

# Ball Screw and Nut Assemblies

## Part Number Configuration

**HBA - 0007 - R - A - HBN6311 - 10.00 - 3K - A1 - S - S - A - W**

### BALL SCREW CODE

Size	Code	Size	Code
.375 × .125	0012	.750 × .500	0015
.500 × .200	0016	.875 × .200	0008
.500 × .500	0025	1.000 × .250	0022
.631 × .200	0007	1.000 × .500	0023
.631 × .500	0017	1.000 × 1.000	0024
.750 × .200	0014		

### THREAD DIRECTION

- R = Right Hand
- L = Left Hand

### MATERIAL

- A = Alloy Steel
- B = Alloy Black Oxide
- S = Stainless Steel

### BALL NUT PART NUMBER

### OVERALL LENGTH (inches)

0000 = No Nut

**LEFT END:** EZZE MOUNT or End Machining  
Shaft Extension

**RIGHT END:** EZZE MOUNT or End Machining  
Shaft Extension

### LEAD ACCURACY TOLERANCE GRADE

- S = ~.0003 in/ft
- P = ~.0001 in/ft

### BACKLASH

- S = Standard < .004"
- R1 = Reduced Lash < .001"
- R2 = Reduced Lash < .002"
- R3 = Reduced Lash < .003"

### ASSEMBLY

- A = Nut assembled on screw, mounting thread facing left end
- B = Nut assembled on screw, mounting thread facing right end
- U = Nut shipped unassembled from screw on arbor

### WIPER / FLANGE

- W = Wiper
- F = Flange

### BEARING SUPPORTS AND END MACHINING

- Single bearing supports are used with Type 1N end machining.
- Double bearing supports are used with Type 3K, 3L, or 3N end machining.
- For annealed ends, specify length of annealed end in increments of 1.00"

### END MACHINING

(see pages 50-51)

1	Type 1
2	Type 2
3	Type 3
4	Type 4
A	Annealed
XX	Custom
00	No End Machining

### SHAFT EXTENSION

(see pages 50-51)

K	Keyway
L	No Keyway
N	No Shaft

### EZZE-MOUNT

	Double Bearing Support		Single Bearing Support		Motor Mount
	cover plate facing thread	cover plate away from thread	locating boss facing thread	locating boss away from thread	
Universal				n/a	
Flanged					