



## Schaeffler X-life™ Single-Row Angular Contact Ball Bearings

Schaeffler's X-life single-row angular contact ball bearings offer up to 30% higher dynamic load rating, as much as 50% longer rating life, and up to 10% less friction vs. conventional bearings. The payoff: You can now downsize to a smaller bearing to save space in your application, while maintaining the same load-carrying capacity and operating life as before! Alternatively, apply higher loads, but keep the same bearing size and rating life!

Only from Schaeffler.

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# Perfect for Pump & Compressor Applications: Schaeffler's New "UB" Axial Clearing Class ACBBs!

Schaeffler has expanded its family of FAG-brand angular contact ball bearings – yet again! – with the introduction of the new "UB" axial clearing class. Designed to close the gap between the standard "UA" and "UO" clearing classes, Schaeffler "UB" angular contact ball bearings are ideally suited for use in pumps and compressors.

## AXIAL CLEARANCE\* COMPARISON

Bore code	UA	UB	UO
00	22-30	14-22	0-8
01 to 03	24-32	15-23	0-8
04 to 04	28-36	16-24	0-8
05 to 06	34-42	19-27	0-8
07 to 08	40-48	22-30	0-8
09 to 10	44-52	24-32	0-8
11 to 11	46-54	25-33	0-8
12 to 13	46-58	25-37	0-12
14 to 16	50-62	27-39	0-12
17 to 20	54-66	31-43	0-12
21 to 24	58-70	34-46	0-12
26 to 32	60-72	34-46	0-12
34	70-82	40-52	0-12

\*in microns

## PRODUCT FEATURES

- Lip seals available on both sides
- Superfinished raceway surfaces
- Optimized internal geometry
- Enhanced ball quality
- Manufactured to PN tolerance; P6 or P5 available upon request
- 40° contact angle
- Three available cage designs: polyamide, steel or brass

## CUSTOMER BENEFITS

- Longer bearing operating life
- Greater reliability
- Higher power density
- Smaller design envelopes
- Perfect for low-noise applications
- Lower energy consumption
- Reduced heat generation
- Longer maintenance intervals
- Lower overall cost of ownership

## 72 03-B-XL-2RS-TVP-P5-UB

### SERIES

718  
719  
70  
72  
73  
74

### BORE DIAMETER

00 10 mm  
01 12 mm  
02 15 mm  
03 17 mm  
04-96 Bore Reference x5 (mm)  
/ 500 500 mm

### INTERNAL BEARING DESIGN

Suffix	Series	Contact Angle
none	718	30°
none	719	30°
B	70	40°
B	72	40°
B	73	40°
B	74	40°

### X-LIFE

standard  
XL X-life

### UNIVERSAL DESIGN FOR PAIRED MOUNTING

When paired (unmounted) in an "X" or "O" arrangement:

#### Suffix

UA	Medium axial clearance
UB	Small axial clearance
UO	Zero axial clearance
UL	Light preload
UM	Medium preload
UH	Heavy preload
UA22	Special axial clearance
none	Paired mounting not possible

### PRECISION CLASS

none	Normal (PN)
P6	Better than normal (PN)
P5	Better than P6

### CAGE DESIGN (ball guided)

TVP	Glass fiber reinforced polyamide
MP	Machined brass
JP	Stamped steel

### SEAL

none	open bearing (ungreased)
2RS	double lip seals (greased) with TVP cage

For more information:  
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