



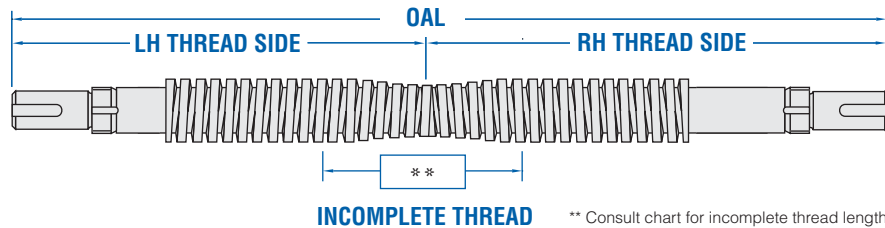
Twin-lead acme screws offer dual opposing motion using a single drive system. These one-piece high performance acme screws are made from high alloy steel that is black oxidized for protection. Twin-lead acme screw assemblies can be assembled with Nook PowerAc™ acme nuts, flanges and EZZE-MOUNT™ (see page 212-213) bearing supports to form cost effective systems. Twin-lead acme screws can be used in molding machines, packaging equipment, food processing machinery, robotics, material handling equipment, tire manufacturing and assembly applications.



Twin-Lead screws are stocked for immediate delivery without machined ends in the sizes and are highlighted in the 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.

- Lead accuracy of 0.004"/foot
- For 0.002"/foot lead accuracy contact Nook Industries customer service. 800-321-7800



** Consult chart for incomplete thread length

Measurements in inches Stock Sizes highlighted in BLUE

SCREW SIZE DIA-LEAD	ROOT DIA. (min)	MAX OVERALL LENGTH	MAX USEABLE LH & RH THREAD	INCOMPLETE OVERLAPPING THREAD LENGTH	PAGE
1/4 - 16	.162	36	17.25	1.50	18
3/8 - 6	.263	36	17.00	2.00	21
3/8 - 12	.263	36	17.00	1.50	21
1/2 - 10	.359	36	17.00	2.00	23
5/8 - 2 ² / ₃	.457	36	16.75	2.50	24
5/8 - 5	.377	36	16.75	2.50	24
5/8 - 8	.457	36	16.50	2.00	24
3/4 - 3	.537	72	34.50	3.00	25
3/4 - 5	.502	72	34.50	3.00	25
3/4 - 6	.537	72	34.50	3.00	25
3/4 - 10	.608	72	34.50	2.50	25
7/8 - 6	.661	72	34.50	3.00	26
1 - 1	.906	72	34.50	3.00	27
1 - 2	.698	72	34.25	3.50	27
1 - 4	.698	72	34.25	3.50	27
1 - 5	.750	72	34.25	3.50	27
1 - 6	.786	72	34.50	3.00	27
1 - 10	.857	72	34.50	2.50	27

SCREW SIZE DIA-LEAD	ROOT DIA. (min)	MAX OVERALL LENGTH	MAX USEABLE LH & RH THREAD	INCOMPLETE OVERLAPPING THREAD LENGTH	PAGE
1 1/8 - 5	.875	72	34.25	3.50	28
1 1/4 - 4	.947	144	70.25	3.50	29
1 1/4 - 5	.999	144	70.25	3.50	29
1 1/2 - 2	1.196	144	70.25	3.50	30
1 1/2 - 2 ² / ₃	1.066	144	70.00	4.00	30
1 1/2 - 4	1.196	144	70.00	3.50	30
1 1/2 - 5	1.249	144	70.25	3.50	30
1 1/2 - 10	1.355	144	70.50	2.50	30
1 3/4 - 4	1.427	144	70.00	4.00	31
2 - 2	1.410	144	69.50	6.00	32
2 - 4	1.694	144	70.00	4.00	32
2 - 5	1.747	144	70.00	3.50	32
2 1/4 - 2	1.684	144	69.00	6.00	33
2 1/4 - 4	1.944	144	70.00	4.00	33
2 1/2 - 2	1.908	144	69.00	6.00	34
2 1/2 - 3	2.106	144	69.00	4.50	34
2 1/2 - 4	2.193	144	70.00	4.00	34
3 - 2	2.410	144	69.00	6.00	35

INCH TWIN-LEAD ACME SCREW ASSEMBLIES TECHNICAL DATA

105 - TA / EK / 4N / 33.50 / 16.75 / 16.75 / 80105A / 20105A / FS

TWIN-LEAD ACME SCREW

Thread Form Codes

CODE	Dia. - Lead	CODE	Dia. - Lead	CODE	Dia. - Lead	CODE	Dia. - Lead
026	= 1/4"-16*	086	= 7/8"-6	153	= 1-1/2"-2 2/3	253	= 2-1/2"-3
032	= 3/8"-12*	112	= 1"-2	154	= 1-1/2"-4*	254	= 2-1/2"-4
036	= 3/8"-6	104	= 1"-4	155	= 1-1/2"-5	302	= 3"-2
050	= 1/2"-10	105	= 1"-5*	150	= 1-1/2"-10		
063	= 5/8"-2 2/3	106	= 1"-6	174	= 1-3/4"-4		
065	= 5/8"-5	110	= 1"-10*	202	= 2"-2		
068	= 5/8"-8*	111	= 1"-1	204	= 2"-4*		
073	= 3/4"-3	115	= 1-1/8"-5	205	= 2"-5		
075	= 3/4"-5*	124	= 1-1/4"-4	222	= 2-1/4"-2		
076	= 3/4"-6	125	= 1-1/4"-5*	224	= 2-1/4"-4		
070	= 3/4"-10	152	= 1-1/2"-2	252	= 2-1/2"-2		

* These twin-lead screws are stocked without end machining

MATERIAL

T A	MATERIAL	T	U
T	= Twin-Lead	A	= Alloy Steel - Rolled
		B	= Alloy Steel - Milled
		C	= Alloy Steel - Ground
		S	= Stainless Steel - Rolled
		T	= Stainless Steel - Milled
		U	= Stainless Steel - Ground

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

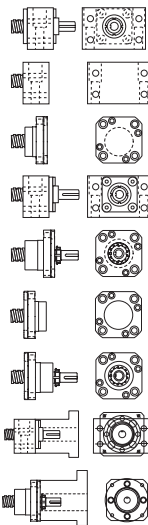
FIRST END CONFIGURATION

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 inches, 2 place decimal

LEFT HAND THREAD

Length in inches, 2 place decimal. **NOTE:** See figure on page 44

RIGHT HAND THREAD

Length in inches, 2 place decimal. **NOTE:** See figure on page 44

LEFT HAND ACME NUT

000000 = No Nut

RIGHT HAND ACME NUT

000000 = No Nut

MODIFIER LIST

S or M Required

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

F Optional

F = Round Flange

The specifications and data in this publication are believed to be accurate and reliable. However, it is the responsibility of the product user to determine the suitability of Nook Industries products for a specific application. While defective products will be replaced without charge if promptly returned, no liability is assumed beyond such replacement.