

ECS-16020 - RA / EK / 4N / 1063 / ECN-16020-RBU / S

METRIC BALL SCREW AND NUT TECHNICAL DATA

BALL SCREW

Carry Part#	Dia. x Lead	Thread Form Codes	Carry Part#	Dia. x Lead	Part#	Dia. x Lead
ECS-06010	= 6 x 1	ECS-14040	= 14 x 4	MRT 16x5	= 16 x 5	
ECS-08010	= 8 x 1	ECS-16020	= 16 x 2	MRT 20x5	= 20 x 5	
ECS-08015	= 8 x 1.5	ECS-16050	= 16 x 5	MRT 25x5	= 25 x 5	
ECS-08020	= 8 x 2	ECS-16100	= 16 x 10	MRT 40x10	= 40 x 10	
ECS-08025	= 8 x 2.5	ECS-16500	= 16 x 50	MRT 50x10	= 50 x 10	
ECS-08030	= 8 x 3	ECS-20050	= 20 x 5	MRT 63x12	= 63 x 12	
ECS-10020	= 10 x 2	ECS-20010	= 20 x 10	PMT 16x5	= 16 x 5	
ECS-10030	= 10 x 3	ECS-25050	= 25 x 5	PMT 20x5	= 20 x 5	
ECS-12020	= 12 x 2	ECS-25100	= 25 x 10	PMT 25x5	= 25 x 5	
ECS-12040	= 12 x 4	ECS-25250	= 25 x 25	PMT 40x10	= 40 x 10	
ECS-12050	= 12 x 5	ECS-32050	= 32 x 5	PMT 50x10	= 50 x 10	
ECS-12120	= 12.7 x 12.7			PMT 63x12	= 63 x 12	

MATERIAL

THREAD	RA	MATERIAL
R = Right Hand		A = Alloy Steel - Rolled
L = Left Hand		B = Alloy Steel - Precision Rolled
		S = Stainless Steel - Rolled

NOTE: Not all materials/threads are available for all sizes.

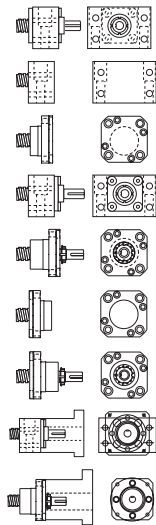
FIRST END CONFIGURATION

EZZE-MOUNT™ / End Machining

(see page 214 & 212)

- 1 = Type 1
- 2 = Type 2
- 3 = Type 3
- 4 = Type 4

- B** = Universal Double Bearing Support End Cap Facing Screw Thread
- C** = Universal Single Bearing Support
- D** = Flanged Single Bearing Support Flange Facing Screw Thread
- E** = Universal Double Bearing Support End Cap Facing Away From Screw Thread
- F** = Flanged Double Bearing Support Flange Facing Screw Thread
- G** = Flanged Single Bearing Support Flange Facing Away From Screw Thread
- H** = Flanged Double Bearing Support Flange Facing Away From Screw Thread
- U** = Universal Double Bearing Support with Motor Mount (see page 217)
- Y** = Flanged Double Bearing Support with Motor Mount (see page 218)



EK EK = Universal Double Bearing Support, with Keyway

Shaft Extension
(see page 212)

- K** = Shaft Extension with Keyway
- L** = Shaft Extension without Keyway
- N** = No Shaft Extension

NOTE: Both Ends must be specified.
Single Bearing Supports are used in conjunction with Type 1N end machining.
Double Bearing Supports are used in conjunction with Type 3K, 3L, or 3N end machining.

SECOND END CONFIGURATION

Refer to the First End Configuration section above.

NOTE: Both Ends must be specified.

OVER - ALL - LENGTH (OAL)

Length in mm.

TRAVEL NUT

CARRY NUT

ECN - 16020 - R B U

- Nut Thread Code
- MATERIAL**
- R = Right Hand Alloy
- L = Left Hand Alloy
- S = Right Hand Stainless Steel
- M = Left Hand Stainless Steel

- N = No Wiper
- U = With Wiper

- NUT STYLE**
- Z = Type Z Nut
- H = 16 x 50 Nut

- A** = Type FB Round Flange
- B** = Type FB Standard Flange
- C** = Type FB "D" Flange

- K** = Type FB Round Flange High Load
- J** = Type FB Standard Flange High Load
- L** = Type FB "D" Flange High Load

- G** = Type FG
- D** = Type FG High Load

MRT or PMT NUT

Use standard part number found in the Technical Data Section for Metric Ball Screws.
Example:
MBN 10206 = 16 x 5 MRT Nut

Nut will be installed with flange or threaded end toward first end designation. 00000 = No Nut

MODIFIER LIST

F (Optional for MRT and PMT Screws Only)

- F = Round Flange

S or M Required

- S = Standard, no additional description required
- M = Modified, additional description required