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
.375 × .125	0012
.500 × .200	0016
.500 × .500	0022
.631 × .200	0007
.631 × .500	0017
.750 × .200	0014

Size	Code
.750 × .500	0015
.875 × .200	0008
1.000 × .250	0023
1.000 × .500	0025
1.000 × 1.000	0026

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)

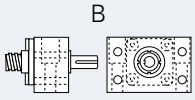
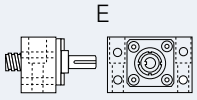
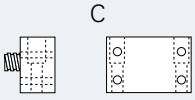
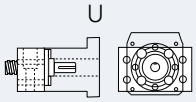
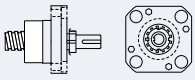
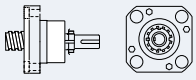
1	Type 1
2	Type 2
3	Type 3
4	Type 4
A	Annealed
XX	Custom
00	No End Machining

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	B 	E 	C 	n/a	U 
Flanged	F 	D 	G 	H 	Y 