

**KBOPUU**  
**KBOPUUG**

**NB**  
NIPPON BEARING Co.

## High load capacity

- Open linear bearing with sold external ring
- For linear guiding
- Use shafts supported at the ends to avoid excessive flexing.
- Integrated seals
- Material:

Housing: Steel 100C6

Balls: Steel 70 HRC +/-2

Raceway: Steel or polyamide



### Option

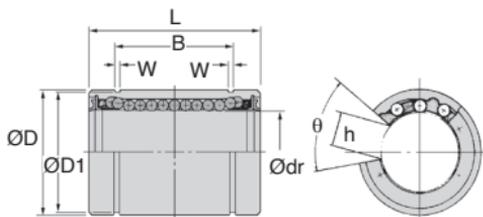
- Stainless steel linear bearing

### Info.

- Should be used with a **FS TN** supported shaft

### Accessories

- See possible combinations (tome 3 p.276)



### DISCOUNTS

Qty	1+	5+	10+	25+
Disc.	List	-6%	-12%	On request

Part number	Ødr	ØD	L	B	W	ØD1	h	θ	Loads		Stock*	Price each 1 to 4
									Dynamic C (N)	Static Co (N)		
<b>With steel raceway</b>												
KB-12OP-UU	12	22 <sup>+0,000/-0,009</sup>	32 <sup>+0,000/-0,008</sup>	22,9 <sup>+0,0/-0,2</sup>	1,30 <sup>+0,0/-0,2</sup>	21,00	7,5	78°	510	784	✓	38,80 €
KB-16OP-UU	16	26 <sup>+0,000/-0,009</sup>	36 <sup>+0,001/-0,009</sup>	24,9 <sup>+0,0/-0,2</sup>	1,30 <sup>+0,0/-0,2</sup>	24,90	10,0	78°	578	892	✓	46,27 €
KB-20OP-UU	20	32 <sup>+0,000/-0,011</sup>	45 <sup>+0,001/-0,009</sup>	31,5 <sup>+0,0/-0,3</sup>	1,60 <sup>+0,0/-0,2</sup>	30,30	10,0	60°	862	1370	✓	55,99 €
KB-25OP-UU	25	40 <sup>+0,000/-0,011</sup>	58 <sup>+0,001/-0,011</sup>	44,1 <sup>+0,0/-0,3</sup>	1,85 <sup>+0,0/-0,3</sup>	37,50	12,5	60°	980	1570	✓	74,50 €
KB-30OP-UU	30	47 <sup>+0,000/-0,011</sup>	68 <sup>+0,001/-0,002</sup>	52,1 <sup>+0,0/-0,3</sup>	1,85 <sup>+0,0/-0,3</sup>	44,50	12,5	50°	1570	2740	✓	97,05 €
KB-40OP-UU	40	62 <sup>+0,000/-0,013</sup>	80 <sup>+0,002/-0,013</sup>	60,6 <sup>+0,0/-0,3</sup>	2,15 <sup>+0,0/-0,3</sup>	59,00	16,8	50°	2160	4020	✓	160,49 €
KB-50OP-UU	50	75 <sup>+0,000/-0,013</sup>	100 <sup>+0,002/-0,013</sup>	77,0 <sup>+0,0/-0,3</sup>	2,65 <sup>+0,0/-0,3</sup>	72,00	21,0	50°	3820	7940	-	On request
KB-60OP-UU	60	90 <sup>+0,000/-0,015</sup>	125 <sup>+0,002/-0,015</sup>	101,7 <sup>+0,0/-0,4</sup>	3,15 <sup>+0,0/-0,4</sup>	86,50	27,2	54°	4700	9800	-	351,68 €
KB-80OP-UU	80	120 <sup>+0,000/-0,015</sup>	165 <sup>+0,004/-0,016</sup>	133,3 <sup>+0,0/-0,4</sup>	4,15 <sup>+0,0/-0,4</sup>	116,00	36,3	54°	7350	16000	-	626,93 €
<b>With polyamide raceway</b>												
KB-12OP-UUG	12	22 <sup>+0,000/-0,009</sup>	32 <sup>+0,000/-0,008</sup>	22,9 <sup>+0,0/-0,2</sup>	1,30 <sup>+0,0/-0,2</sup>	21,00	7,5	78°	510	784	✓	23,79 €
KB-16OP-UUG	16	26 <sup>+0,000/-0,009</sup>	36 <sup>+0,001/-0,009</sup>	24,9 <sup>+0,0/-0,2</sup>	1,30 <sup>+0,0/-0,2</sup>	24,90	10,0	78°	578	892	-	30,09 €
KB-20OP-UUG	20	32 <sup>+0,000/-0,011</sup>	45 <sup>+0,001/-0,009</sup>	31,5 <sup>+0,0/-0,3</sup>	1,60 <sup>+0,0/-0,2</sup>	30,30	10,0	60°	862	1370	✓	38,93 €
KB-25OP-UUG	25	40 <sup>+0,000/-0,011</sup>	58 <sup>+0,001/-0,011</sup>	44,1 <sup>+0,0/-0,3</sup>	1,85 <sup>+0,0/-0,3</sup>	37,50	12,5	60°	980	1570	-	52,76 €
KB-30OP-UUG	30	47 <sup>+0,000/-0,013</sup>	68 <sup>+0,001/-0,002</sup>	52,1 <sup>+0,0/-0,3</sup>	1,85 <sup>+0,0/-0,3</sup>	44,50	12,5	50°	1570	2740	-	71,59 €
KB-40OP-UUG	40	62 <sup>+0,000/-0,013</sup>	80 <sup>+0,002/-0,013</sup>	60,6 <sup>+0,0/-0,3</sup>	2,15 <sup>+0,0/-0,3</sup>	59,00	16,8	50°	2160	4020	-	111,85 €
KB-50OP-UUG	50	75 <sup>+0,000/-0,013</sup>	100 <sup>+0,002/-0,013</sup>	77,0 <sup>+0,0/-0,3</sup>	2,65 <sup>+0,0/-0,3</sup>	72,00	21,0	50°	3820	7940	-	179,76 €
KB-60OP-UUG	60	90 <sup>+0,000/-0,015</sup>	125 <sup>+0,002/-0,015</sup>	101,7 <sup>+0,0/-0,4</sup>	3,15 <sup>+0,0/-0,4</sup>	86,50	27,2	54°	4700	9800	-	237,60 €

\*Depending on availability - Dimensions in mm

## Compensates for any misalignment TKUUOP

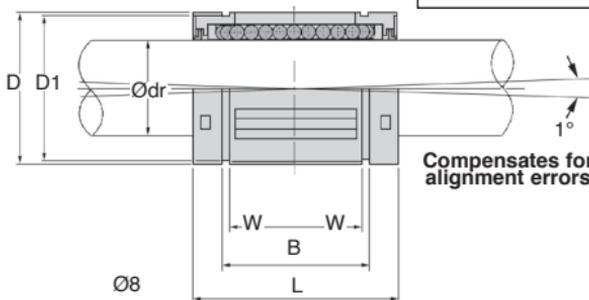
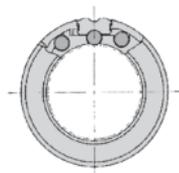
- Open self aligning linear bearing
- For linear guiding
- Integrated seals
- Material:

Housing: Thermoplastic

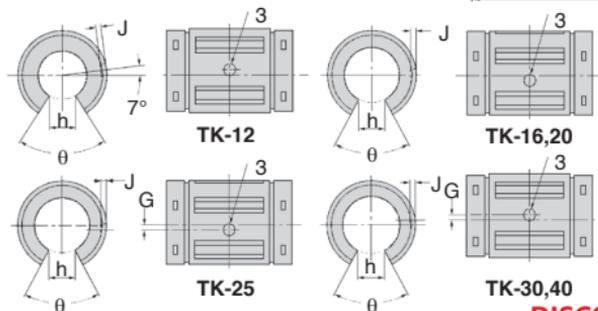
Balls: Steel 70 HRC  $\pm 2$

### Accessories

- See possible combinations (tome 3 p.276)



Compensates for alignment errors



### DISCOUNTS

Qty	1+	5+	10+	25+
Disc.	List	-6%	-12%	On request

Part number	dr	D	L	W	D1	h	J	G	B	$\theta$	Loads		Price each 1 to 4	
											Dyn C(N)	Stat. Co(N)		
TK-12-UUOP	12	22	32	1,30	21,0	6,5	0,7	-	22,9	66°	1020	1290	✓	27,32 €
TK-16-UUOP	16	26	36	1,30	24,9	9,0	0,7	-	24,9	68°	1250	1550	✓	34,17 €
TK-20-UUOP	20	32	45	1,60	30,3	9,0	0,9	-	31,5	55°	2090	2630	✓	44,77 €
TK-25-UUOP	25	40	58	1,85	37,5	11,5	1,4	1,5	44,1	57°	3780	4720	✓	60,30 €
TK-30-UUOP	30	47	68	1,85	44,5	14,0	2,2	2,0	52,1	57°	5470	6810	✓	80,70 €
TK-40-UUOP	40	62	80	2,15	59,0	19,5	2,7	1,5	60,6	56°	6590	8230	✓	125,73 €

\*Depending on availability - Dimensions in mm