2.4.5 Bearing series BK/BF

2.4.5.1 Fixed bearing BK

The corresponding bearing is the bearing series BF (page 116). The correct end machining for the fixed bearing is type E9-xx (page 107).

PREFERRED TYPE
Fast Delivery Time

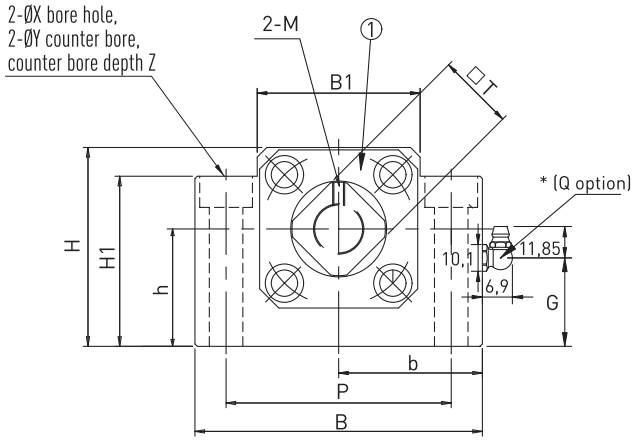

Table 2.36 **Dimensions of the bearing unit**

Article number	Spindle Ø	d	L	L1	L2	L3	B	H	b ±0,02	h ±0,02
BK25	**32**	25	42	12	54	9	106	80	53	48
BK30	**40**	30	45	14	61	9	128	89	64	51
BK40	**50**	40	61	18	76	15	160	110	80	60

Table 2.37 **Dimensions of the bearing unit**

Article number	Spindle Ø	B1	H1	P	C1	C2	X	Y	Z	M	T	G	Q
BK25	**32**	64	70	85	22	10	11	17	11,0	M5	35	39,5	M6
BK30	**40**	76	78	102	23	11	14	20	13,0	M6	40	41,5	M6
BK40	**50**	100	90	130	33	14	18	26	17,5	M8	50	42,5	M6

Table 2.38 **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]
BK25	7205A P0	26300	20500	7000	12000
BK30	7206B P0	33500	27000	10600	7100
BK40	7208B P0	52000	46100	18000	5300

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