



Twin-lead ball screws offer dual opposing motion using a single drive system. These one-piece high performance ball screws are made from high alloy steel that is black oxidized for protection. Twin-lead ball screw assemblies can be assembled with Nook PowerTrac™ ball nuts, flanges and EZZE-MOUNT™ (see page 214-218) bearing supports to form cost effective systems.

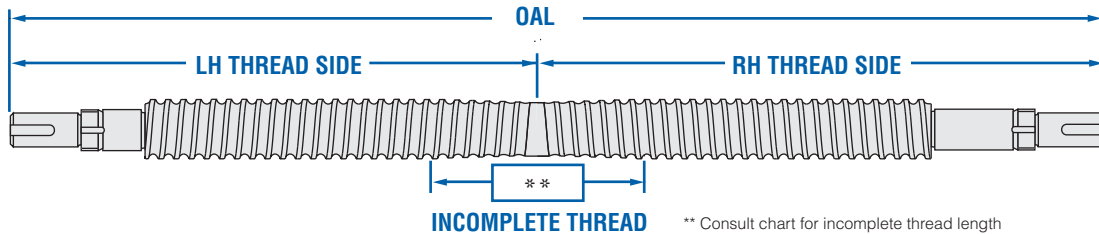


Twin-lead ball screws can be used in molding machines, packaging equipment, food processing machinery, robotics, material handling equipment, tire manufacturing and assembly applications.

- Lead accuracy of ± 0.004 "/foot is standard
- For a shorter unthreaded center section, contact Nook Industries customer service. 800-321-7800

Twin-Lead screws are stocked for quick delivery without machined ends in the sizes in the left chart below. To order a twin-lead cut to a custom length and/or with machined ends, select a size from the Twin-Lead Chart, determine OAL, LH and RH thread length, nut, flange and, if required, EZZE-MOUNT™ bearing support.

Consult the Twin-Lead Reference Number System on the next page to complete your part number.



** Consult chart for incomplete thread length

STOCKED SIZES WITHOUT END MACHINING

SCREW SIZE DIA-LEAD	ROOT DIA. (min)	MAX OVERALL LENGTH	MAX USEABLE LH & RH THREAD	INCOMPLETE OVERLAPPING THREAD LENGTH	PAGE
0375-0125	0.300	36	16.50	2.50	99
0631-0200	0.500	72	34.25	3.00	102
1000-0250	0.820	96	46.25	3.00	113
1150-0200	1.015	108	52.50	3.00	118
1250-0200	1.115	108	52.50	3.00	121
1500-0250	1.320	108	52.25	3.50	126
1500-1000	1.140	192	94.00	4.00	131

SIZES AVAILABLE ON ORDER

SCREW SIZE DIA-LEAD	ROOT DIA. (min)	MAX OVERALL LENGTH	MAX USEABLE LH & RH THREAD	INCOMPLETE OVERLAPPING THREAD LENGTH	PAGE
2000-0200†	1.849	140	69.00	2.00	134
2250-0500	1.850	192	93.50	5.00	135
2500-0250	2.320	192	94.00	4.00	138
3000-0660	2.480	192	93.50	5.00	140

Measurements in inches † SGT - Ground Screw Only

1000-0250 SRT TA / EK / 4N / 33.50 / 16.75 / 16.75 / SBN7535A / SBN7508A / FS

TWIN-LEAD BALL SCREW

Thread Form Codes

Part#	Dia. - Lead	Part#	Dia. - Lead
0375-0125	= 0.375-0.125	1500-1000	= 1.500-1.000
0631-0200	= 0.631-0.200	2000-0200	= 2.000-0.200
1000-0250	= 1.000-0.250	2250-0500	= 2.250-0.500
1150-0200	= 1.150-0.200	2500-0250	= 2.500-0.250
1250-0200	= 1.250-0.200	3000-0660	= 3.000-0.660
1500-0250	= 1.500-0.250		

PRECISION

SRT = Standard Rolled Thread ±0.004"/ft.
SGT = Precision Ground Thread ±0.0005"/ft.

NOTE: Not all precisions are available for all sizes.

MATERIAL

TA = Twin-Lead Alloy
TS = Twin-Lead Stainless Steel

NOTE: Not all materials are available for all sizes.

FIRST END CONFIGURATION

EZZE-MOUNT™ / End Machining **EK**

(see page 214 & 212)

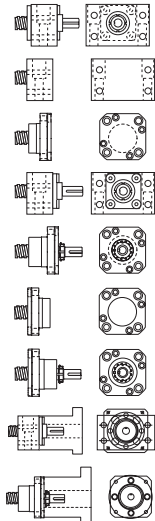
- 1 = Type 1 3 = Type 3
- 2 = Type 2 4 = Type 4

EK = Universal Double Bearing Support, with Keyway

Shaft Extension
(see page 188)

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

- 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)



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.

00 = No End Machining (Screw will be cut to desired length).
XX = Custom Machining (Print or specified data must be provided).

SECOND END CONFIGURATION

Refer to the First End Configuration section above.

NOTE: Both Ends must be specified.

OVER - ALL - LENGTH (OAL)

Length in inches, 2 place decimal

LEFT HAND THREAD

Length in inches, 2 place decimal **NOTE:** See figure on page 148

RIGHT HAND THREAD

Length in inches, 2 place decimal **NOTE:** See figure on page 148

LEFT HAND BALL NUT

000000 = No Nut

RIGHT HAND BALL NUT

000000 = No Nut

NOTE: To Select the Nut Direction After Nut Part # Add

A = Nut Thread or Flange installed towards center of screw

B = Nut Thread or Flange installed towards end of screw

MODIFIER LIST

F and/or W Optional

F = Round Flange W = Wiper

S or M Required

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