accuracy ± 0.02 mm on Rs

Repeatability ± 0.01 mm on Rs

Loads input shaft	Active zone of cam		Size							
	1	2								
	Number of stops		50	63	80	100	125	160	200	250
Max. allowable axial load input shaft **ABE** (daN)	until 10	16	15	30	32	55	75	115	235	350
	12 to 16	24	-	15	25	29	45	50	115	160
	20 to 24		-	-	25	29	29	50	51	122
Max. allowable radial load input shaft **RBE** (daN)	until 10	16	75	160	160	275	380	575	1170	1765
	12 to 16	24	-	75	140	145	240	255	590	800
	20 to 24		-	-	140	140	145	255	255	605
Max. allowable tilting torque input shaft **KME** (daNm)	until 10	16	3	8	15	26	26	62	122	163
	12 to 16	24	-	5	8	15	26	26	62	122
	20 to 24		-	-	8	15	15	26	26	62

Indexing unit
Number of stops:

2 - 3 - 4 - 5 - 6 - 9 - 10 -
12 - 16 - 20 - 24

Further numbers of stop on request

Oscillating unit
Angle of oscillation:

15° - 20° - 30° - 45° - 60° -
75° - 90° - 120°

Further angles of oscillation on request

Subject to technical modifications.

EG series 50-250

EXPERT Indexing & Positioning.

Dimensions

Size	S 50	S 63	S 80	S 100	S 125	S 160	S 200	S 250
aa	50	63	80	100	125	160	200	250
b	140	180	230	280	365	450	550	720
c	100	130	160	185	215	270	330	390
d	90	120	160	180	220	290	360	500
e	45	60	70	90	110	145	180	250
Ø d3*	14	19	19	24	28	35	48	55
Ø d3**	-	14	19	19	24	24	35	42
Ø d3***	-	-	19	19	19	24	24	35
h	62	77	95	100	115	145	175	205
i	10	10	20	20	25	25	25	25
Ø j f7	15	25	40	40	50	50	50	60
Ø k	40	60	80	90	105	150	160	180
K1 max	15	20	20	25	30	40	60	60
l	75	110	145	175	235	285	350	440
m	35	50	55	75	90	125	160	220
n	40	55	70	80	75	105	120	150
o	35	50	65	75	90	125	160	220
P	M6 x 13	M8 x 16	M10 x 20	M10 x 20	M12 x 20	M12 x 25	M16 x 30	M16 x 30
Q	M8 x 16	M8 x 16	M10 x 15	M10 x 15	M12 x 22	M12 x 30	M12 x 40	M16 x 45
Ø s	28	45	60	65	80	100	130	140
t	50	65	85	95	110	140	170	200
u	40	55	40	55	70	95	110	140
l1	85	100	135	165	235	285	350	440
m1	25	40	45	65	90	125	160	220
n1	30	55	70	80	90	120	150	170
u1	30	55	40	55	85	110	140	160
o1	35	40	55	65	75	110	140	200
h4	57	72	80	90	110	145	180	250
b1	89	119	-	-	-	-	-	-
c1	89	108	-	-	-	-	-	-
p1	13	16	20	20	20	25	30	30
q1	16	16	15	15	20	20	20	25
r1	112	142	170	190	220	275	335	395
Ø s1	8	10	12	15	22	30	40	45
Weight (kg)	~ 9	~ 14	~ 25	~ 38	~ 63	~ 110	~ 195	~ 385

* until 10 stops

** 12 to 16 stops

*** 20 to 24 stops

For dimensions of S 140 and S 315 please contact us
Dimensions for reducers and motors: please contact us

EG series 50-250

EXPERT Indexing & Positioning.

Dimensions

Size	S 50	S 63	S 80	S 100	S 125	S 160	S 200	S 250
aa	50	63	80	100	125	160	200	250
b	140	180	230	280	365	450	550	720
c	100	130	160	185	215	270	330	390
d	90	120	160	180	220	290	360	500
e	45	60	70	90	110	145	180	250
Ø d3*	14	19	19	24	28	35	48	55
Ø d3**	-	14	19	19	24	24	35	42
Ø d3***	-	-	19	19	19	24	24	35
h	62	77	95	100	115	145	175	205
i	10	10	20	20	25	25	25	25
Ø j f7	15	25	40	40	50	50	50	60
Ø k	40	60	80	90	105	150	160	180
K1 max	15	20	20	25	30	40	60	60
l	75	110	145	175	235	285	350	440
m	35	50	55	75	90	125	160	220
n	40	55	70	80	75	105	120	150
o	35	50	65	75	90	125	160	220
P	M6 x 13	M8 x 16	M10 x 20	M10 x 20	M12 x 20	M12 x 25	M16 x 30	M16 x 30
Q	M8 x 16	M8 x 16	M10 x 15	M10 x 15	M12 x 22	M12 x 30	M12 x 40	M16 x 45
Ø s	28	45	60	65	80	100	130	140
t	50	65	85	95	110	140	170	200
u	40	55	40	55	70	95	110	140
l1	85	100	135	165	235	285	350	440
m1	25	40	45	65	90	125	160	220
n1	30	55	70	80	90	120	150	170
u1	30	55	40	55	85	110	140	160
o1	35	40	55	65	75	110	140	200
h4	57	72	80	90	110	145	180	250
b1	89	119	-	-	-	-	-	-
c1	89	108	-	-	-	-	-	-
p1	13	16	20	20	20	25	30	30
q1	16	16	15	15	20	20	20	25
r1	112	142	170	190	220	275	335	395
Ø s1	8	10	12	15	22	30	40	45
Weight (kg)	~ 9	~ 14	~ 25	~ 38	~ 63	~ 110	~ 195	~ 385

* until 10 stops

** 12 to 16 stops

*** 20 to 24 stops

For dimensions of S 140 and S 315 please contact us
Dimensions for reducers and motors: please contact us

EG Baureihe 50-250

Input shaft dimensions

Ø d3	14^{j6}	19^{j6}	24^{j6}	28^{j6}	35^{k6}	42^{k6}	48^{k6}	55^{k6}	65^{k6}
f	30	40	50	60	80	110	110	110	140
v	16	21,5	27	31	38	45	51,5	59	69
w^{N9}	5	6	8	8	10	12	14	16	18
x	25	30	40	50	70	100	100	100	125
Y	M4 x 10	M5 x 10	M6 x 12	M8 x 15	M10 x 20	M12 x 25	M16 x 35	M16 x 35	M16 x 35

Variants for housings with centres distance of 50 and 63 mm