

PowerAC 2 1/2"-3 RA w/Bronze Nut

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Rolled Inch Acme Screw

(Screw)Product Info

Screw Code	253-RA
Thread Direction	RH
Screw Material	4140 Series

(Screw)Details

Lead [in]	0.333
Starts	1
Pitch [in]	0.333
Turns Per Inch	3
Threads per Inch	3
Thread Code	253
Form	2C
End Code for Types 1,2,3,5 [* Journals may show tracings of the thread]	50
End Code for Type 4 [* Journals may show tracings of the thread]	32

(Screw)Dimensions

A - Root Diameter Minimum [in]	2.106
D - Nominal Rod Diameter [in]	2.500

(Screw)Part Numbers

3 ft. Part Number	11253
6 ft. Part Number	12253
12 ft. Part Number	13253
20 ft. Part Number	

(Screw)Performance Specifications

Lead Accuracy +/- [in/in]	0.0003
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(Screw)Weight

Screw Weight [lb./ft.]	14.38
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Inch Acme Nut with Optional Flange

(Nut)Product Info

Part Number	20253
Thread Direction	RH
Type	Bronze

(Nut)Details

Lead [in]	0.333
Starts	1
Pitch [in]	0.333
Turns Per Inch	3
Lash (Maximum Axial) [in]	0.013
Nominal Rod Diameter [in]	2.500
Threads per Inch	3
Thread Code	253
Form	2C

(Nut)Dimensions

B [in]	4.25
C [in]	3.38
E [in]	1.56
F (n) Dia. [in]	(6) .656
F BCD [in]	4.380
G [in]	1.58
H [in]	5.38
J [in]	3.137-12

(Nut)Forces and Torques

Torque to Raise 1 lb. [in-lb]	0.212
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(Nut)Flange Part Numbers

Flange No-Lash Part Number	73540
Flange Part Number	FLG7574

(Nut)Weight

Flange Weight [lb]	9.88
Nut Weight [lb]	5.91

(Nut)Performance Specifications

Efficiency [%]	25
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Lead Accuracy +/- [in/in]	0.0003
Dynamic Load Capacity [lb]	31250
Static Load Capacity [lb]	100000