

Inner Ring

(Values indicated in microns)

Bore in mm		> 0	>10	>18	>30	>50	>80	>120	>150	>180	>250	>315
		≤ 10	≤ 18	≤ 30	≤ 50	≤ 80	≤ 120	≤ 150	≤ 180	≤ 250	≤ 315	≤ 400
_dmp	ABEC 5	-5	-5	-6	-8	-9	-10	-13	-13	-15	-18	-23
	ABEC 7	-4	-4	-5	-6	-7	-8	-10	-10	-12		
	ABEC 9	-2.5	-2.5	-2.5	-2.5	-4	-5	-7	-7	-8		
K _{ia}	ABEC 5	4	4	4	5	5	6	8	8	10	13	15
	ABEC 7	2.5	2.5	3	4	4	5	6	6	8		
	ABEC 9	1.5	1.5	2.5	2.5	2.5	2.5	2.5	5	5		
S _{ia}	ABEC 5	7	7	8	8	8	9	10	10	13	15	20
	ABEC 7	3	3	4	4	5	5	7	7	8		
	ABEC 9	1.5	1.5	2.5	2.5	2.5	2.5	2.5	5	5		
S _d	ABEC 5	7	7	8	8	8	9	10	10	11	13	15
	ABEC 7	3	3	4	4	5	5	6	6	7		
	ABEC 9	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	5		
°B _s	ABEC 5	5	5	5	5	6	7	8	8	10	13	15
	ABEC 7	2.5	2.5	2.5	3	4	4	5	5	6		
	ABEC 9	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	5		
_B _s	ABEC 5	-40	-80	-120	-120	-150	-200	-250	-250	-300	-350	-400
	ABEC 7	-40	-80	-120	-120	-150	-200	-250	-250	-300		
	ABEC 9	-40	-80	-120	-120	-150	-200	-250	-300	-350		
_B1 _s	ABEC 5	-250	-250	-250	-250	-250	-380	-380	-380	-500	-500	-630
	ABEC 7	-250	-250	-250	-250	-250	-380	-380	-380	-500		-500
	ABEC 9											

Outer Ring

(Values indicated in microns)

OD in mm		> 0	> 6	> 18	> 30	> 50	> 80	> 120	> 150	> 180	> 250	> 315	> 400	> 500
		≤ 6	≤ 18	≤ 30	≤ 50	≤ 80	≤ 120	≤ 150	≤ 180	≤ 250	≤ 315	≤ 400	≤ 500	
_Dmp	ABEC 5	-5	-5	-6	-7	-9	-10	-11	-13	-15	-18	-20	-23	
	ABEC 7	-4	-4	-5	-6	-7	-8	-9	-10	-11	-13	-15		
	ABEC 9	-2.5	-2.5	-4	-4	-4	-5	-5	-7	-8	-8	-10		
K _{oa}	ABEC 5	5	5	6	7	8	10	11	13	15	18	20	23	
	ABEC 7	3	3	4	5	5	6	7	8	10	11	13		
	ABEC 9	1.5	1.5	2.5	2.5	4	5	5	5	7	7	8		
S _{oa}	ABEC 5	8	8	8	8	10	11	13	14	15	18	20	23	
	ABEC 7	5	5	5	5	5	6	7	8	10	10	13		
	ABEC 9	1.5	1.5	2.5	2.5	4	5	5	5	7	7	8		
S _o	ABEC 5	8	8	8	8	8	9	10	10	11	13	13	15	
	ABEC 7	4	4	4	4	4	5	5	5	7	8	10		
	ABEC 9	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	5	7		
°C _s	ABEC 5	5	5	5	5	6	8	8	8	10	11	13	15	
	ABEC 7	2.5	2.5	2.5	2.5	3	4	5	5	7	7	8		
	ABEC 9	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	5	7		
_C _s	ABEC 5	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												
	ABEC 7	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												
	ABEC 9	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												
_C1 _s	ABEC 5	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												
	ABEC 7	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												
	ABEC 9	VALUES IDENTICAL TO THOSE OF THE CORRESPONDING INNER RING OF THE SAME BEARING												

\underline{d}_{mp} = Deviation of the mean bore diameter from the nominal ($\underline{d}_{mp} = \overset{d}{d}_{mp} - d$).

\underline{D}_{mp} = Deviation of the mean outside diameter from the nominal ($\underline{D}_{mp} = \overset{D}{D}_{mp} - d$).

K_{ia}, K_{ea} = Radial runout of assembled bearing inner ring and assembled bearing outer ring, respectively.

S_{ia}, S_{ea} = Side face runout of assembled bearing inner ring and assembled bearing outer ring, respectively.

S_d = Side face runout with reference to bore (of inner ring).

S_D = Outside inclination variation: variation in inclination of outside cylindrical surface to outer ring side face.

$\overset{V}{B}_s, \overset{V}{C}_s$ = Ring width variation: difference between the largest and smallest single widths of inner ring and of outer ring, respectively.

$\overset{-}{B}_s, \overset{-}{C}_s$ = Deviation of single inner ring width or single outer ring width from nominal ($\overset{-}{B}_s = B_s - B$ ecc.)

$\overset{-}{B}1s, \overset{-}{C}1s$ = Deviation of single width of inner ring and outer ring, respectively, of a bearing specially manufactured for paired mounting and universal bearings.
($\overset{-}{B}1s = B_s - B$ ecc.)