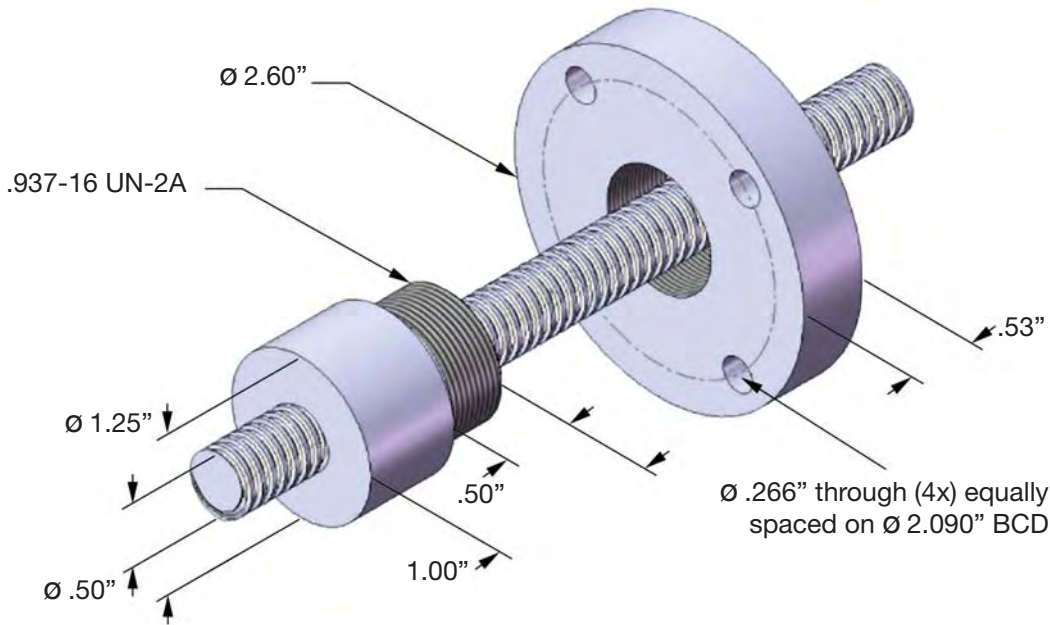


1/2" (.500") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

Screw Journal Ends - Page 48

End Blocks - Page 50

Motor Flanges - Page 54

Gearmotors - Page 60

Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
050ASA010R	.50	.100	.100	1	.359	Centralizing RH	Steel	0.009	Yes	Yes	-
050ASA020R	.50	.200	.200	1	.362	Centralizing RH	Steel	0.011	Yes	Yes	-
050ASA025R	.50	.250	.250	1	.381	Centralizing RH	Steel	0.004	Yes	Yes	-
050ASA050R	.50	.500	.250	2	.377	Centralizing RH	Steel	0.004	Yes	Yes	-
Acme Nut	*Static Load	*Dynamic Load	*Max. Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	O.A. Nut Length	O.A. Nut Diameter
050ANB010	7,589	2,282	172.50	10	35%	0.046	Bronze	.937-16 UN-2A	.50	1.00	1.25
050ANB020	6,936	1,219	345.00	5	50%	0.063	Bronze	.937-16 UN-2A	.50	1.00	1.25
050ANB025	7,054	908	431.25	4	56%	0.071	Bronze	.937-16 UN-2A	.50	1.00	1.25
050ANB050	6,734	908	862.50	2	70%	0.114	Bronze	.937-16 UN-2A	.50	1.00	1.25
050ANP025	665	665	431.25	4	67%	0.059	Plastic	.937-16 UN-2A	.50	1.00	1.25
050ANP050	665	665	862.50	2	79%	0.101	Plastic	.937-16 UN-2A	.50	1.00	1.25
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL0937	2.60	2.090	.266	4	.53	Black Oxide	Steel	.937-16 UN-2B			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

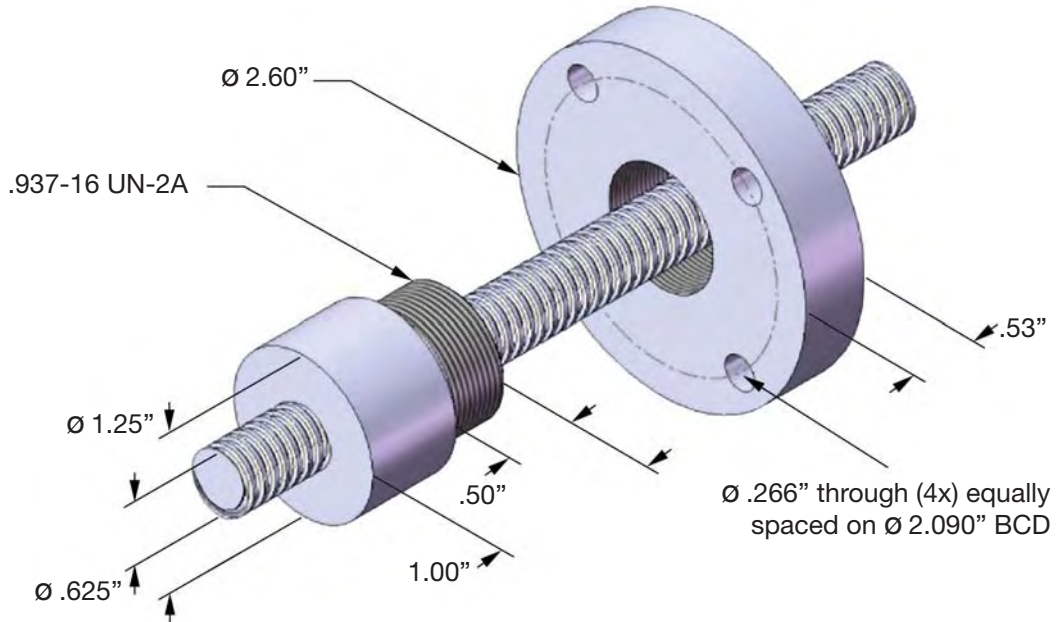
In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

Acme Screws & Nuts Specifications

5/8" (.625") Acme Screws & Nuts

Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
063ASA010R	.625	.100	.100	1	0.484	Centralizing RH	Steel	0.009	Yes	Yes	-
063ASA013R	.625	.125	.125	1	0.470	Centralizing RH	Steel	0.010	Yes	Yes	-
063ASA020R	.625	.200	.200	1	0.487	Centralizing RH	Steel	0.011	Yes	Yes	-
063ASA025R	.625	.250	.250	1	0.506	Centralizing RH	Steel	0.004	Yes	Yes	-
063ASA050R	.625	.500	.250	2	0.506	Centralizing RH	Steel	0.006	Yes	Yes	-
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
063ANB010	9,487	2,897	172.50	10	29%	0.054	Bronze	.937-16 UN-2A	.50	1.00	1.25
063ANB013	9,553	2,836	215.63	8	34%	0.058	Bronze	.937-16 UN-2A	.50	1.00	1.25
063ANB020	8,671	1,544	345.00	5	45%	0.071	Bronze	.937-16 UN-2A	.50	1.00	1.25
063ANB025	8,786	1,137	431.25	4	51%	0.078	Bronze	.937-16 UN-2A	.50	1.00	1.25
063ANB050	8,296	1,163	862.50	2	65%	0.122	Bronze	.937-16 UN-2A	.50	1.00	1.25
063ANP025	828	828	431.25	4	62%	0.064	Plastic	.937-16 UN-2A	.50	1.00	1.25
063ANP050	808	808	862.50	2	75%	0.106	Plastic	.937-16 UN-2A	.50	1.00	1.25
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL0937	2.60	2.090	.266	4	.53	Black Oxide	Steel	.937-16 UN-2B			

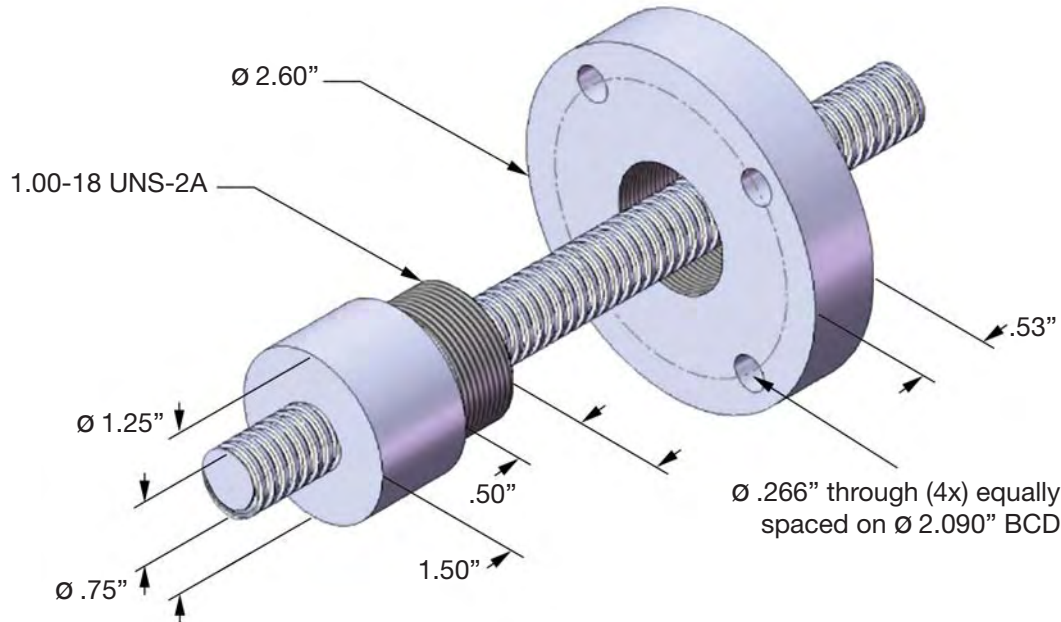
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

3/4" (.750") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	60"	72"
075ASA010	.75	.100	.100	1	0.608	Centralizing RH	Steel	0.010	Yes	Yes	-
075ASA020R	.75	.200	.200	1	0.517	Centralizing RH	Steel	0.009	Yes	Yes	Yes
075ASA025	.75	.250	.250	1	0.450	Centralizing RH	Steel	0.012	Yes	Yes	-
075ASA050	.75	.500	.250	2	0.450	Centralizing RH	Steel	0.012	Yes	Yes	-
075ASA100R	.75	1.00	.250	4	0.450	Centralizing RH	Steel	0.012	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
075ANB010	17,005	5,275	172.50	10	25%	0.062	Bronze	1.00-18 UNS-2A	.50	1.50	1.25
075ANB020	17,410	4,935	345.00	5	42%	0.076	Bronze	1.00-18 UNS-2A	.50	1.50	1.25
075ANB025	17,521	4,747	431.25	4	48%	0.083	Bronze	1.00-18 UNS-2A	.50	1.50	1.25
075ANB050	15,919	4,776	862.50	2	63%	0.125	Bronze	1.00-18 UNS-2A	.50	1.50	1.25
075ANB100	15,155	4,798	1725.00	1	74%	0.215	Bronze	1.00-18 UNS-2A	.50	1.50	1.25
075ANP025	1,652	1,652	431.25	4	59%	0.067	Plastic	1.00-18 UNS-2A	.50	1.50	1.25
075ANP050	1,640	1,501	862.50	2	73%	0.109	Plastic	1.00-18 UNS-2A	.50	1.50	1.25
075ANP100	1,632	1,632	1725.00	1	82%	0.194	Plastic	1.00-18 UNS-2A	.50	1.50	1.25
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL1000	2.60	2.090	.266	4	.53	Black Oxide	Steel	1.00-18 UNS-2B			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

Acme Screws & Nuts Specifications

1" (1.00") Acme Screws & Nuts

Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

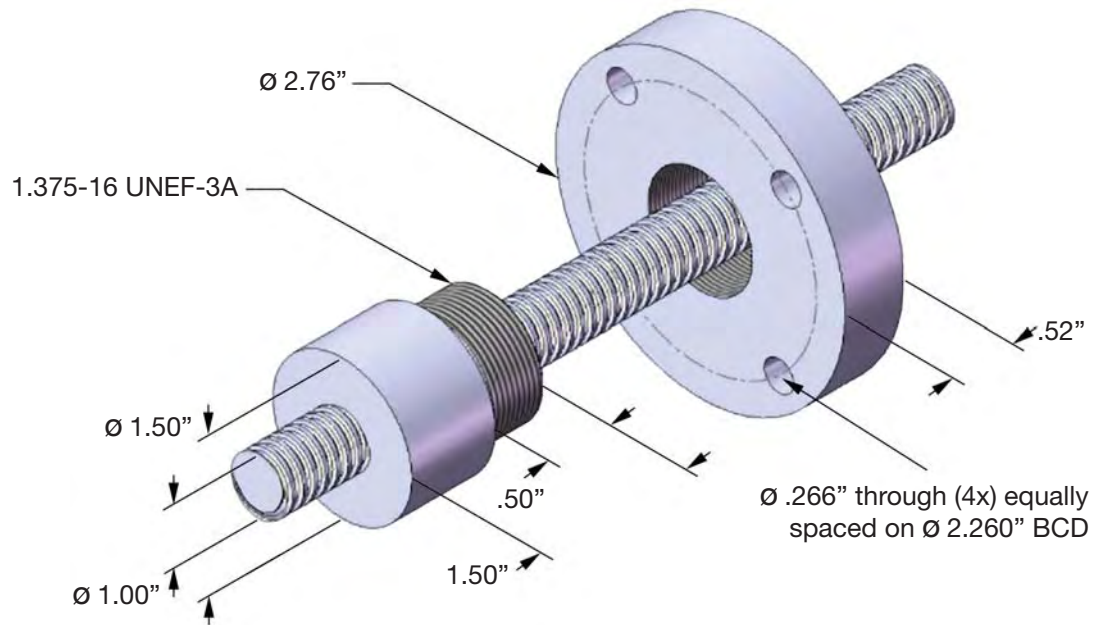
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Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
100ASA010R	1.00	.100	.100	1	0.857	Centralizing RH	Steel	0.010	Yes	Yes	Yes
100ASA020R	1.00	.200	.200	1	0.751	Centralizing RH	Steel	0.012	Yes	Yes	Yes
100ASA025R	1.00	.250	.250	1	0.715	Centralizing RH	Steel	0.007	Yes	Yes	Yes
100ASA050R	1.00	.500	.250	2	0.715	Centralizing RH	Steel	0.009	Yes	Yes	Yes
100ASA100R	1.00	1.00	.250	4	0.715	Centralizing RH	Steel	0.009	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
100ANB010	22,676	7,119	172.50	10	20%	0.079	Bronze	1.375-16 UN-3A	.50	1.50	1.50
100ANB020	23,216	6,779	345.00	5	35%	0.092	Bronze	1.375-16 UN-3A	.50	1.50	1.50
100ANB025	23,755	7,374	431.25	4	41%	0.098	Bronze	1.375-16 UN-3A	.50	1.50	1.50
100ANB050	21,423	7,407	862.50	2	57%	0.140	Bronze	1.375-16 UN-3A	.50	1.50	1.50
100ANB100	20,297	7,440	1725.00	1	70%	0.227	Bronze	1.375-16 UN-3A	.50	1.50	1.50
100ANP025	2,239	2,239	431.25	4	52%	0.077	Plastic	1.375-16 UN-3A	.50	1.50	1.50
100ANP050	2,224	2,019	862.50	2	67%	0.118	Plastic	1.375-16 UN-3A	.50	1.50	1.50
100ANP100	2,209	2,209	1725.00	1	79%	0.202	Plastic	1.375-16 UN-3A	.50	1.50	1.50
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL1375	2.76	2.260	.266	4	.52	Black Oxide	Steel	1.375-16 UN-3B			

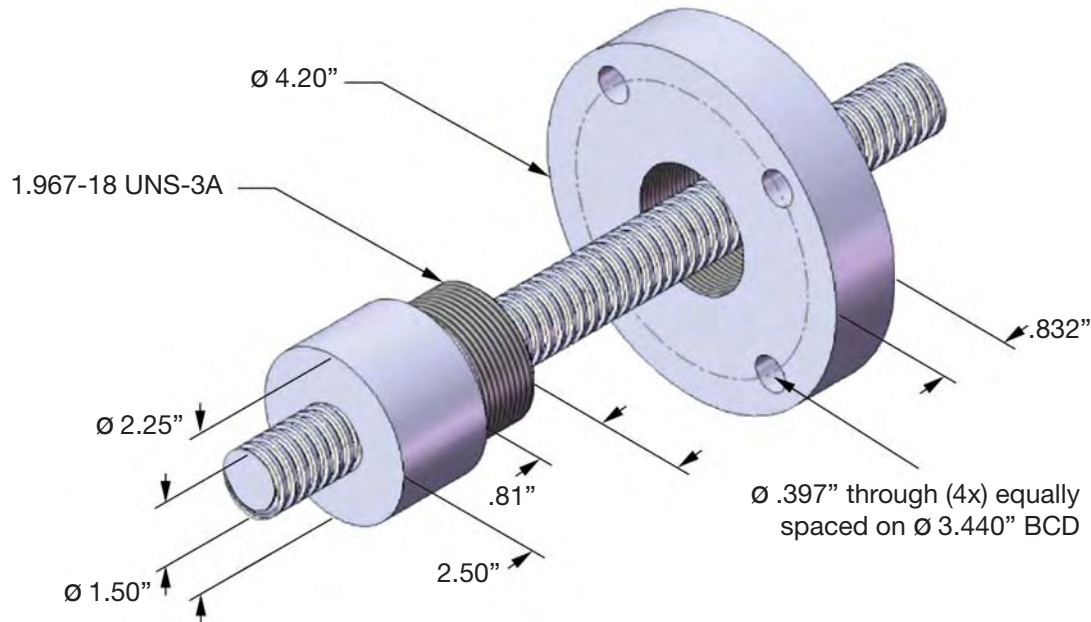
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

1 1/2" (1.50") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
150ASA010R	1.50	.100	.100	1	1.355	Centralizing RH	Steel	0.011	Yes	Yes	Yes
150ASA025R	1.50	.250	.250	1	1.215	Centralizing RH	Steel	0.007	Yes	Yes	Yes
150ASA038R	1.50	.375	.375	1	1.053	Centralizing RH	Steel	0.016	Yes	Yes	Yes
150ASA050R	1.50	.500	.250	2	1.196	Centralizing RH	Steel	0.014	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
150ANB010	56,206	18,037	172.50	10	14%	0.111	Bronze	1.967-18 UNF-3A	.81	2.50	2.25
150ANB025	59,393	18,992	431.25	5	31%	0.130	Bronze	1.967-18 UNF-3A	.81	2.50	2.25
150ANB038	53,749	20,180	646.88	2.66	39%	0.153	Bronze	1.967-18 UNF-3A	.81	2.50	2.25
150ANB050	52,926	17,197	862.50	2	46%	0.173	Bronze	1.967-18 UNF-3A	.81	2.50	2.25
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL1967	4.20	3.440	.397	4	.832	Black Oxide	Steel	1.967-18 UNF-3B			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

Acme Screws & Nuts Specifications

2" (2.00") Acme Screws & Nuts

Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

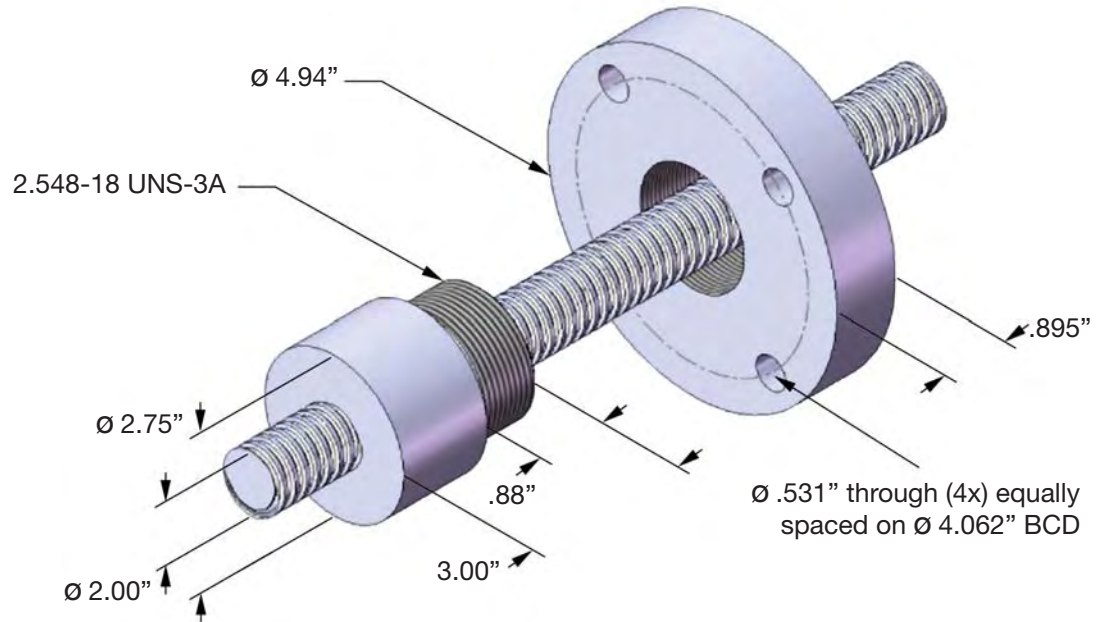
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Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
200ASA025	2.00	.250	.250	1	1.713	Centralizing RH	Steel	0.008	Yes	Yes	Yes
200ASA050R	2.00	.500	.500	1	1.435	Centralizing RH	Steel	0.019	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
200ANB025	94,877	31,034	431.25	4	24%	0.162	Bronze	2.548-18 UNF-3A	.88	3.00	2.75
200ANB050	94,252	29,352	862.50	2	40%	0.197	Bronze	2.548-18 UNF-3A	.88	3.00	2.75
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL2548	4.94	4.062	.531	4	.895	Black Oxide	Steel	2.548-18 UNF-3B			

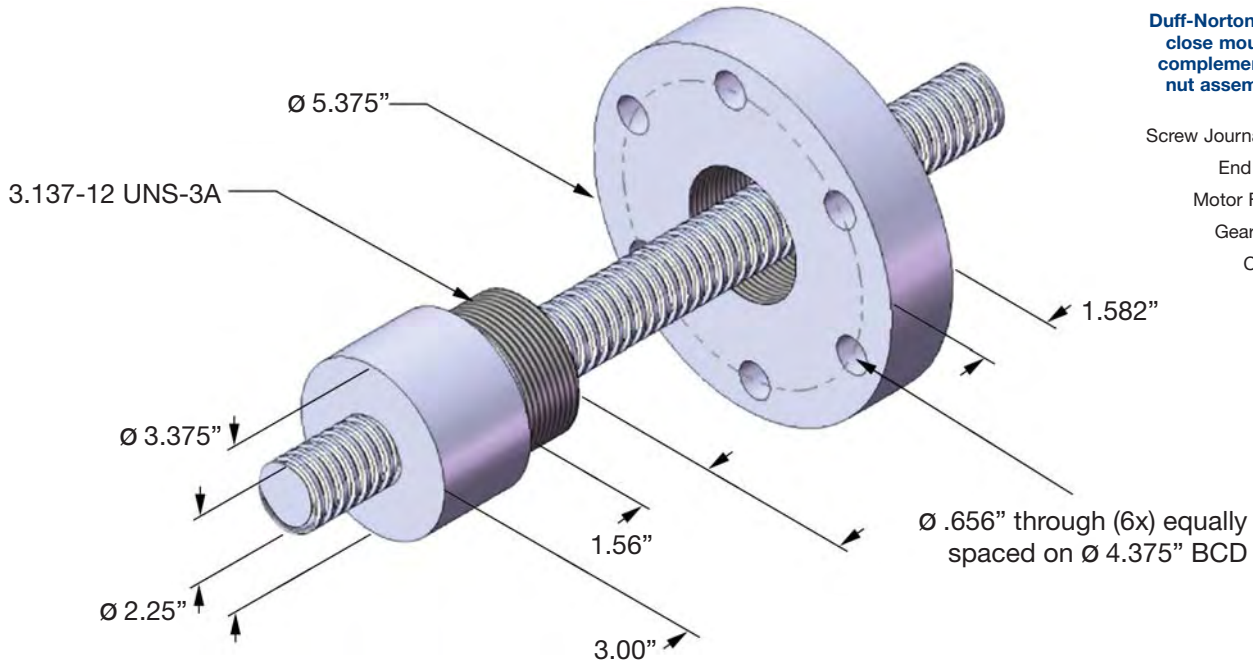
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

2 1/4" (2.25") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	36"	Standard Lengths 72"	144"
225ASA025	2.25	.250	.250	1	1.944	Centralizing RH	Steel	0.012	Yes	Yes	Yes
225ASA050R	2.25	.500	.500	1	1.685	Centralizing RH	Steel	0.019	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
225ANB025	104,447	31,632	431.25	4	22%	0.179	Bronze	3.137-12 UNF-3A	1.56	3.00	3.375
225ANB050	106,037	29,951	862.50	2	37%	0.213	Bronze	3.137-12 UNF-3A	1.56	3.00	3.375
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL3137	5.375	4.375	.656	6	1.582	Black Oxide	Steel	3.137-12 UNF-3B			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

Acme Screws & Nuts Specifications

2 1/2" (2.50") Acme Screws & Nuts

Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

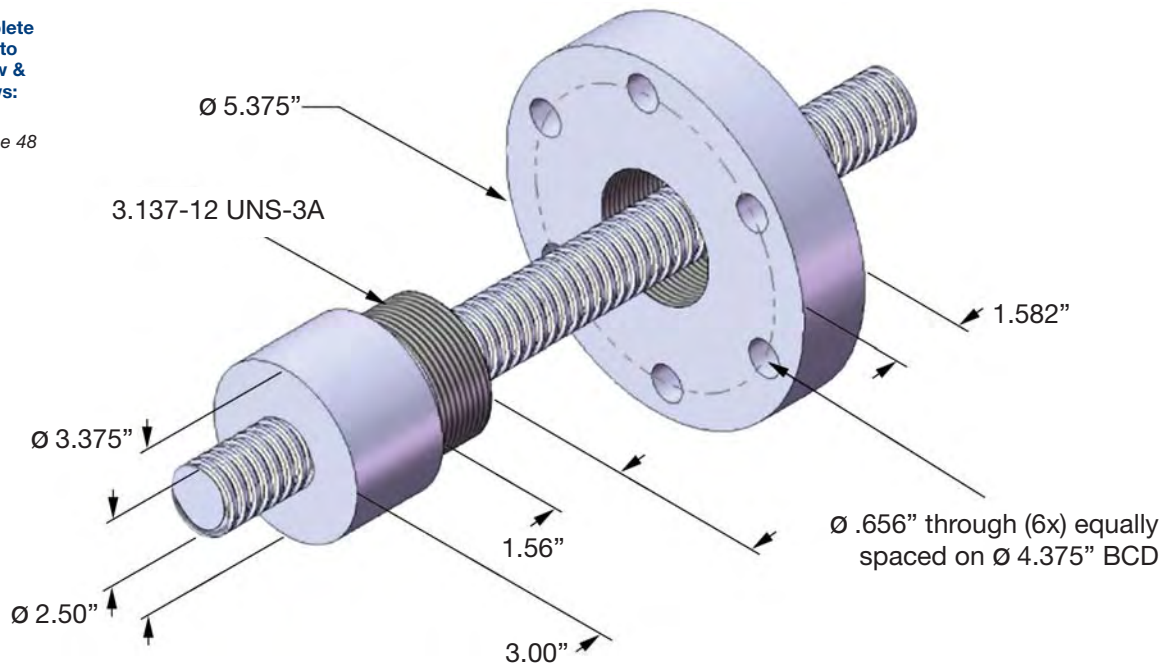
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Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
250ASA025	2.50	.250	.250	1	2.213	Centralizing RH	Steel	0.008	Yes	Yes	Yes
250ASA050R	2.50	.500	.500	1	1.934	Centralizing RH	Steel	0.019	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Mounting Length	Nut Length	Nut Diameter
250ANB025	118,606	38,599	431.25	4	20%	0.195	Bronze	3.137-12 UNF-3A	1.56	3.00	3.375
250ANB050	117,726	33,654	862.50	2	35%	0.229	Bronze	3.137-12 UNF-3A	1.56	3.00	3.375
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
FL3137	5.375	4.375	.656	6	1.582	Black Oxide	Steel	3.137-12 UNF-3B			

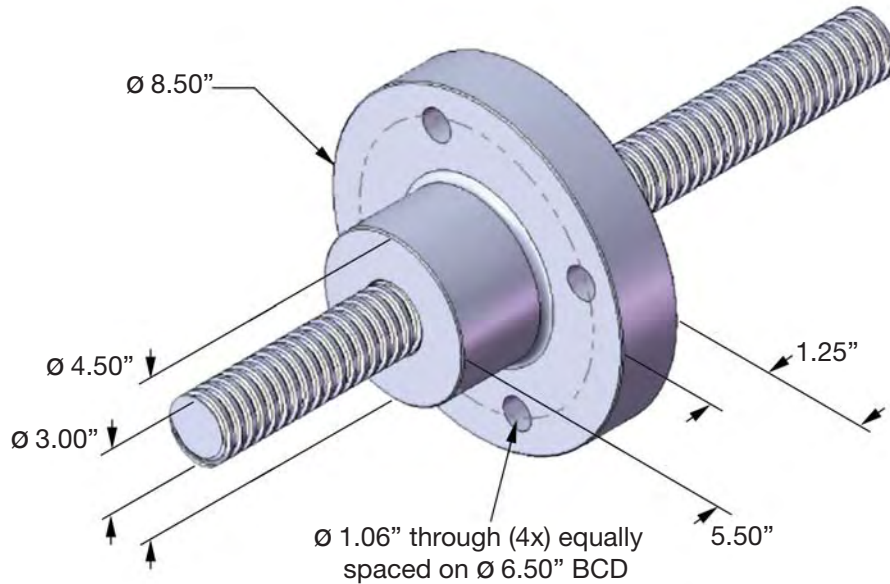
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

3" (3.00") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
300ASA032	3.00	.320	.320	1	2.761	G Class RH	Steel	0.018	Yes	Yes	Yes
300ASA067R	3.00	.666	.666	1	2.548	G Class RH	Steel	0.022	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter
300ANB032	115,046	51,299	552.00	3.125	21%	0.241	Bronze	Integral Flange	1.25	5.5	4.5
300ANB067	117,204	49,154	1148.85	1.515	36%	0.292	Bronze	Integral Flange	1.25	5.5	4.5
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
Integral	8.50	6.50	1.06	4	1.25	NA	Bronze	Integral Flange			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

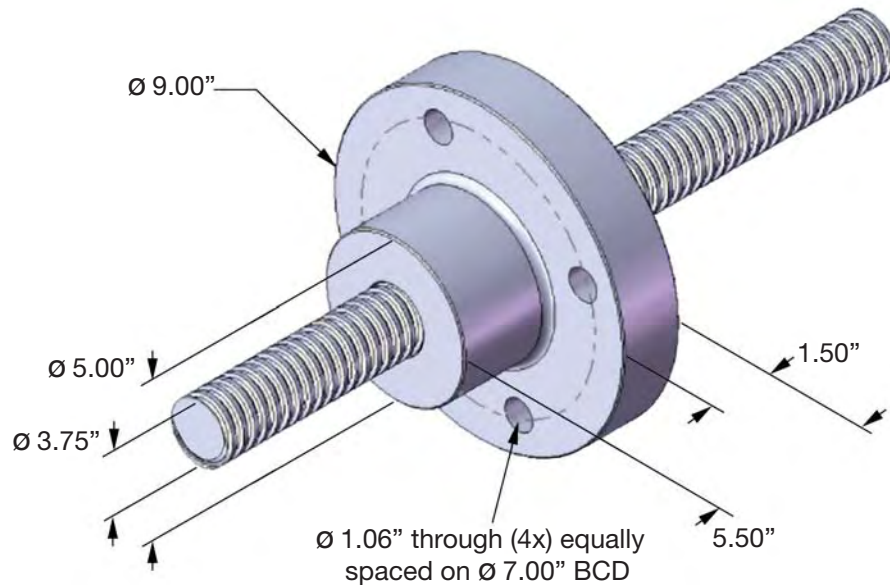
In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

Acme Screws & Nuts Specifications

3 3/4" (3.75") Acme Screws & Nuts

Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
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- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
375ASA032	3.75	.320	.320	1	3.390	Mod Sq. RH	Steel	0.010	Yes	Yes	Yes
375ASA067R	3.75	.666	.666	1	3.220	G Class RH	Steel	0.022	Yes	Yes	Yes
375ASA133	3.75	.666	1.33	2	3.295	G Class RH	Steel	0.022	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter
375ANB032	164,632	107,391	552.00	3.125	31%	0.340	Bronze	Integral Flange	1.5	5.5	5.0
375ANB067	146,406	62,203	1148.85	1.515	47%	0.450	Bronze	Integral Flange	1.5	5.5	5.0
375ANB133	137,796	62,272	2294.25	.75	18%	0.280	Bronze	Integral Flange	1.5	5.5	5.0
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
Integral	9.00	7.00	1.06	4	1.50	NA	Bronze	Integral Flange			

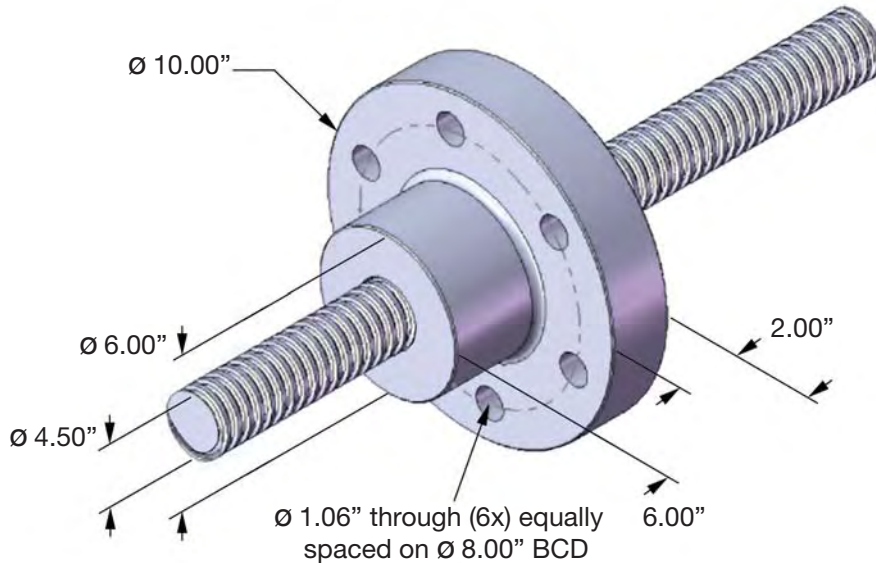
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

In many cases Duff-Norton can provide screw materials such as 316SS, longer screw lengths, or thread directions other than what has been cataloged. Please contact our customer service department for assistance.

4 1/2" (4.50") Acme Screws & Nuts



Duff-Norton offers complete close mounted systems to complement these screw & nut assemblies as follows:

- Screw Journal Ends - Page 48
- End Blocks - Page 50
- Motor Flanges - Page 54
- Gearmotors - Page 60
- Controls - Page 79

Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	36"	Standard Lengths		
										72"	144"	
450ASA032	4.50	.320	.320	1	4.139	Mod Sq LH	Steel	0.008	Yes	Yes	Yes	
450ASA067	4.50	.666	.666	1	3.978	Mod Sq LH	Steel	0.011	Yes	Yes	Yes	
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter	
450ANB032	221,051	141,215	552.00	3.125	16%	0.327	Bronze	Integral Flange	2.0	6.00	6.00	
450ANB067	215,679	75,463	1148.85	1.515	28%	0.383	Bronze	Integral Flange	2.0	6.00	6.00	
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread				
Integral	10.00	8.00	1.06	6	2.00	NA	Bronze	Integral Flange				

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

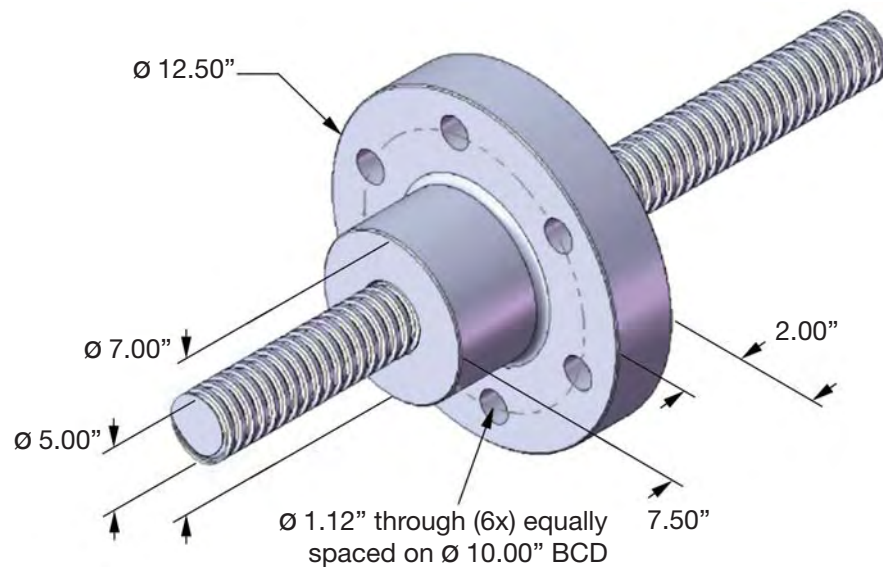
*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

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Acme Screws & Nuts Specifications

5" (5.00") Acme Screws & Nuts



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
500ASA067	5.00	.666	.666	1	4.343	Mod Sq LH	Steel	.010	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter
500ANB067	339,596	152,848	1148.85	1.515	26%	0.413	Bronze	Integral Flange	2.0	7.50	7.00
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
Integral	12.50	10.00	1.12	6	2.00	NA	Bronze	Integral Flange			

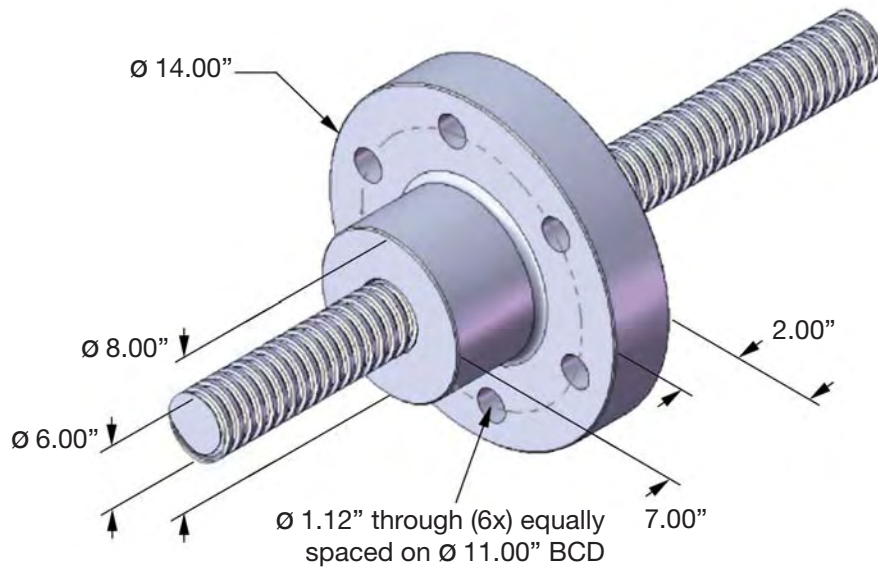
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

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6" (6.00") Acme Screws & Nuts



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	Standard Lengths		
									36"	72"	144"
600ASA075	6.00	.075	.075	1	5.196	Mod Sq RH	Steel	0.011	Yes	Yes	Yes
600ASA100	6.00	1.00	1.00	1	5.074	Mod Sq RH	Steel	0.011	Yes	Yes	Yes
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter
600ANB075	339,596	184,586	1293.75	1.33	25%	0.486	Bronze	Integral Flange	2.0	7.00	8.00
600ANB100	340,126	179,129	1725.00	1.33	31%	0.522	Bronze	Integral Flange	2.0	7.00	8.00
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread			
Integral	14.00	11.00	1.12	6	2.00	NA	Bronze	Integral Flange			

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

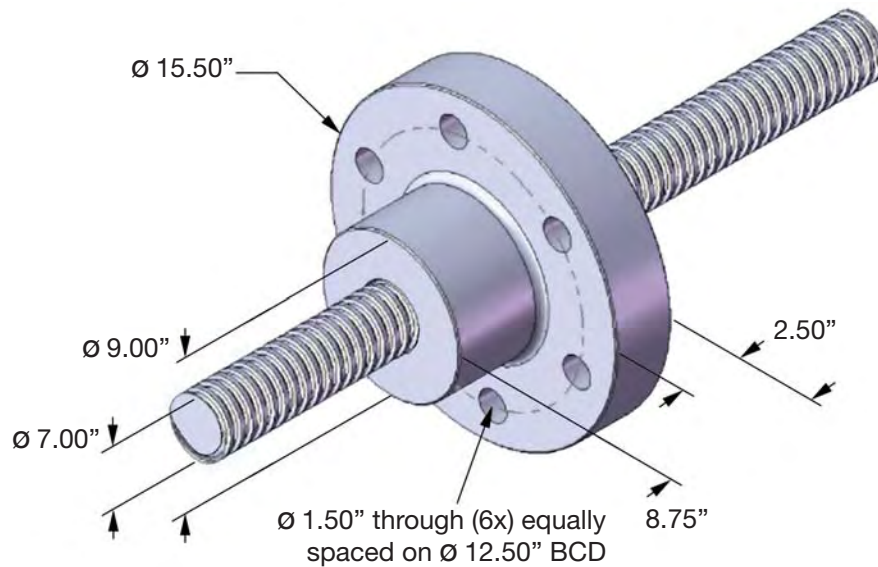
*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

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Acme Screws & Nuts Specifications

7" (7.00") Acme Screws & Nuts



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	36"	Standard Lengths		
700ASA100	7.00	1.00	1.00	1	6.058	Mod Sq RH	Steel	.013	Yes	Yes	Yes	144"
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter	
700ANB100	487,409	256,345	1725.00	1.00	27%	0.591	Bronze	Integral Flange	2.5	8.75	9.00	
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread				
Integral	15.5	12.50	1.50	6	2.50	NA	Bronze	Integral Flange				

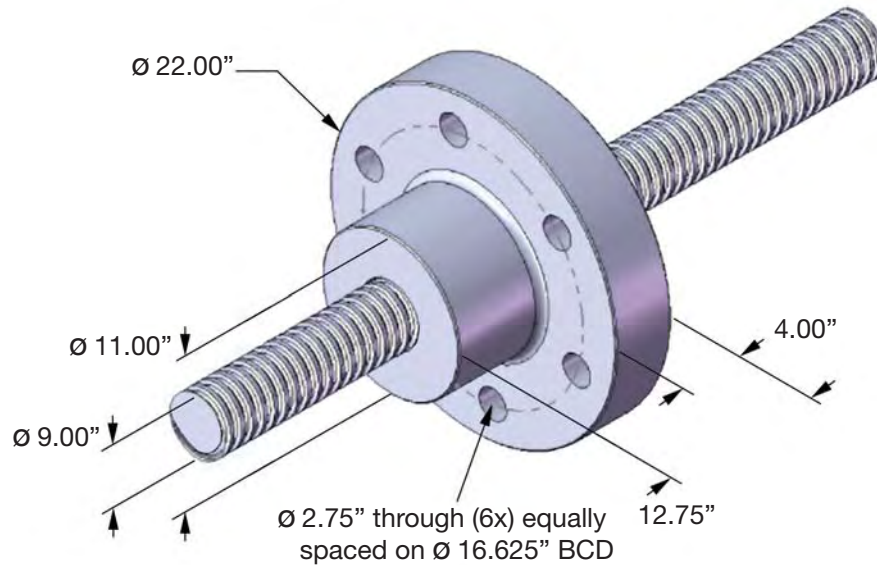
NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

*Load ratings are based on what the screw & nut assembly is capable of achieving. Actual load performance for a given screw and nut assembly will vary from application to application.

*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

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9" (9.00") Acme Screws & Nuts



Acme Screw	Screw Diameter	Lead	Pitch	No. Starts	Root Diameter	Thread Form	Material	Max. Backlash	36"	Standard Lengths		
900ASA100	9.00	1.00	1.00	1	7.850	Mod Sq RH	Steel	.008	Yes	Yes	72"	144"
Acme Nut	*Static Load	*Dynamic Load	*Max Speed	T.P.I.	Efficiency	Torque to Raise 1 Lb. (in/lb)	Material	Mounting Thread	Flange Width	Nut Length	Nut Diameter	
900ANB100	952,842	622,745	1725.00	1.00	23%	0.700	Bronze	Integral Flange	4.0	12.75	11.00	
Flange	Overall Diameter	Bolt Cir. Diameter	Bolt Hole Diameter	Mounting Holes	Flange Width	Treated	Material	Mounting Thread				
Integral	22.00	16.625	2.75	6	4	NA	Bronze	Integral Flange				

NOTE: Unless otherwise specified, all capacities are in Pounds, all dimensions are in Inches, and all speeds are in Inches per Minute.

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*Speed ratings are based on a directly coupled screw & motor turning at 1725 rpm. Actual speeds for a given screw and nut assembly will vary from application to application.

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