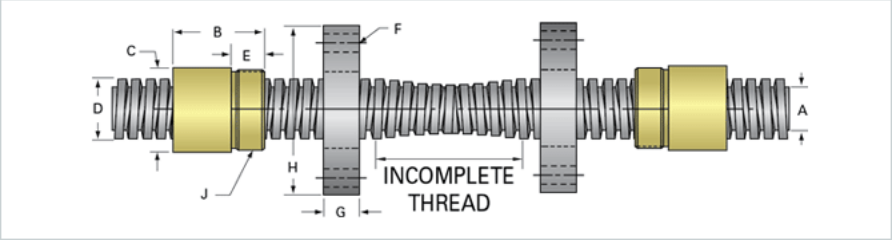
Product Specification Sheet

PowerAC 1"-5 TA w/Bronze Nut

Call 800-321-7800 or visit us online at www.nookindustries.com to configure and order your PowerAC 1"-5 TA w/Bronze Nut today!

2D/3D CAD ONLINE



Rolled Inch Twin-Lead Acme Screw	
Product Info	
Screw Code	105 TA
Screw Direction	RH/LH
Screw Material	4140 Series
Details	
Lead [in]	0.200
Starts	1
Pitch [in]	0.200
Turns Per Inch	5
Threads per Inch	5
Thread Code	105
Form	2C
End Code for Types 1,2,3,5 [* Journals may show tracings of the thread]	17
End Code for Type 4 [* Journals may show tracings of the thread]	10
Dimensions	
A - Root Diameter Minimum [in]	0.750
D - Nominal Rod Diameter [in]	1.000
Incomplete Overlapping Thread Length [in]	2.50
Maximum Overall Length [in]	72
Maximum Useable LH & RH Thread [in]	34.75
Weight	
Weight Per Foot [lb]	2.16
Part Numbers	
36" Part Number	TL1-5RS 36
72" Part Number	TL1-5RS 72
144" Part Number	
Performance Specifications	
Lead Accuracy +/- [in/in]	0.0003
Inch Acme Nut with Optional Flange	
Product Info	
Part Number	80105
Thread Direction	LH
Type	Bronze
Details	
Lead [in]	0.200
Starts	1
Pitch [in]	0.200
Turns Per Inch	5
Lash (Maximum Axial) [in]	0.009
Nominal Rod Diameter [in]	1.000
Threads per Inch	5
Thread Code	105
Form	2C
Dimensions	
B [in]	1.50
C [in]	1.50
E [in]	0.50
F (n) Dia. [in]	(4) .266
F BCD [in]	2.260
G [in]	0.52
H [in]	2.76
J [in]	1.375-16
Forces and Torques	
Torque to Raise 1 lb. [in-lb]	0.094
Flange Part Numbers	
Flange No-Lash Part Number	73275
Flange Part Number	FLG8281
Weight	
Flange Weight [lb]	0.85

Nut Weight [lb]	0.50
Performance Specifications	
Efficiency [%]	34
Lead Accuracy +/- [in/in]	0.0003
Dynamic Load Capacity [lb]	5000
Static Load Capacity [lb]	16000
Inch Acme Nut with Optional Flange	
Product Info	
Part Number	20105
Thread Direction	RH
Type	Bronze
Details	
Lead [in]	0.200
Starts	1
Pitch [in]	0.200
Turns Per Inch	5
Lash (Maximum Axial) [in]	0.009
Nominal Rod Diameter [in]	1.000
Threads per Inch	5
Thread Code	105
Form	2C
Dimensions	
B [in]	1.50
C [in]	1.50
E [in]	0.50
F (n) Dia. [in]	(4) .266
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H [in]	2.76
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Forces and Torques	
Torque to Raise 1 lb. [in-lb]	0.094
Flange Part Numbers	
Flange No-Lash Part Number	73275
Flange Part Number	FLG8281
Weight	
Flange Weight [lb]	0.85
Nut Weight [lb]	0.50
Performance Specifications	
Efficiency [%]	34
Lead Accuracy +/- [in/in]	0.0003
Dynamic Load Capacity [lb]	5000
Static Load Capacity [lb]	16000