

# RBC Applications

## Thin Section Ball Bearings

BEARING TYPE		BORE SIZE IN INCHES																										
Cross Section		1.00	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.25	4.50	4.75	5.00	5.50	6.00	6.50	7.00	7.50	8.00	9.00	10.00	11.00	12.00	14.00	16.00	18.00	20.00	
KAA Series 3/16"	A	▲	▲	▲																								
	C	▲	▲	▲																								
	X	▲	▲	▲																								
**JA Series 1/4"	A																											
	C				√	√	√	√	√	√			√	√	√													
	X				√	√	√	√	√	√				√	√													
KA Series 1/4"	A				▲	▲	▲	▲	▲				▲						√									√
	C				▲	▲	▲	▲	▲	▲		▲	▲	▲	▲	▲		√	√	▲	▲	√	▲	▲				
	X				▲	▲	▲	▲	▲				▲	▲	▲	▲		√	√		▲	√	▲	▲				
**JB Series 5/16"	A																											
	C						√	√					√															
	X							√																				
KB Series 5/16"	A				▲	▲	▲	▲	▲				▲															
	C				▲	▲	▲	▲	▲				▲		▲					▲								
	X				▲	▲	▲	▲	▲				▲		▲					▲								
KC Series 3/8"	A								▲		√		▲		▲			√										
	C								▲	√	▲		▲	√	▲			▲	√			▲	▲	√				
	X								▲	√	▲		▲	√	▲			▲	√			▲	▲	√				
**JU Series 1/2"	A																											
	C										▲	▲	▲	▲	▲	▲	▲	▲	▲	√		▲	▲	√				
	X								▲		▲	▲	▲	▲	▲	▲	▲	▲	▲			▲	▲	√				
KD Series 1/2"	A								▲				▲	▲	▲									▲				
	C								▲				▲	▲	▲	▲			▲	▲	▲		▲					
	X								▲		▲		▲	▲	▲	▲			▲	▲	▲		▲				▲	
KF Series 3/4"	A												√						√	√								
	C								▲				▲	▲	▲	▲	▲	▲	√	▲	▲	▲	▲	▲	▲			
	X								▲				▲	▲	▲	▲	▲	▲	√	▲	▲	▲	▲	▲	▲	▲		
KG Series 1"	A													√					√	√			▲	√	√			√
	C												▲	√	√	▲	√	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
	X												▲	√	√	▲	√	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

LOAD CONDITION						
Bearing Type	Contact	Radial	Axial	Moment	Reversing Axial	Combined Radial-Thrust
A	Angular	Good	Excellent	Do Not Use	Do Not Use	Good
C	Radial	Excellent	Good	Good	Good	Good
X	4-Point	Fair	Good	Excellent	Excellent	Fair

\*\* Sealed bearings    ▲ Bearings in stock    √ Bearings with limited availability

All other bearings check availability



[www.rbcbearings.com](http://www.rbcbearings.com)  
800.356.6584

# RBC Applications

## Innovation. Commitment. Quality.

RBC Bearings has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC offers a full line of standard industrial and aerospace bearings, including:



### Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. **QuadLube**®, **ImpactTuff**®, **SpreadLock**® Seal, **CrossLube**®, **DuraLube**™, **MillTuff**™ bearings, and self-lubricating bearings. Available in inch and metric sizes.



### Ball Bearings

Precision ground, semi-ground, unground. High loads, long life, smooth operation. **Nice**™ ball bearings are offered in caged and full complement configurations.



### Ball Screws

Precision ground, rolled, ball splines. Long life, low wear, high accuracy. **QuickTurn**® Ball Screw Repair Service.



### Thin Section Ball Bearings

Standard cross sections to one inch. Sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections.



### Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented **RBC Roller**® cylindrical roller cam followers, **HexLube**® universal cam followers, airframe track rollers.



### Needle Roller Bearings

**Pitchlign**® caged heavy duty needle roller bearings, inner rings, **TJ TandemRoller**® bearings for long life.



### Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. **Fiberglide**® self-lubricating bearings.



### Airframe Control Bearings

Ball bearing types, self-lubricating types, needle roller track rollers.



### Tapered Roller and Thrust Bearings

**Tyson**® case-hardened and through-hardened tapered roller bearings. RBC tapered thrust bearings. Available in many sizes. Used in Class 8 heavy truck and trailer wheel bearings, gearboxes, and final drive transmissions.



### Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the **Heim**®, **Unibal**®, and **Spherco**® brands. Available in inch and metric sizes.



### Dowel Pins, Loose Needle Rollers, Shafts

**Precision Products** dowel pins, loose needle rollers, and shafts.



### Specials

RBC manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, heavy truck, and other industries.



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