

2.4.6 Bearing series FK/FF

2.4.6.1 Fixed bearing FK

The corresponding supported bearing is the bearing series FF (page 118). The correct end machining for the fixed bearing is type E8-xx (page 107).

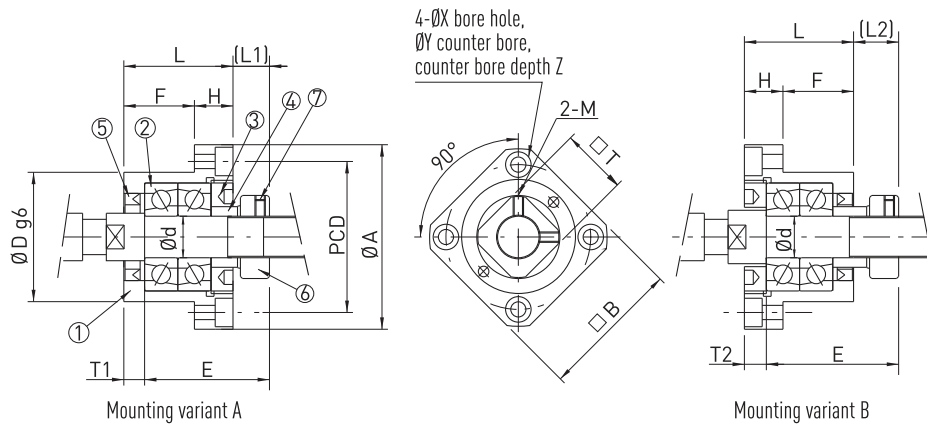


Table 2.40 Dimensions of the bearing unit

Article number	Spindle Ø	d	L	H	F	E	D g6	A	PCD	B	Mounting variant A		Mounting variant B		X	Y	Z	M	T	G	Q
											L1	T1	L2	T2							
FK08	12	8	23	9	14	26	28	43	35	35	7	4	10	7	3,4	6,5	4	M3	14	—	—

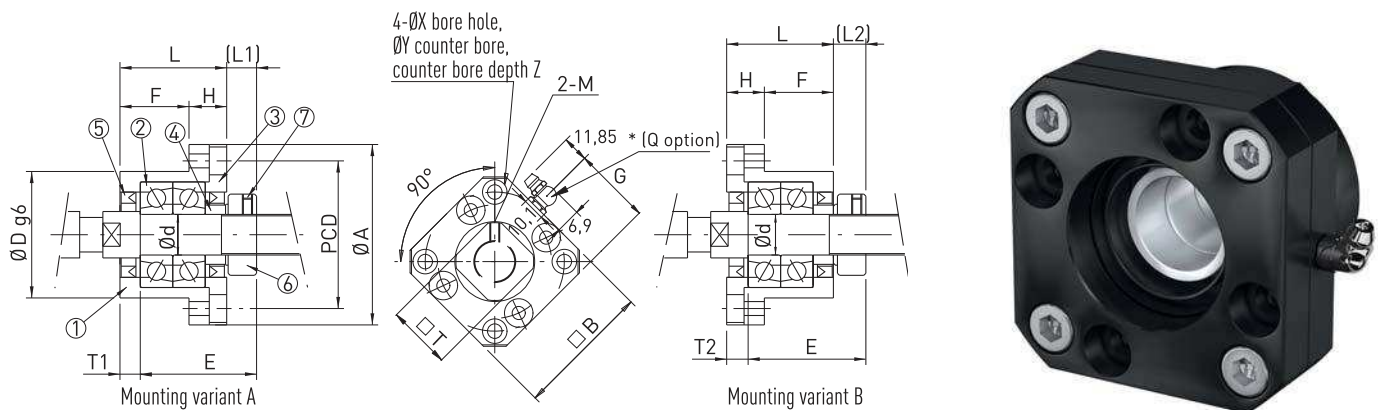


Table 2.41 Dimensions of the bearing unit

Article number	Spindle Ø	d	L	H	F	E	D g6	A	PCD	B	Mounting variant A		Mounting variant B		X	Y	Z	M	T	G	Q
											L1	T1	L2	T2							
FK10	16	10	27	10	17	29,5	34	52	42	42	7,5	5	8,5	6	4,5	8,0	4	M3	16	—	—
FK12	16*	12	27	10	17	29,5	36	54	44	44	7,5	5	8,5	6	4,5	8,0	4	M4	19	—	—
FK15	20	15	32	15	17	36,0	40	63	50	52	10,0	6	12,0	8	5,5	9,5	6	M4	22	—	—
FK20	25	20	52	22	30	50,0	57	85	70	68	8,0	10	12,0	14	6,6	11,0	10	M4	30	34	M6
FK25	32	25	57	27	30	60,0	63	98	80	79	13,0	10	20,0	17	9,0	15,0	13	M5	35	39	M6
FK30	40	30	62	30	32	61,0	75	117	98	93	11,0	12	17,0	18	11,0	17,5	15	M6	40	46	M6

(1) housing, (2) bearing, (3) cover plate, (4) supporting ring, (5) seal, (6) lock nut, (7) allen set screw

*depending to the effective spindle-diameter.

Ballscrews

Accessory

Table 2.42 **Technical data of the bearing**

Article number	Bearing	Static Load C_0 [N]	Dynamic Load C_{dyn} [N]	Max. axial load [N]	r max. [r/min]
FK08	708	4800	2800	1000	40000
FK10	7000A P0	8800	5200	1900	24000
FK12	7001A P0	9400	6000	2200	22000
FK15	7002A P0	10000	6900	2400	19000
FK20	7204B P0	21600	15300	6800	9500
FK25	7205B P0	24000	19000	8100	8500
FK30	7206B P0	33500	27000	10600	7100

2.4.6.2 Supported bearing FF

The corresponding fixed bearing is the bearing series FK (page 117). The correct end machining for the supported bearing is type E10-xx (page 107).

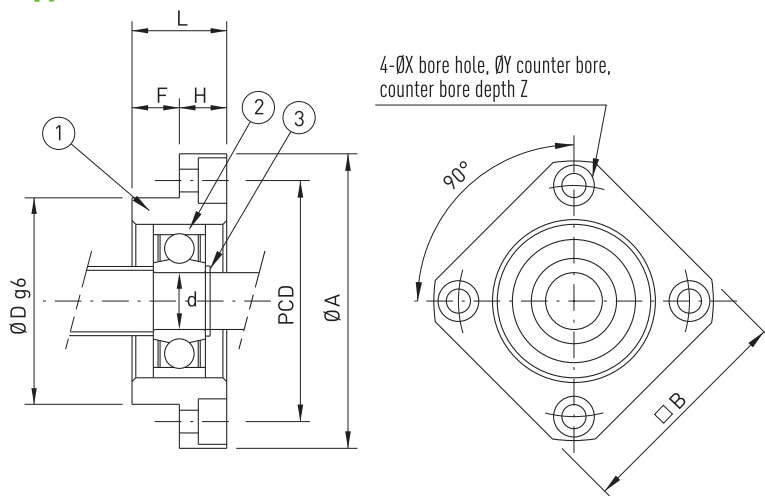


Table 2.43 **Dimensions of the bearing unit**

Article number	Spindle Ø	d	L	H	F	D g6	A	PCD	B	X	Y	Z	Bearing	Circlip
FF10	16	8	12	7	5	28	43	35	35	3,4	6,5	4,0	608ZZ	S 08
FF12	16*	10	15	7	8	34	52	42	42	4,5	8,0	4,0	6000ZZ	S 10
FF15	20	15	17	9	8	40	63	50	52	5,5	9,5	5,5	6002ZZ	S 15
FF20	25	20	20	11	9	57	85	70	68	6,6	11,0	6,5	6204ZZ	S 20
FF25	32	25	24	14	10	63	98	80	79	9,0	14,0	8,5	6205ZZ	S 25
FF30	40	30	27	18	9	75	117	95	93	11,0	17,0	11,0	6206ZZ	S 30

(1) housing, (2) bearing, (3) circlip

*depending to the effective spindle-diameter.