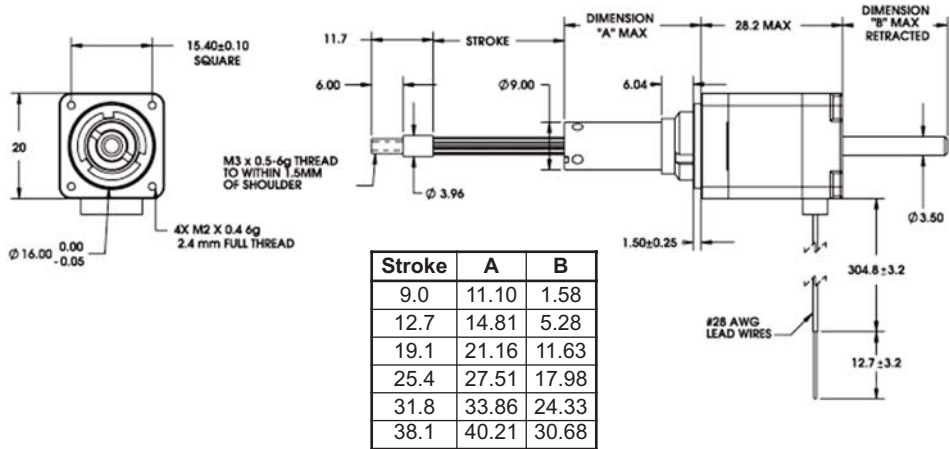




# Series 21000 Size 8

# Hybrid Linear Actuator Captive Shaft

All dimensions in mm

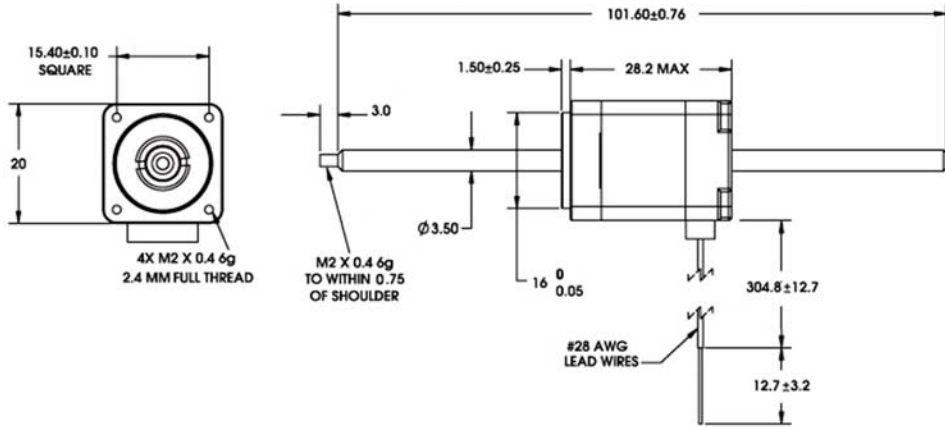


Part Number	21H4(X)-V		
Wiring	Bipolar		
Operating Voltage	2.5VDC	5VDC	7.5VDC
Current/Phase	0.49A	0.24A	0.16A
Resistance/Phase	5.1Ω	20.4Ω	45.9Ω
Inductance/Phase	1.5mH	5.0mH	11.7mH
Power Consumption	2.45W Total		
Rotor Inertia	1.4gcm <sup>2</sup>		
Temperature Rise	75°C Rise		
Weight	43g		
Insulation Resistance	20MΩ		

Screw Ø (mm)	Linear Travel (mm)	Order Code
3.5	0.0015	U
	0.0025	AA
	0.0030	N
	0.0050	AB
	0.0060	K
	0.010	AC
	0.0121	J
	0.020	AD
	0.040	AE



All dimensions in mm



Part Number	<b>21F4(X)-V</b>		
Wiring	Bipolar		
Operating Voltage	2.5VDC	5VDC	7.5VDC
Current/Phase	0.49A	0.24A	0.16A
Resistance/Phase	5.1 $\Omega$	20.4 $\Omega$	45.9 $\Omega$
Inductance/Phase	1.5mH	5.0mH	11.7mH
Power Consumption	2.45W Total		
Rotor Inertia	1.4gcm <sup>2</sup>		
Temperature Rise	75°C Rise		
Weight	43g		
Insulation Resistance	20M $\Omega$		

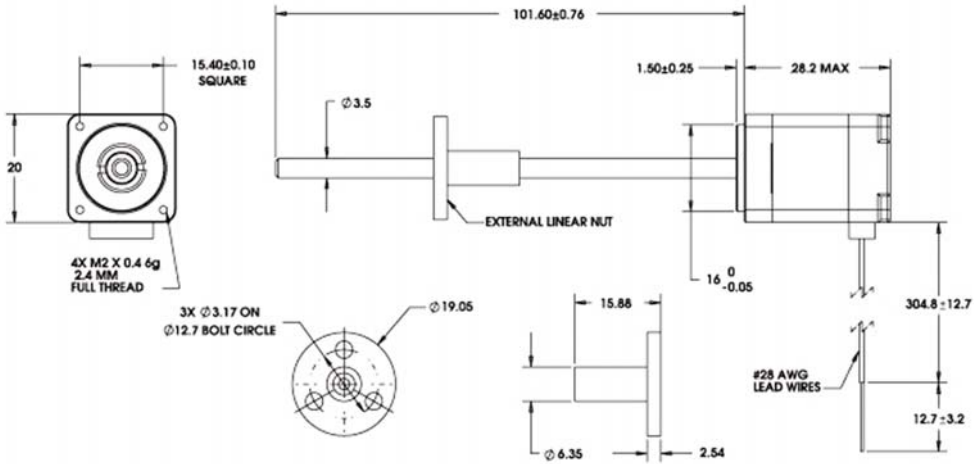
Screw $\phi$ (mm)	Linear Travel (mm)	Order Code
3.5	0.0015	U
	0.0025	AA
	0.0030	N
	0.0050	AB
	0.0060	K
	0.010	AC
	0.0121	J
	0.020	AD
	0.040	AE



# Series 21000 Size 8

# Hybrid Linear Actuator External Linear

All dimensions in mm



Part Number	E21H4(X)-V		
Wiring	Bipolar		
Operating Voltage	2.5VDC	5VDC	7.5VDC
Current/Phase	0.49A	0.24A	0.16A
Resistance/Phase	5.1Ω	20.4Ω	45.9Ω
Inductance/Phase	1.5mH	5.0mH	11.7mH
Power Consumption	2.45W Total		
Rotor Inertia	1.4gcm <sup>2</sup>		
Temperature Rise	75°C Rise		
Weight	43g		
Insulation Resistance	20MΩ		

Screw Ø (mm)	Linear Travel (mm)	Order Code
3.5	0.0015	U
	0.0025	AA
	0.0030	N
	0.0050	AB
	0.0060	K
	0.010	AC
	0.0121	J
	0.020	AD
	0.040	AE

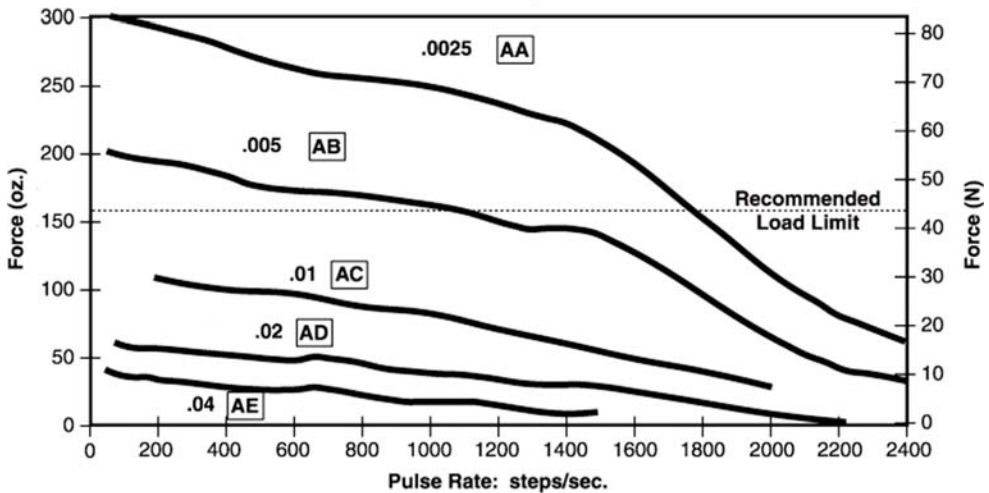
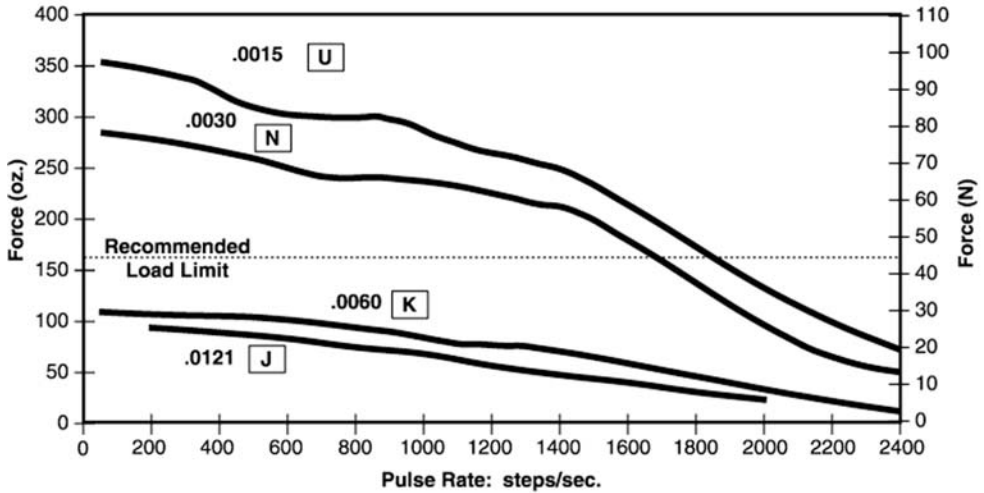
# Hybrid Linear Actuator Speed Curves

Series 21000  
Size 8



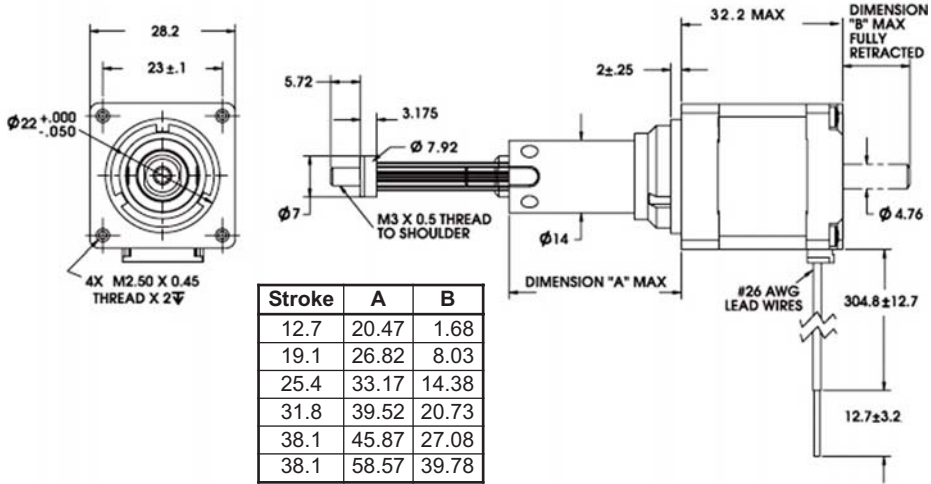
All dimensions in mm

Ø3.50 mm Lead Screw, Bipolar. Chopper Drive, 100% Duty Cycle





All dimensions in mm



Stroke	A	B
12.7	20.47	1.68
19.1	26.82	8.03
25.4	33.17	14.38
31.8	39.52	20.73
38.1	45.87	27.08
38.1	58.57	39.78

Part Number	28H4(X)-V			28H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.1VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.0A	0.42A	0.18A	0.42A	0.18A
Resistance/Phase	2.1Ω	11.9Ω	68.6Ω	11.9Ω	68.6Ω
Inductance/Phase	1.5mH	6.7mH	39.0mH	3.3mH	19.5mH
Power Consumption	4.2W Total				
Rotor Inertia	9.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	119g				
Insulation Resistance	20MΩ				

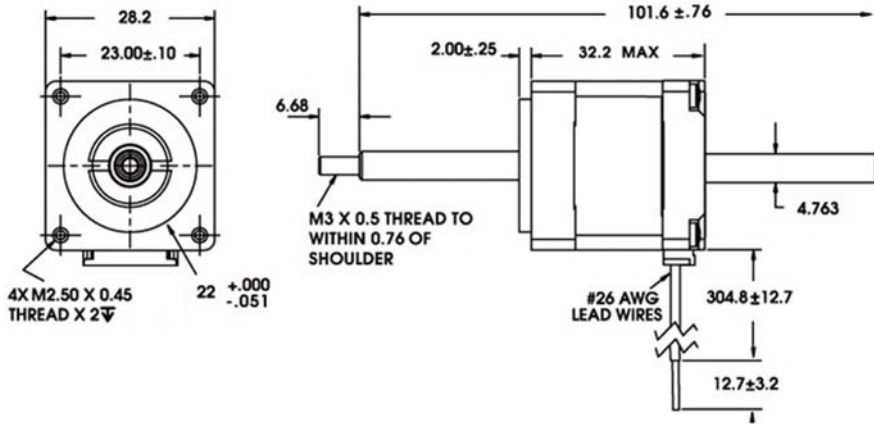
Screw Ø (mm)	Linear Travel (mm)	Order Code
4.76	0.0031	7
	0.0063	9
	0.0127	3
	0.0254	1
	0.0508	2

# Hybrid Linear Actuator Non-Captive Linear

Series 28000  
Size 11



All dimensions in mm

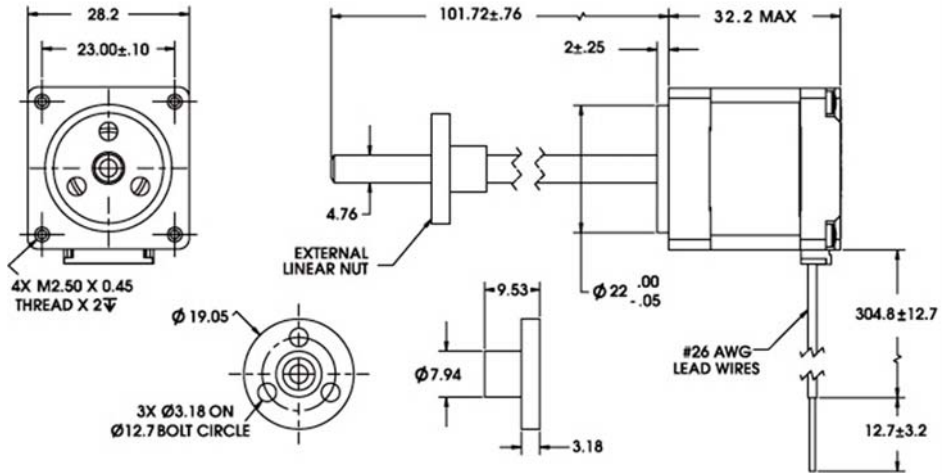


Part Number	28F4(X)-V			28F6(X)-V	
	Bipolar			Unipolar	
Wiring	Bipolar			Unipolar	
Operating Voltage	2.1VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.0A	0.42A	0.18A	0.42A	0.18A
Resistance/Phase	2.1 $\Omega$	11.9 $\Omega$	68.6 $\Omega$	11.9 $\Omega$	68.6 $\Omega$
Inductance/Phase	1.5mH	6.7mH	39.0mH	3.3mH	19.5mH
Power Consumption	4.2W Total				
Rotor Inertia	9.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	119g				
Insulation Resistance	20M $\Omega$				

Screw $\varnothing$ (mm)	Linear Travel (mm)	Order Code
4.76	0.0031	7
	0.0063	9
	0.0127	3
	0.0254	1
	0.0508	2



All dimensions in mm



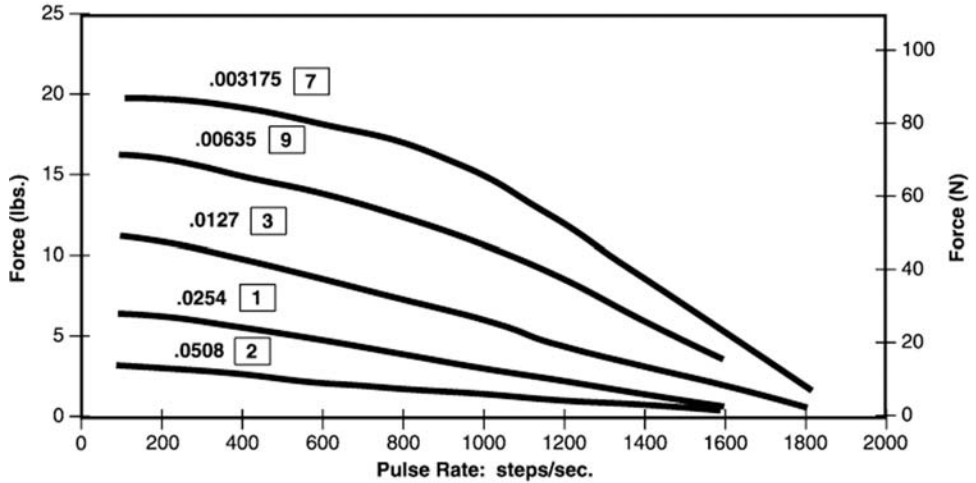
Part Number	E28H4(X)-V			E28H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.1VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.0A	0.42A	0.18A	0.42A	0.18A
Resistance/Phase	2.1 $\Omega$	11.9 $\Omega$	68.6 $\Omega$	11.9 $\Omega$	68.6 $\Omega$
Inductance/Phase	1.5mH	6.7mH	39.0mH	3.3mH	19.5mH
Power Consumption	4.2W Total				
Rotor Inertia	9.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	119g				
Insulation Resistance	20M $\Omega$				

Screw $\phi$ (mm)	Linear Travel (mm)	Order Code
4.76	0.0031	7
	0.0063	9
	0.0127	3
	0.0254	1
	0.0508	2



All dimensions in mm

Ø4.75 mm Lead Screw, Bipolar. Chopper Drive, 100% Duty Cycle

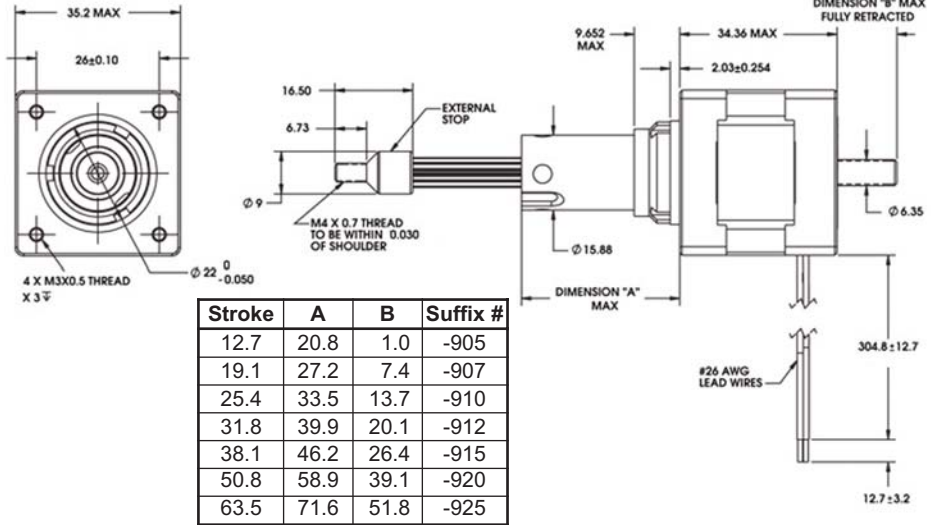




# Series 35000 Size 14

# Hybrid Linear Actuator Captive Shaft

All dimensions in mm

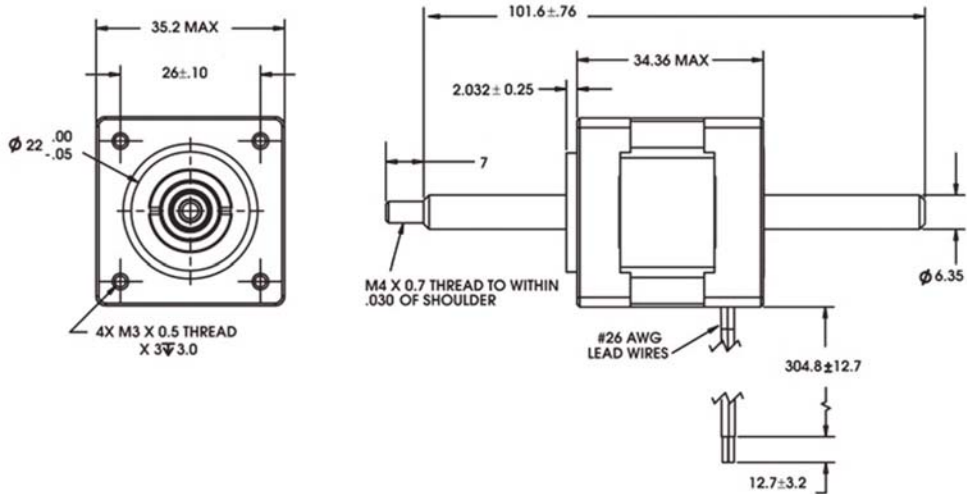


Part Number	35H4(X)-V			35H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.25A	0.57A	0.24A	0.57A	0.24A
Resistance/Phase	1.86Ω	8.8Ω	50.5Ω	8.8Ω	50.5Ω
Inductance/Phase	2.8mH	13mH	60mH	6.5mH	30mH
Power Consumption	5.7W Total				
Rotor Inertia	27.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	162g				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C



All dimensions in mm

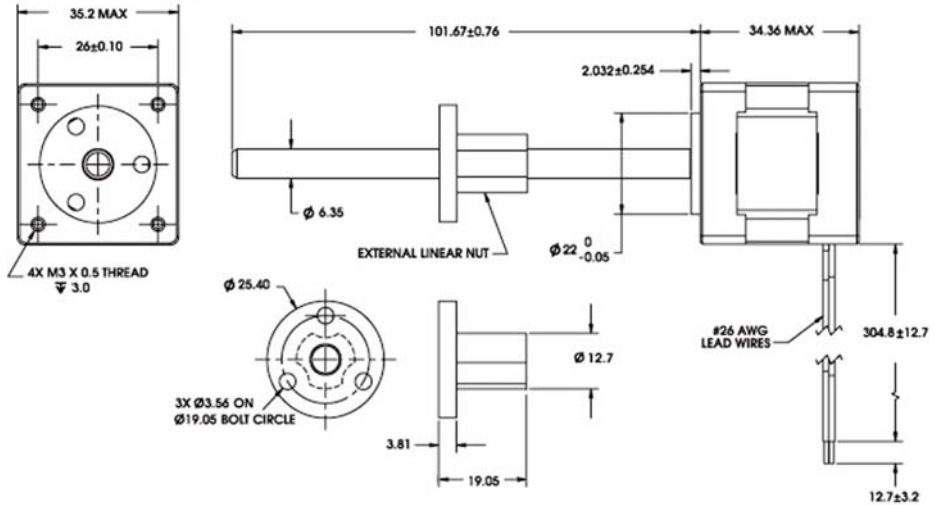


Part Number	35F4(X)-V			35F6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.25A	0.57A	0.24A	0.57A	0.24A
Resistance/Phase	1.86Ω	8.8Ω	50.5Ω	8.8Ω	50.5Ω
Inductance/Phase	2.8mH	13mH	60mH	6.5mH	30mH
Power Consumption	5.7W Total				
Rotor Inertia	27.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	162g				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C



All dimensions in mm



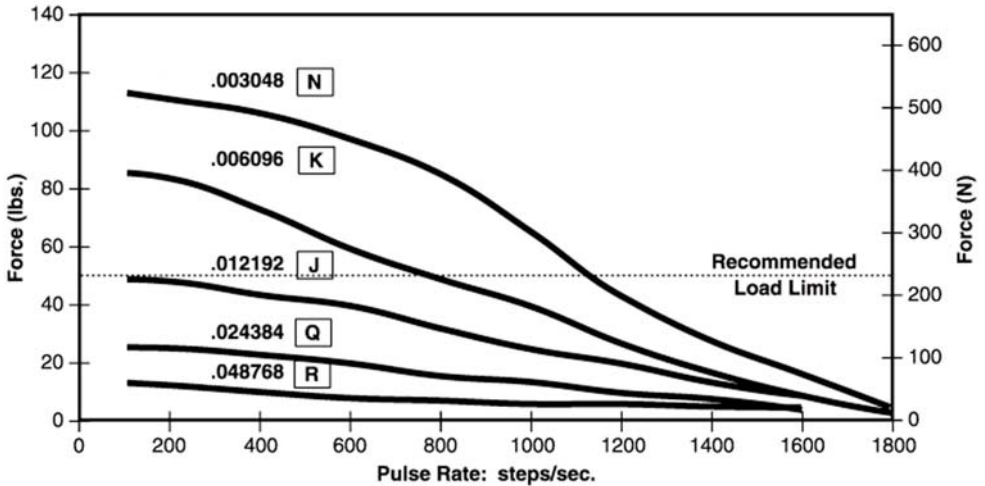
Part Number	E35H4(X)-V			E35H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.25A	0.57A	0.24A	0.57A	0.24A
Resistance/Phase	1.86 $\Omega$	8.8 $\Omega$	50.5 $\Omega$	8.8 $\Omega$	50.5 $\Omega$
Inductance/Phase	2.8mH	13mH	60mH	6.5mH	30mH
Power Consumption	5.7W Total				
Rotor Inertia	27.0gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	162g				
Insulation Resistance	20M $\Omega$				

Screw $\phi$ (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C

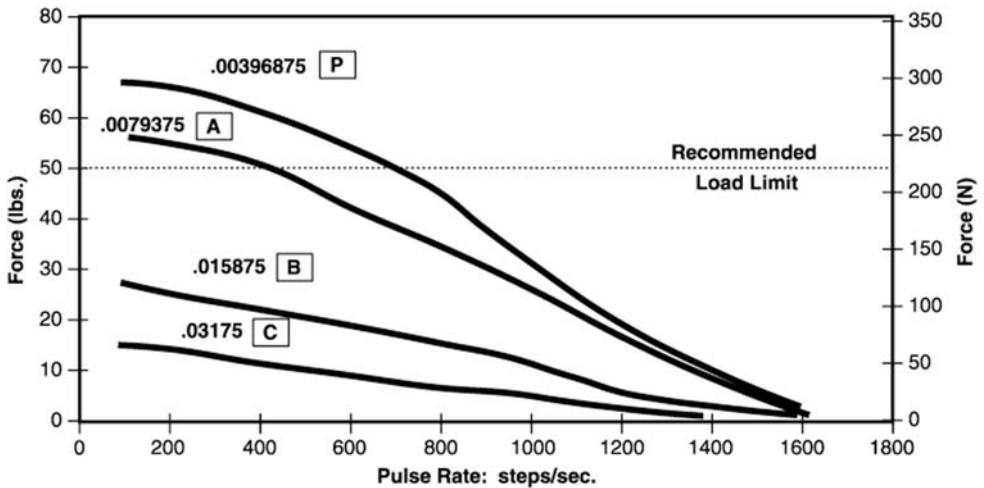


All dimensions in mm

Ø54mm Lead Screw, Bipolar, Chopper Drive, 100% Duty Cycle



Ø 6.35 mm Lead Screw, Bipolar, Chopper Drive, 100% Duty Cycle

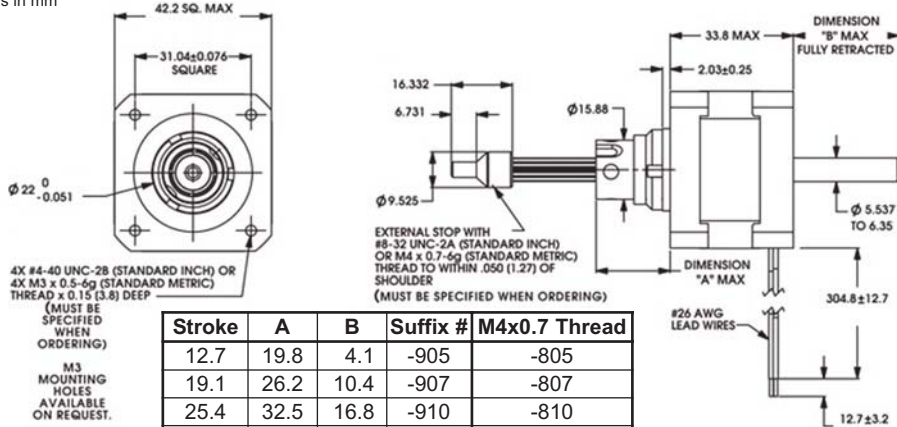




# Series 43000 Size 17

# Hybrid Linear Actuator Captive Shaft

All dimensions in mm



Part Number	43H4(X)-V			43H6(X)-V	
	Bipolar			Unipolar	
Wiring	Bipolar			Unipolar	
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.5A	700mA	290mA	700mA	290mA
Resistance/Phase	1.56Ω	7.2Ω	41.5Ω	7.2Ω	41.5Ω
Inductance/Phase	1.9mH	8.7mH	54.0mH	4.4mH	27.0mH
Power Consumption	7W Total				
Rotor Inertia	37gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	241g				
Insulation Resistance	20MΩ				

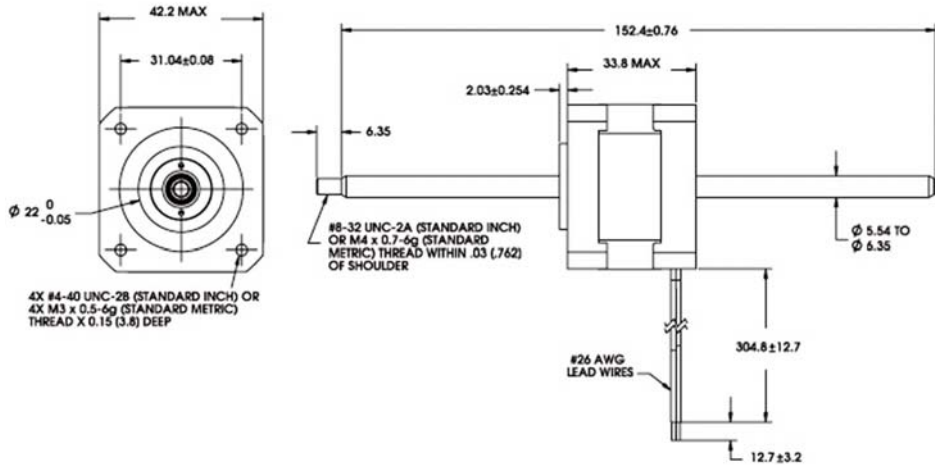
Screw Ø (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C

# Hybrid Linear Actuator Non-Captive Linear

Series 43000  
Size 17



All dimensions in mm

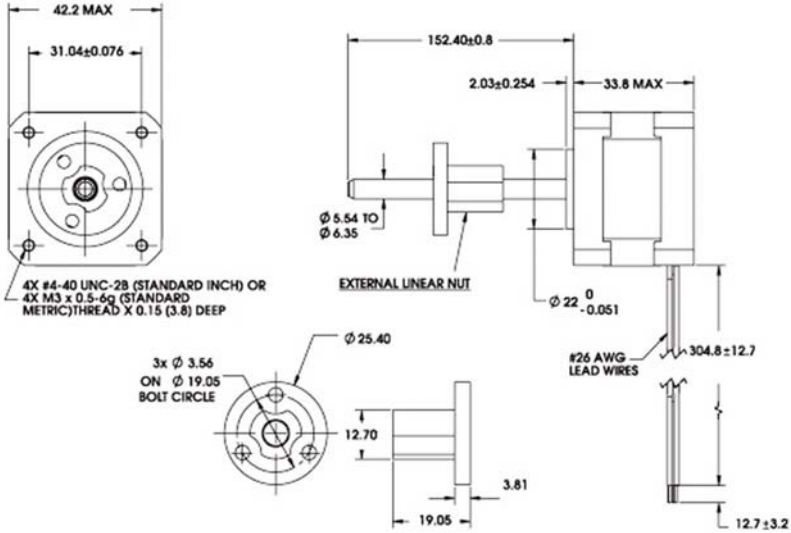


Part Number	43F4(X)-V			43F6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.5A	700mA	290mA	700mA	290mA
Resistance/Phase	1.56Ω	7.2Ω	41.5Ω	7.2Ω	41.5Ω
Inductance/Phase	1.9mH	8.7mH	54.0mH	4.4mH	27.0mH
Power Consumption	7W Total				
Rotor Inertia	37gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	241g				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C



All dimensions in mm



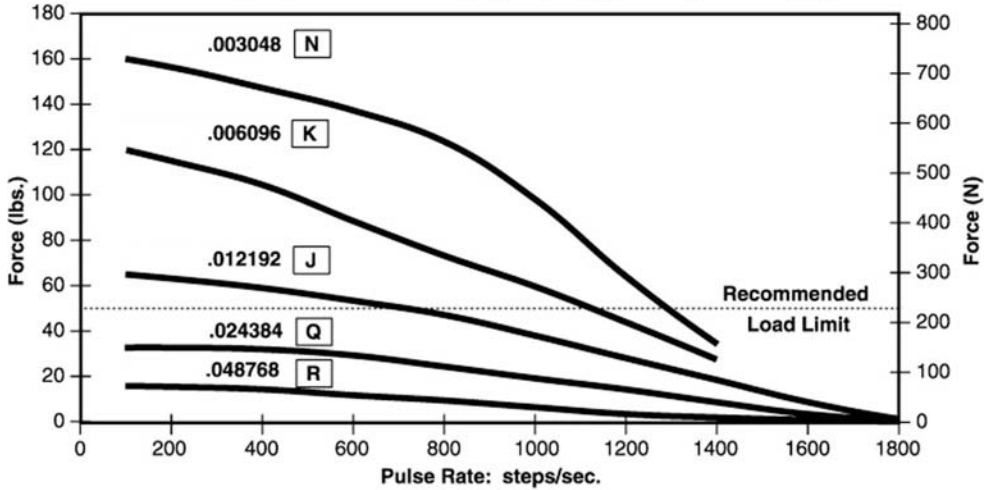
Part Number	E43H4(X)-V			E43H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	2.33VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1.5A	700mA	290mA	700mA	290mA
Resistance/Phase	1.56Ω	7.2Ω	41.5Ω	7.2Ω	41.5Ω
Inductance/Phase	1.9mH	8.7mH	54.0mH	4.4mH	27.0mH
Power Consumption	7W Total				
Rotor Inertia	37gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	241g				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
5.54	0.0030	N
	0.0060	K
	0.0121	J
	0.0243	Q
	0.0487	R
6.35	0.0039	P
	0.0079	A
	0.0158	B
	0.0317	C

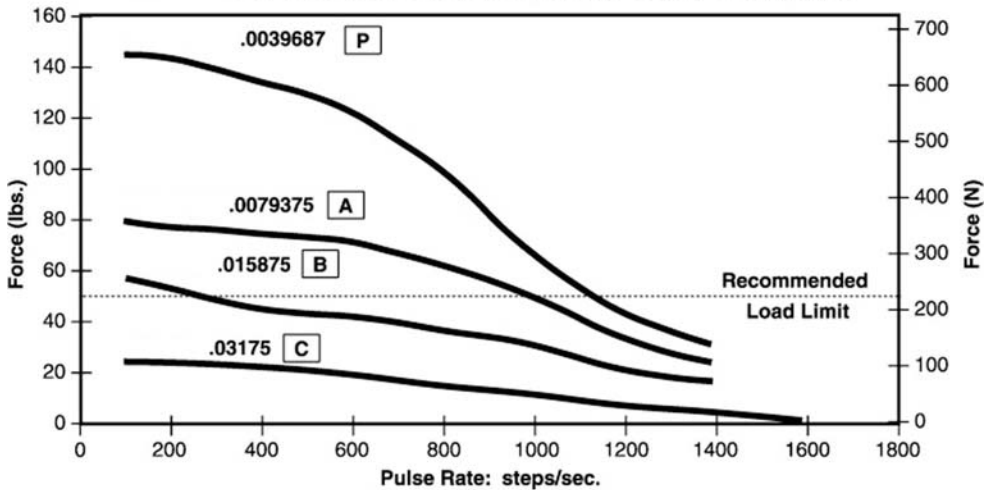


All dimensions in mm

**Ø5.54 mm Lead Screw, Bipolar, Chopper Drive, 100% Duty Cycle**

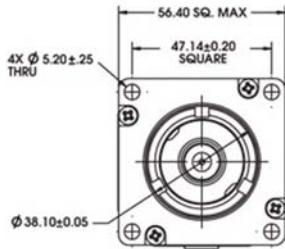


**Ø6.35 mm Lead Screw, Bipolar, Chopper Drive, 100% Duty Cycle**

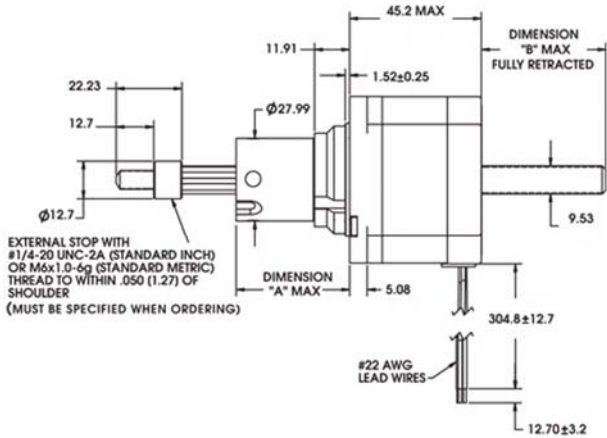




All dimensions in mm



Stroke	A	B
12.7	25.7	1.5
19.1	32.0	7.9
25.4	38.4	14.2
31.8	44.7	20.6
38.1	51.1	26.9
50.8	63.8	39.6
63.5	76.5	52.3

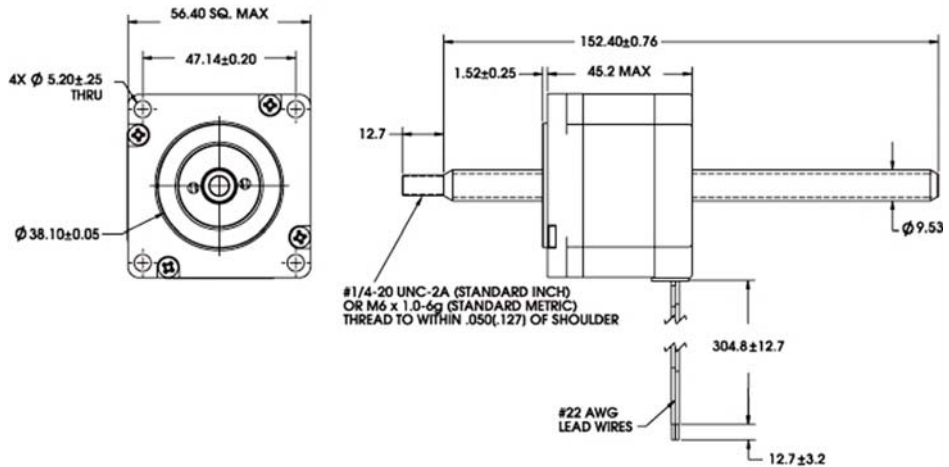


Part Number	57H4(X)-V			57H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	3.25VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	2.0A	1.3A	0.54A	1.3A	0.54A
Resistance/Phase	1.63Ω	3.85Ω	22.2Ω	3.85Ω	22.2Ω
Inductance/Phase	3.5mH	10.5mH	58mH	5.3mH	23.6mH
Power Consumption	13W Total				
Rotor Inertia	166gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	511g				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
9.53	0.0079	A
	0.0105	S
	0.0127	3
	0.0211	T
	0.0254	1
	0.0508	2



All dimensions in mm



Part Number	57F4(X)-V			57F6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	3.25VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	2.0A	1.3A	0.54A	1.3A	0.54A
Resistance/Phase	1.63Ω	3.85Ω	22.2Ω	3.85Ω	22.2Ω
Inductance/Phase	3.5mH	10.5mH	58mH	5.3mH	23.6mH
Power Consumption	13W Total				
Rotor Inertia	166gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	511g				
Insulation Resistance	20MΩ				

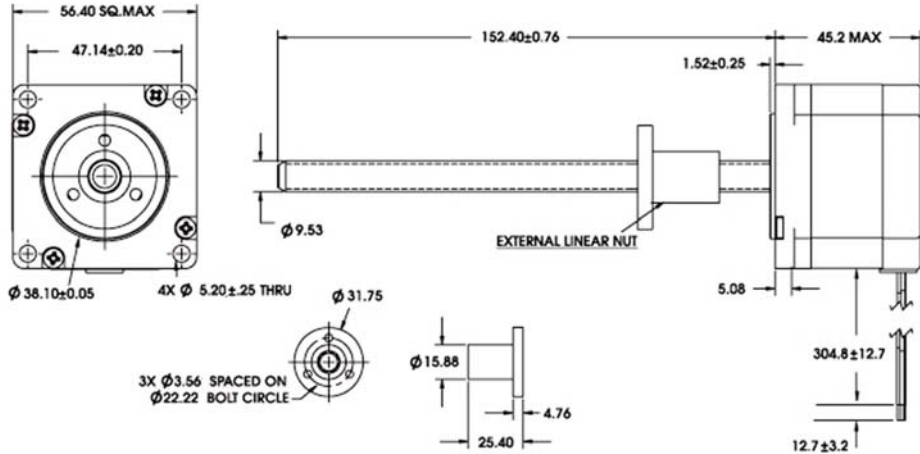
Screw Ø (mm)	Linear Travel (mm)	Order Code
9.53	0.0079	A
	0.0105	S
	0.0127	3
	0.0211	T
	0.0254	1
	0.0508	2



# Series 57000 Size 23

# Hybrid Linear Actuator External Linear

All dimensions in mm



Part Number	E57H4(X)-V			E57H6(X)-V	
	Bipolar			Unipolar	
Wiring					
Operating Voltage	3.25VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	2.0A	1.3A	0.54A	1.3A	0.54A
Resistance/Phase	1.63 $\Omega$	3.85 $\Omega$	22.2 $\Omega$	3.85 $\Omega$	22.2 $\Omega$
Inductance/Phase	3.5mH	10.5mH	58mH	5.3mH	23.6mH
Power Consumption	13W Total				
Rotor Inertia	166gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	511g				
Insulation Resistance	20M $\Omega$				

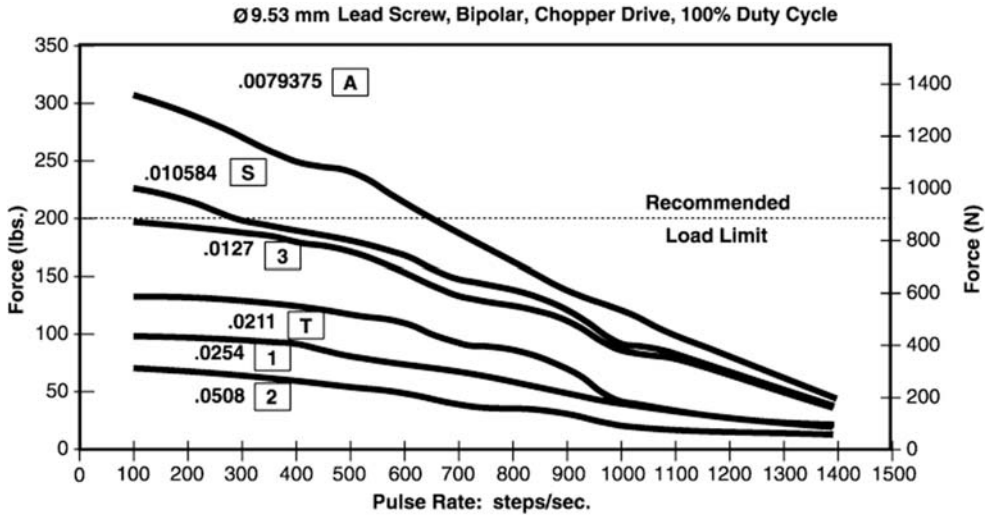
Screw $\phi$ (mm)	Linear Travel (mm)	Order Code
9.53	0.0079	A
	0.0105	S
	0.0127	3
	0.0211	T
	0.0254	1
	0.0508	2

# Hybrid Linear Actuator Speed Curves

Series 57000  
Size 23

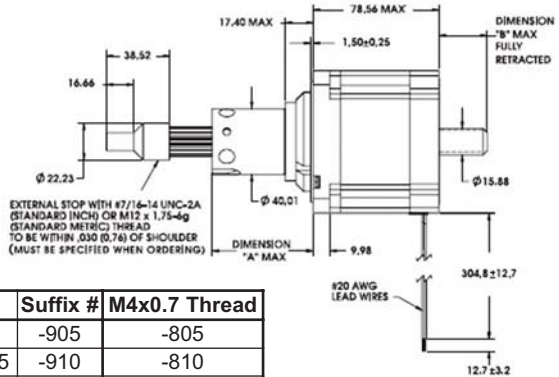
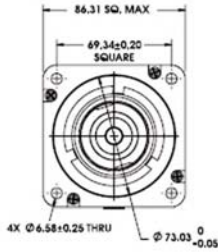


All dimensions in mm





All dimensions in mm



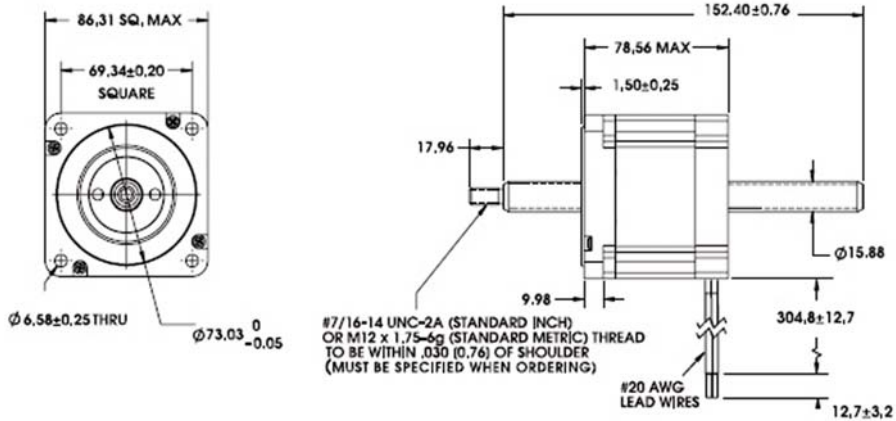
Stroke	A	B	Suffix #	M4x0.7 Thread
12.7	31.12	0	-905	-805
25.4	43.82	6.35	-910	-810
38.1	56.52	19.05	-915	-815
50.8	69.22	31.75	-920	-820
63.5	81.92	44.45	-925	-825

Part Number	87H4(X)-V			87H6(X)-V	
	Bipolar			Unipolar	
Wiring	Bipolar			Unipolar	
Operating Voltage	2.85VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	5.47A	3.12A	1.3A	3.12A	1.3A
Resistance/Phase	0.52Ω	1.6Ω	9.23Ω	1.6Ω	9.23Ω
Inductance/Phase	2.86mH	8.8mH	51mH	4.4mH	25.5mH
Power Consumption	31.2W Total				
Rotor Inertia	1760gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	2.3Kg				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
15.88	0.0127	3
	0.0158	B
	0.0317	C
	0.0635	Y
	0.127	Z



All dimensions in mm



Part Number	87F4(X)-V			87F6(X)-V	
	Bipolar			Unipolar	
Wiring	Bipolar			Unipolar	
Operating Voltage	2.85VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	5.47A	3.12A	1.3A	3.12A	1.3A
Resistance/Phase	0.52Ω	1.6Ω	9.23Ω	1.6Ω	9.23Ω
Inductance/Phase	2.86mH	8.8mH	51mH	4.4mH	25.5mH
Power Consumption	31.2W Total				
Rotor Inertia	1760gcm <sup>2</sup>				
Temperature Rise	75°C Rise				
Weight	2.3Kg				
Insulation Resistance	20MΩ				

Screw Ø (mm)	Linear Travel (mm)	Order Code
15.88	0.0127	3
	0.0158	B
	0.0317	C
	0.0635	Y
	0.127	Z

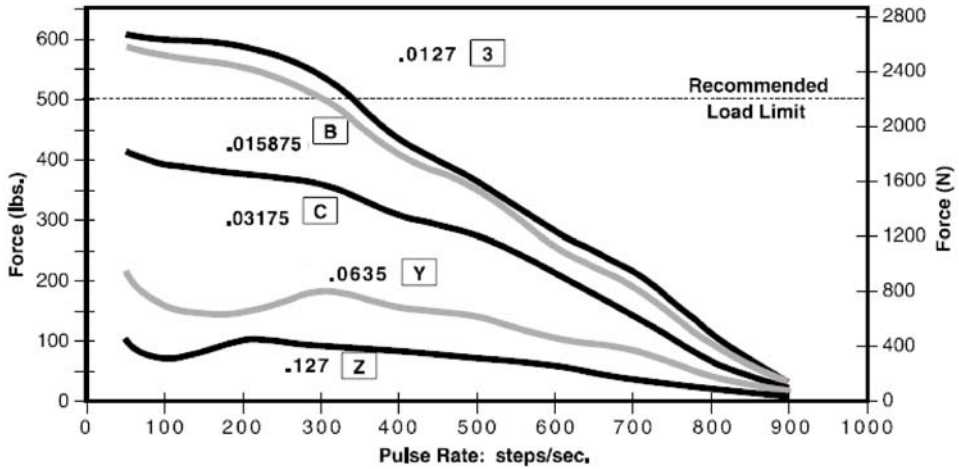


# Hybrid Linear Actuator Speed Curves

Series 87000  
Size 34

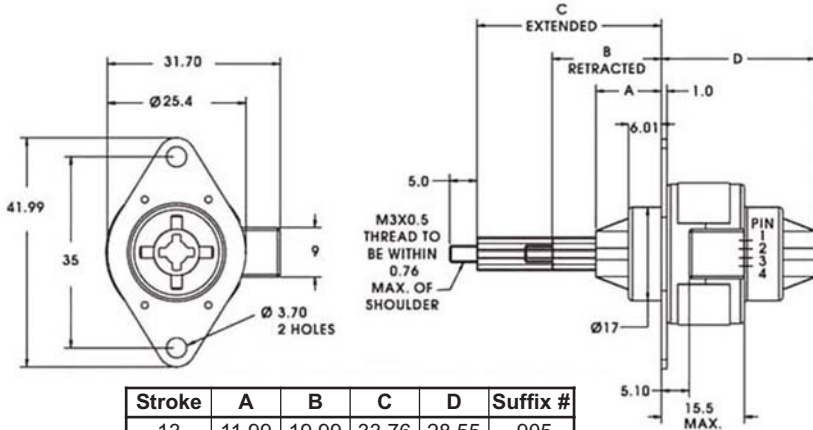


All dimensions in mm





All dimensions in mm



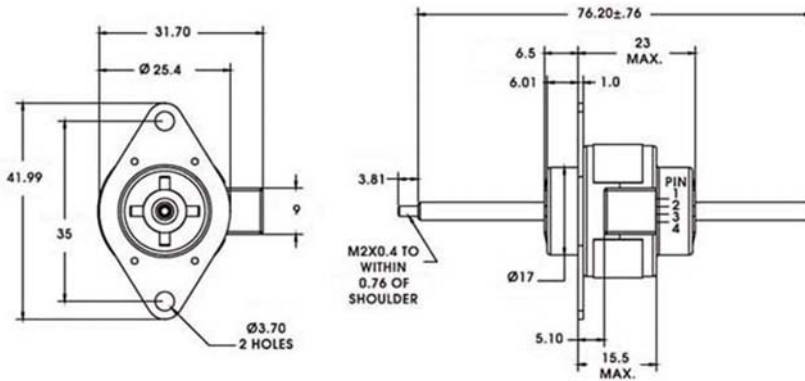
Stroke	A	B	C	D	Suffix #
13	11.99	19.99	33.76	28.55	-905
18	17.28	25.25	44.27	33.94	-907
25	24.26	32.23	58.24	40.92	-910
31	24.26	38.23	70.23	46.91	-912

Part Number	2544X-V		2554X-V	
Step Angle	7.5°		15°	
Wiring	Bipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC
Current/Phase	385mA	160mA	385mA	160mA
Resistance/Phase	13Ω	72Ω	13Ω	72Ω
Inductance/Phase	10.6mH	60mH	8.08mH	48mH
Power Consumption	3.85W Total			
Rotor Inertia	1.07gcm <sup>2</sup>			
Temperature Rise	75°C Rise			
Weight	49g			
Insulation Resistance	20MΩ			

Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.0254	1
	0.051	2
	0.102	4



All dimensions in mm

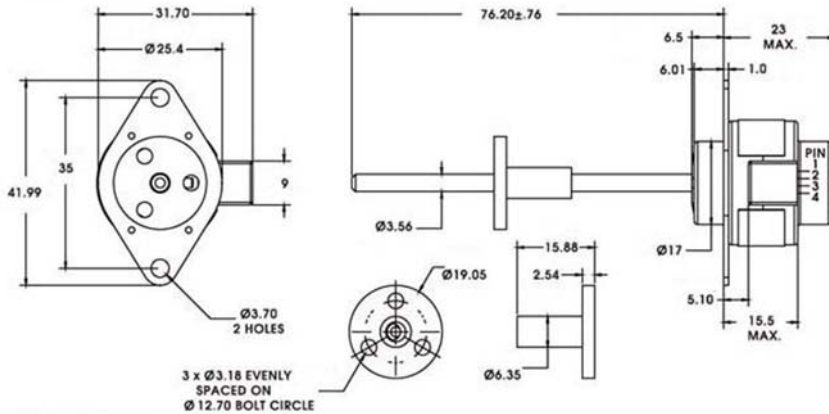


Part Number	2534X-V		2584X-V	
Step Angle	7.5°		15°	
Wiring	Bipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC
Current/Phase	385mA	160mA	385mA	160mA
Resistance/Phase	13Ω	72Ω	13Ω	72Ω
Inductance/Phase	10.6mH	60mH	8.08mH	48mH
Power Consumption	3.85W Total			
Rotor Inertia	1.07gcm <sup>2</sup>			
Temperature Rise	75°C Rise			
Weight	49g			
Insulation Resistance	20MΩ			

Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.0254	1
	0.051	2
	0.102	4



All dimensions in mm



Part Number	E2544X-V		E2554X-V	
Step Angle	7.5°		15°	
Wiring	Bipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC
Current/Phase	385mA	160mA	385mA	160mA
Resistance/Phase	13 $\Omega$	72 $\Omega$	13 $\Omega$	72 $\Omega$
Inductance/Phase	10.6mH	60mH	8.08mH	48mH
Power Consumption	3.85W Total			
Rotor Inertia	1.07gcm <sup>2</sup>			
Temperature Rise	75°C Rise			
Weight	49g			
Insulation Resistance	20M $\Omega$			

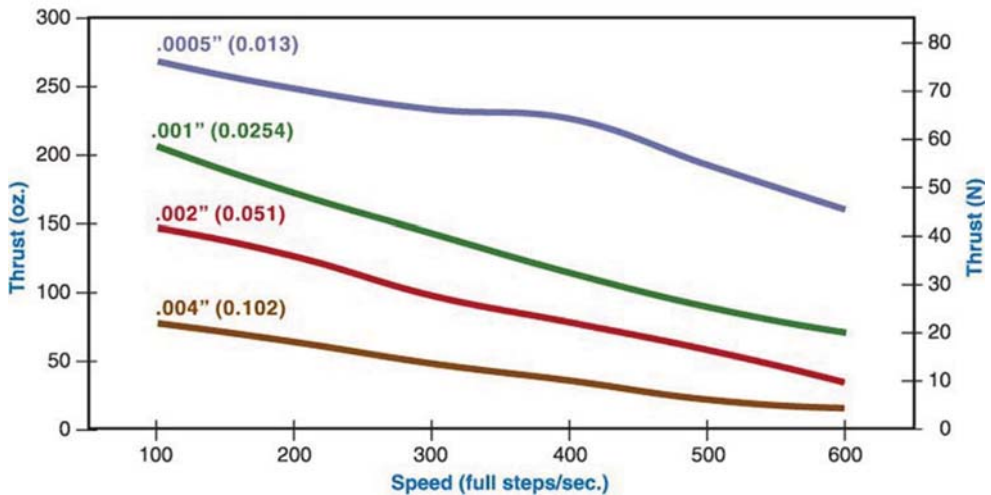
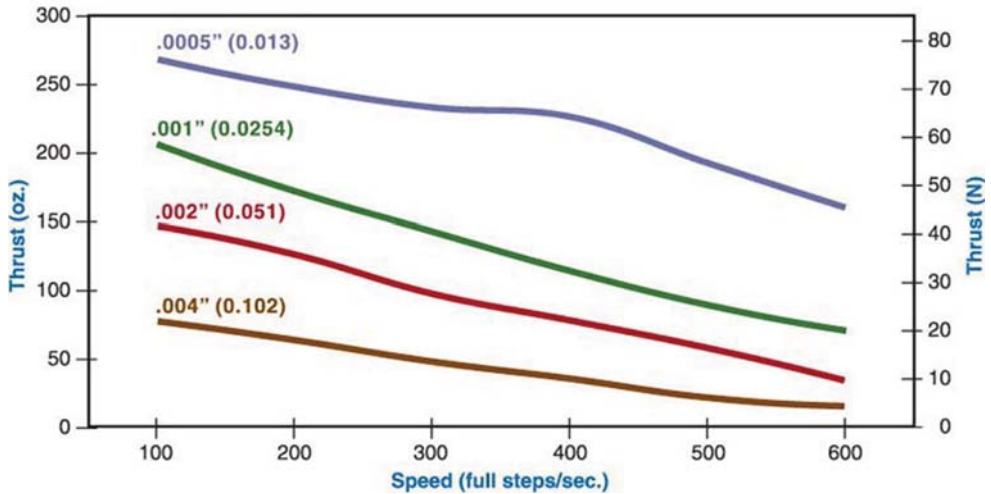
Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.0254	1
	0.051	2
	0.102	4

# Can-Stack Linear Actuator Speed Curves

Series 25000  
Size G4

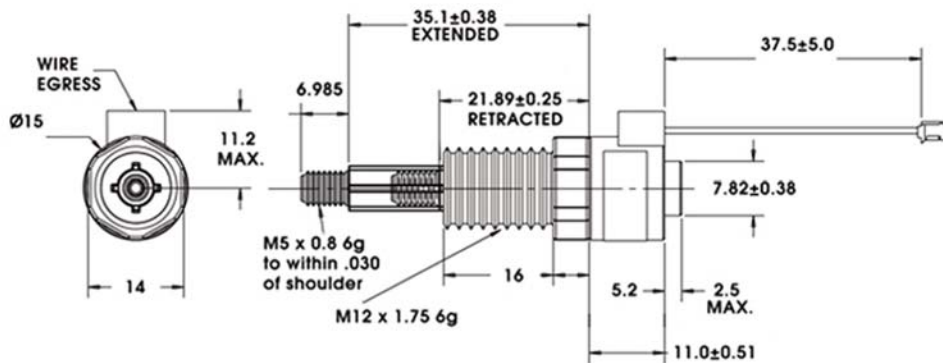


All dimensions in mm





All dimensions in mm

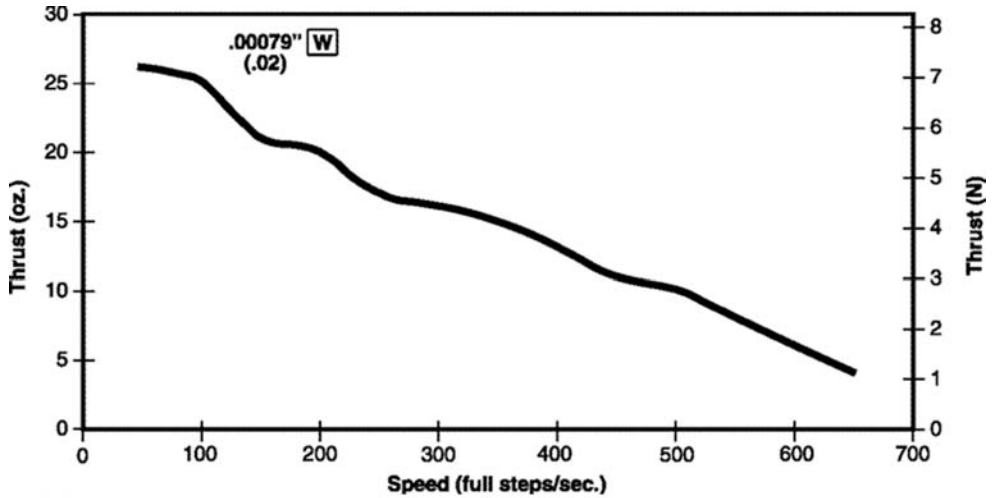


Part Number	<b>LC1574W-V</b>		
Step Angle	Bipolar		
Wiring	4VDC	5VDC	12VDC
Operating Voltage	0.2A	0.16A	0.07A
Current/Phase	20Ω	31Ω	180Ω
Resistance/Phase	5.6mH	8.7mH	48.8mH
Inductance/Phase	1.6W Total		
Power Consumption	12.7mm		
Rotor Inertia	75°C Rise		
Temperature Rise	28g		
Weight	100MΩ		

Screw Ø (mm)	Linear Travel (mm)	Order Code
5.0	0.02	W
Standard Connectors Available	JST PHR-4	-
	12" Flying Leads	-999
Other Compatible Connectors	Molex 51021-0400	-
	Molex 50-57-9404	-
	Molex 22-01-3047	-

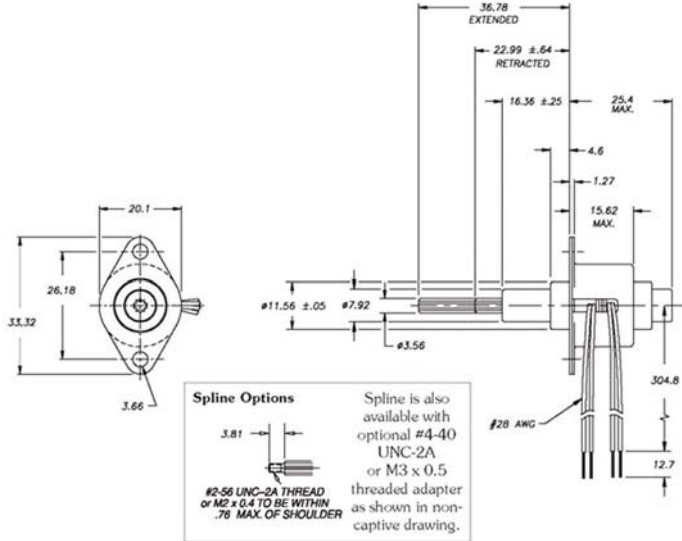


All dimensions in mm





All dimensions in mm



Part Number	<b>Z2054X-V</b>	
Step Angle	15°	
Wiring	Bipolar	
Operating Voltage	5VDC	12VDC
Current/Phase	250mA	100mA
Resistance/Phase	20Ω	118Ω
Inductance/Phase	5.4mH	27mH
Power Consumption	2.5W Total	
Rotor Inertia	1.13gcm <sup>2</sup>	
Temperature Rise	75°C Rise	
Weight	24.1g	
Insulation Resistance	20MΩ	

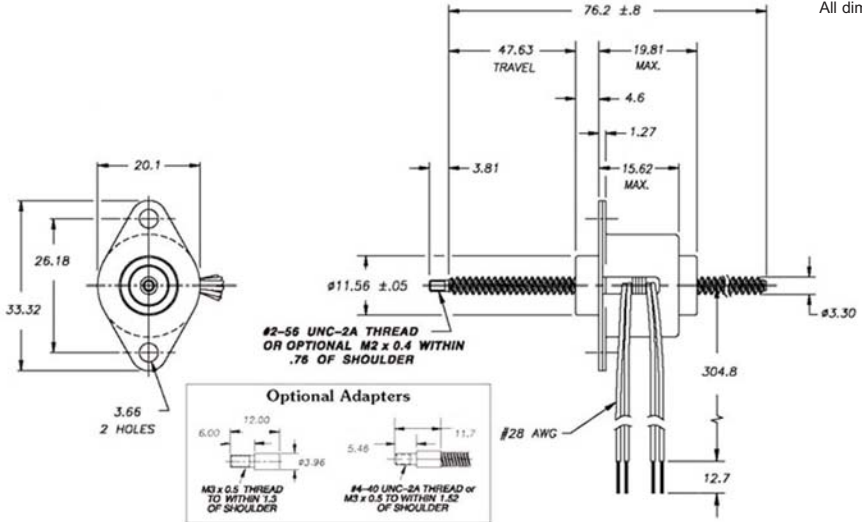
Step	Linear Travel (mm)	Order Code
15°	0.0254	1
	0.051	2
	0.102	4

# Can-Stack Linear Actuator Non-Captive Linear

Series Z20000  
Ø20 mm



All dimensions in mm

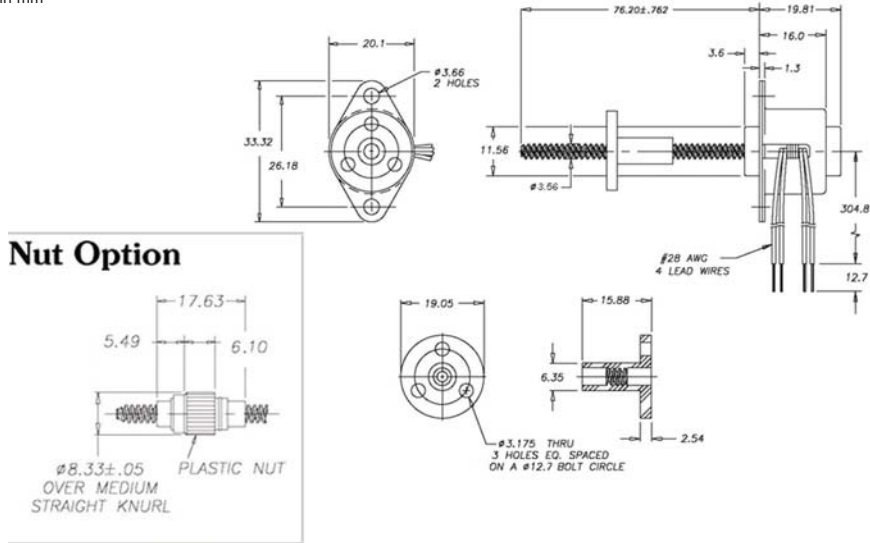


Part Number	<b>Z2084X-V</b>	
Step Angle	15°	
Wiring	Bipolar	
Operating Voltage	5VDC	12VDC
Current/Phase	250mA	100mA
Resistance/Phase	20Ω	118Ω
Inductance/Phase	5.4mH	27mH
Power Consumption	2.5W Total	
Rotor Inertia	1.13gcm <sup>2</sup>	
Temperature Rise	75°C Rise	
Weight	24.1g	
Insulation Resistance	20MΩ	

Step	Linear Travel (mm)	Order Code
15°	0.0254	1
	0.051	2
	0.102	4



All dimensions in mm



Part Number	<b>Z2054X-V900</b>	
Step Angle	15°	
Wiring	Bipolar	
Operating Voltage	5VDC	12VDC
Current/Phase	250mA	100mA
Resistance/Phase	20Ω	118Ω
Inductance/Phase	5.4mH	27mH
Power Consumption	2.5W Total	
Rotor Inertia	1.13gcm <sup>2</sup>	
Temperature Rise	75°C Rise	
Weight	24.1g	
Insulation Resistance	20MΩ	

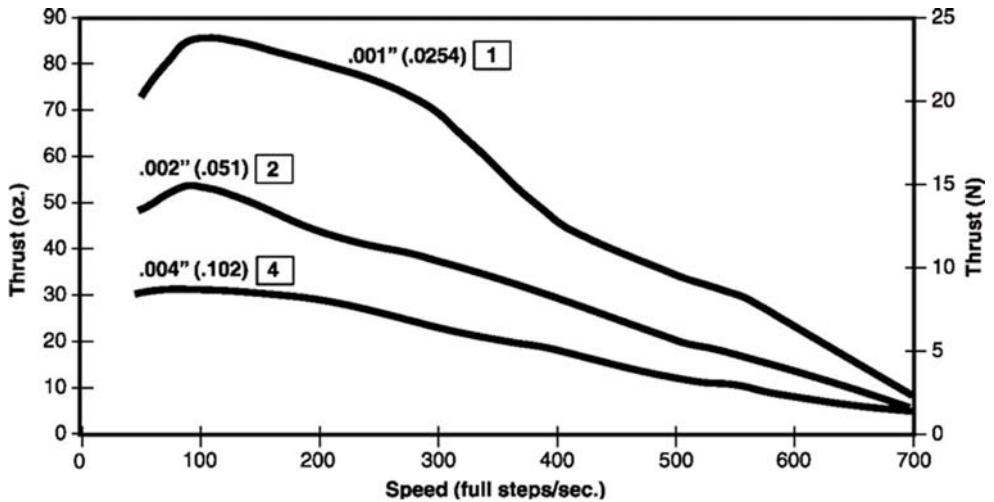
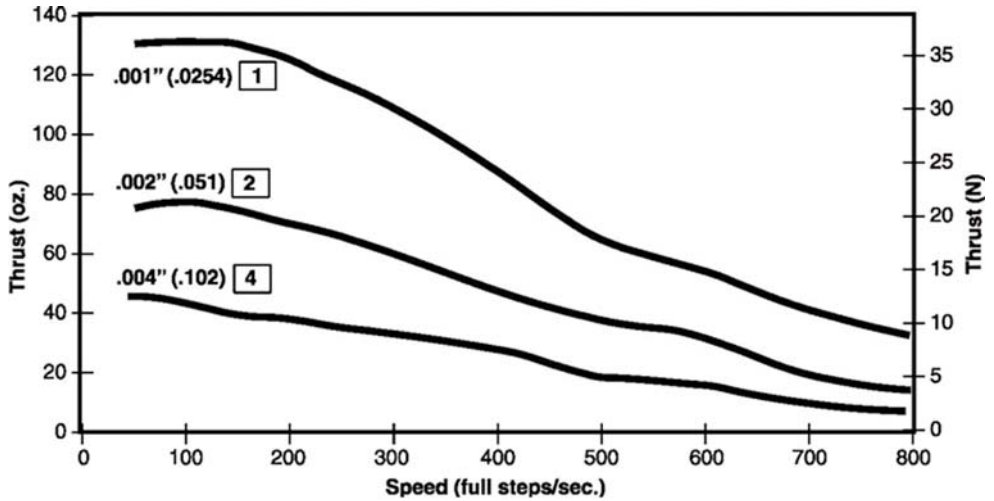
Step	Linear Travel (mm)	Order Code
15°	0.0254	1
	0.051	2
	0.102	4

# Can-Stack Linear Actuator Speed Curves

Series Z20000  
Ø20 mm

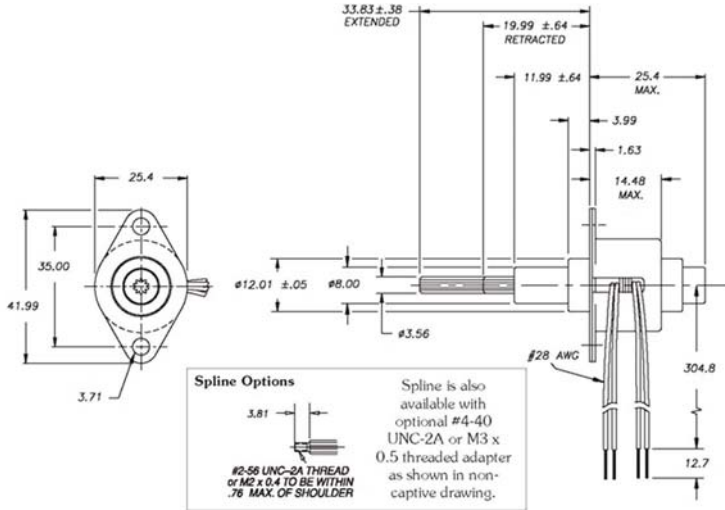


All dimensions in mm





All dimensions in mm



Part Number	Z2644X-V		Z2654X-V		Z2646X-V		Z2656X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	340mA	140mA	340mA	140mA	340mA	140mA	340mA	140mA
Resistance/Phase	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω
Inductance/Phase	8.5mH	55mH	6.7mH	44mH	4.3mH	24mH	3.4mH	19mH
Power Consumption	3.4W Total							
Rotor Inertia	1.4gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	34g							
Insulation Resistance	20MΩ							

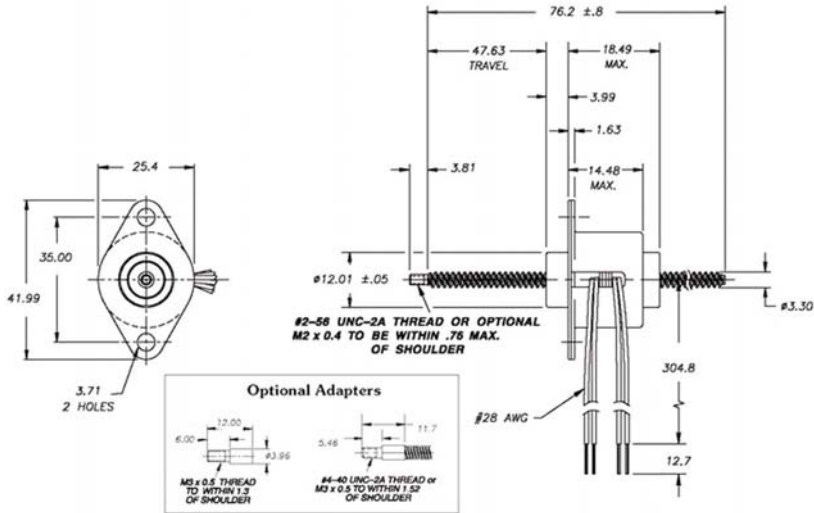
Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.04166	AS
	0.051	2
	0.102	4

# Can-Stack Linear Actuator Non-Captive Linear

Series Z26000  
Ø26 mm



All dimensions in mm

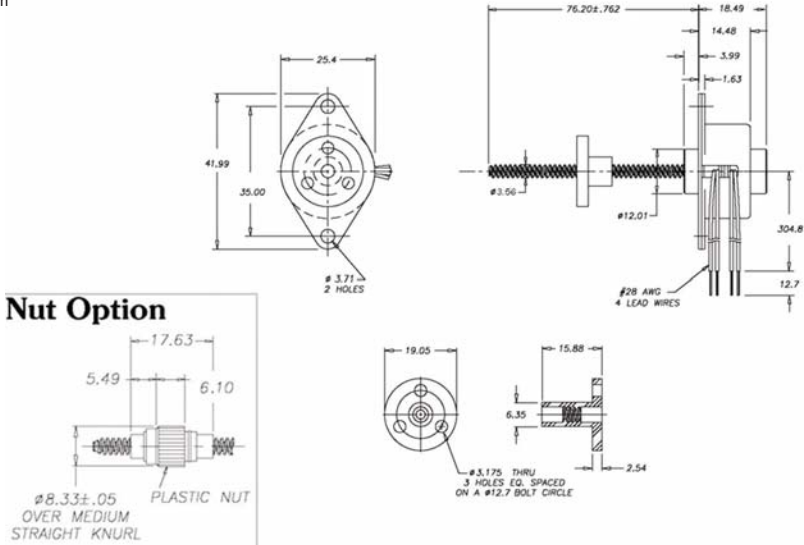


Part Number	Z2634X-V		Z2684X-V		Z2636X-V		Z2686X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	340mA	140mA	340mA	140mA	340mA	140mA	340mA	140mA
Resistance/Phase	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω
Inductance/Phase	8.5mH	55mH	6.7mH	44mH	4.3mH	24mH	3.4mH	19mH
Power Consumption	3.4W Total							
Rotor Inertia	1.4gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	34g							
Insulation Resistance	20MΩ							

Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.04166	AS
	0.051	2
	0.102	4



All dimensions in mm



Part Number	Z2644X-V-900		Z2654X-V-900		Z2646X-V-900		Z2656X-V-900	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	340mA	140mA	340mA	140mA	340mA	140mA	340mA	140mA
Resistance/Phase	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω	14.7Ω	84Ω
Inductance/Phase	8.5mH	55mH	6.7mH	44mH	4.3mH	24mH	3.4mH	19mH
Power Consumption	3.4W Total							
Rotor Inertia	1.4gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	34g							
Insulation Resistance	20MΩ							

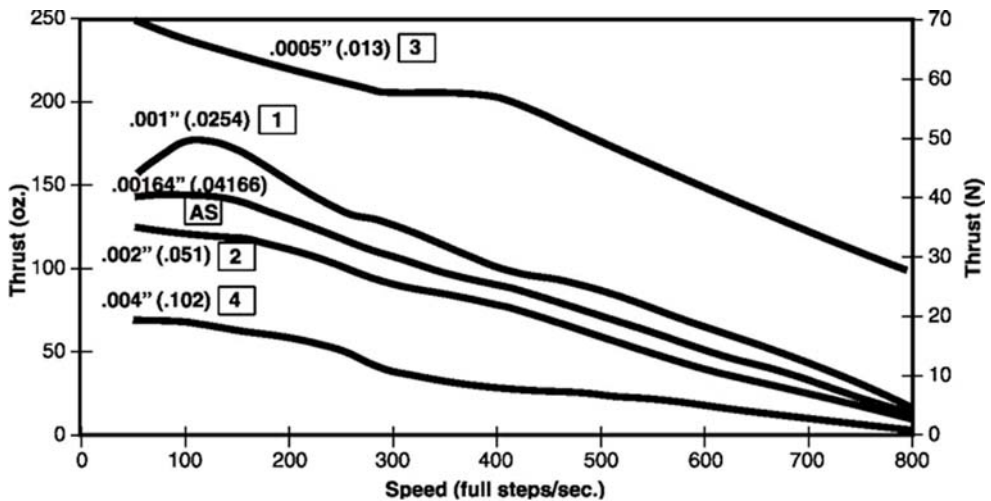
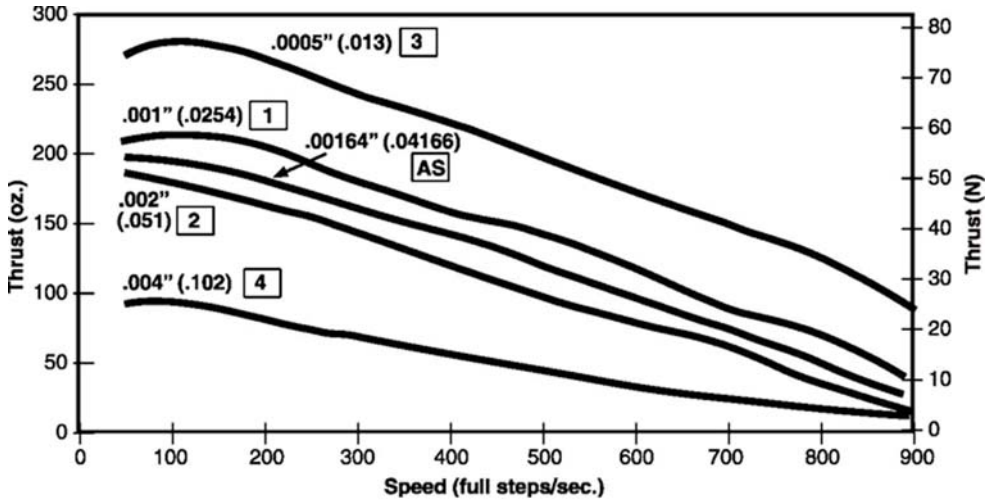
Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.04166	AS
	0.051	2
	0.102	4

# Can-Stack Linear Actuator Speed Curves

Series Z26000  
Ø26 mm

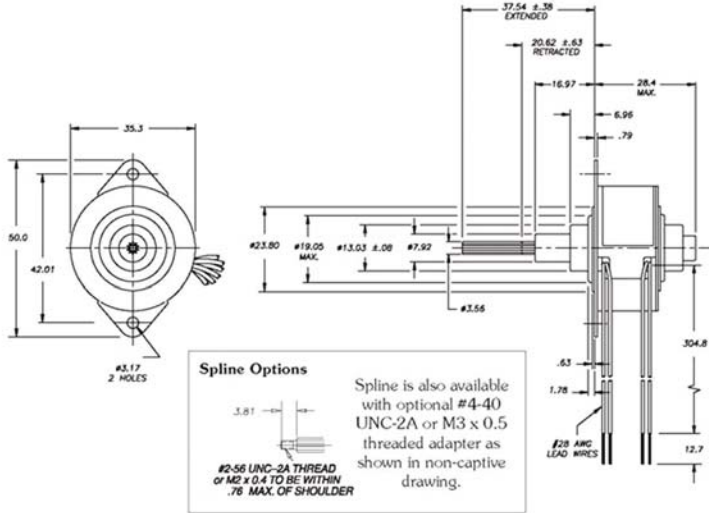


All dimensions in mm





All dimensions in mm



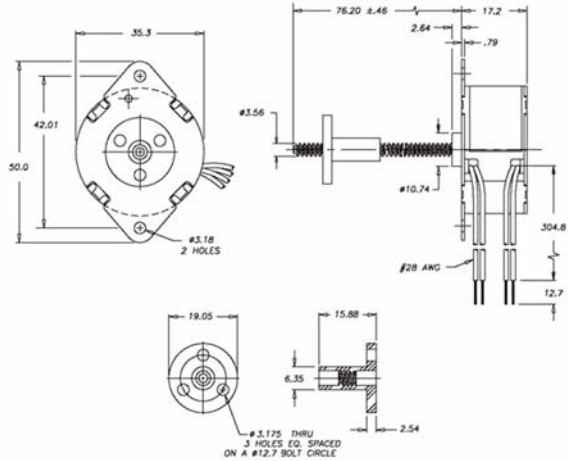
Part Number	3644X-V		3654X-V		3646X-V		3656X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	460mA	190mA	460mA	190mA	460mA	190mA	460mA	190mA
Resistance/Phase	11Ω	63Ω	11Ω	63Ω	11Ω	63Ω	11Ω	63Ω
Inductance/Phase	7.2mH	45mH	5.5mH	35mH	3.8mH	19mH	3mH	15mH
Power Consumption	4.6W Total							
Rotor Inertia	10.5gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	86g							
Insulation Resistance	20MΩ							

Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.051	2
	0.102	4

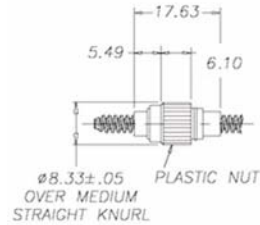




All dimensions in mm



### Nut Option



Part Number	E3644X-V		E3654X-V		E3646X-V		E3656X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	460mA	190mA	460mA	190mA	460mA	190mA	460mA	190mA
Resistance/Phase	11Ω	63Ω	11Ω	63Ω	11Ω	63Ω	11Ω	63Ω
Inductance/Phase	7.2mH	45mH	5.5mH	35mH	3.8mH	19mH	3mH	15mH
Power Consumption	4.6W Total							
Rotor Inertia	10.5gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	86g							
Insulation Resistance	20MΩ							

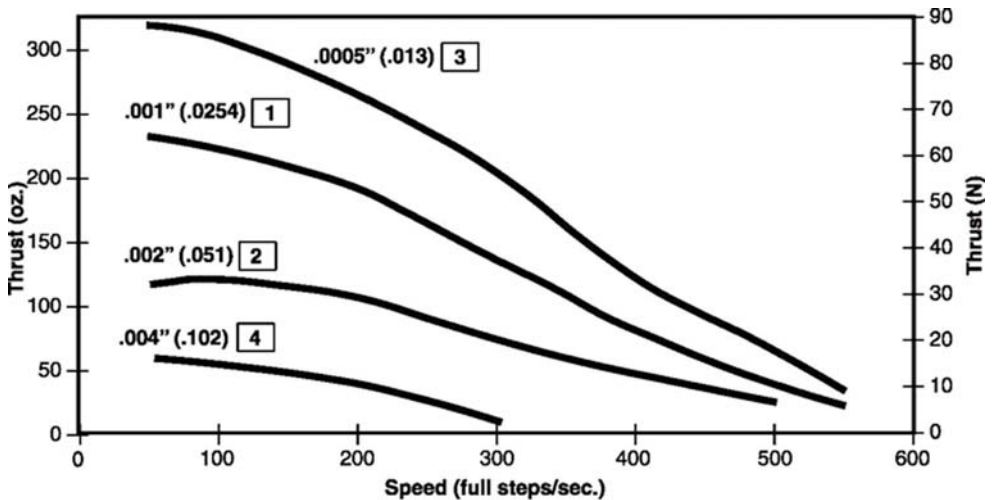
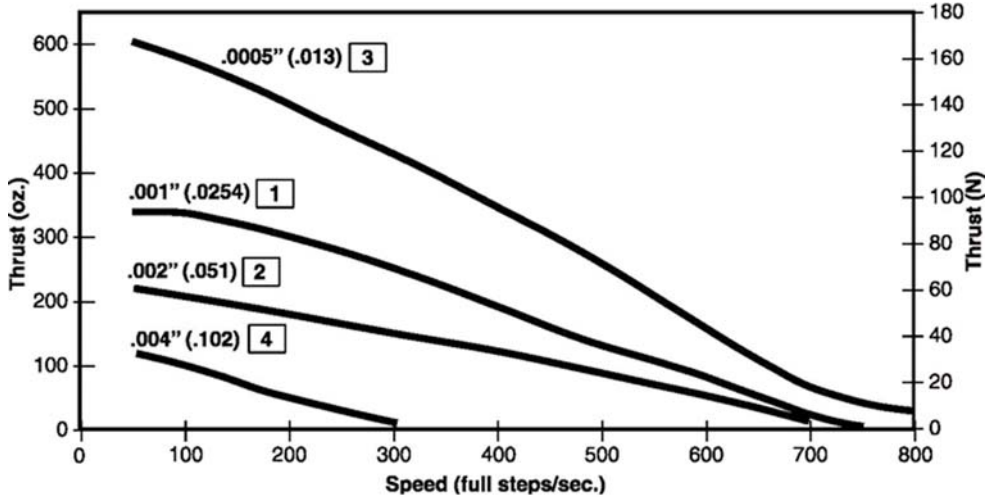
Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
15°	0.051	2
	0.102	4

# Can-Stack Linear Actuator Speed Curves

Series 36000  
Ø36 mm

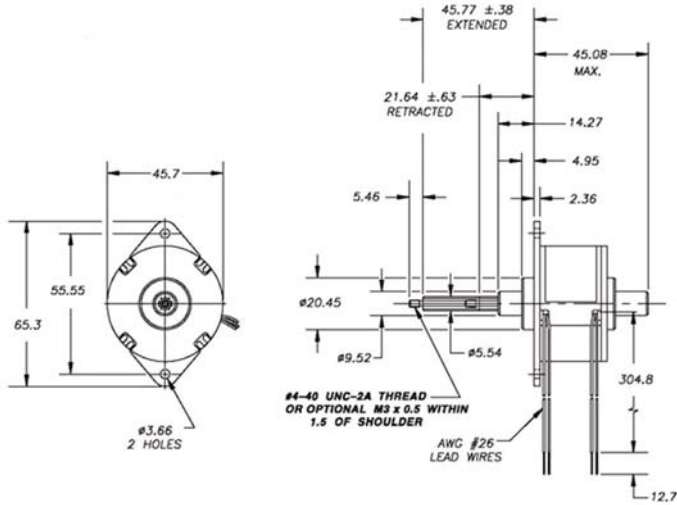


All dimensions in mm





All dimensions in mm



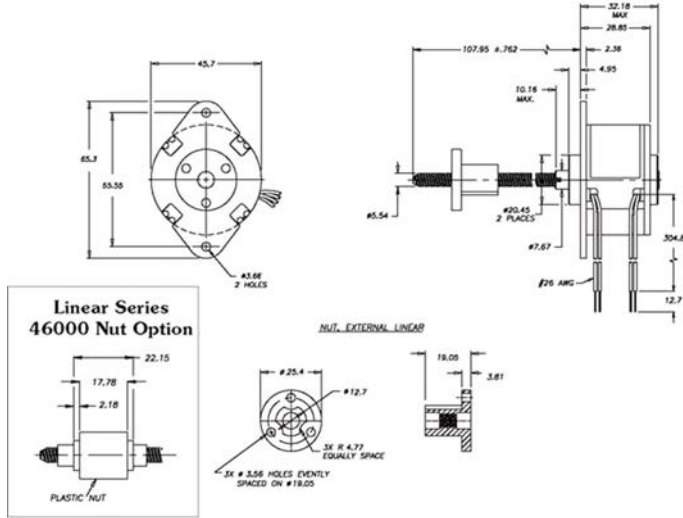
Part Number	4644X-V		4654X-V		4646X-V		4656X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1A	0.41A	1A	0.41A	1A	0.41A	1A	0.41A
Resistance/Phase	5Ω	29Ω	5Ω	29Ω	5Ω	29Ω	5Ω	29Ω
Inductance/Phase	9mH	52mH	7.1mH	39mH	4.5mH	26mH	3.5mH	20mH
Power Consumption	10W Total							
Rotor Inertia	25.0gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	255g							
Insulation Resistance	20MΩ							

Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
	0.102	4
	0.203	8
15°	0.102	4
	0.203	8
	0.406	G





All dimensions in mm



Part Number	E4644X-V		E4654X-V		E4646X-V		E4656X-V	
Step Angle	7.5°		15°		7.5°		15°	
Wiring	Bipolar				Unipolar			
Operating Voltage	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC	5VDC	12VDC
Current/Phase	1A	0.41A	1A	0.41A	1A	0.41A	1A	0.41A
Resistance/Phase	5Ω	29Ω	5Ω	29Ω	5Ω	29Ω	5Ω	29Ω
Inductance/Phase	9mH	52mH	7.1mH	39mH	4.5mH	26mH	3.5mH	20mH
Power Consumption	10W Total							
Rotor Inertia	25.0gcm <sup>2</sup>							
Temperature Rise	75°C Rise							
Weight	255g							
Insulation Resistance	20MΩ							

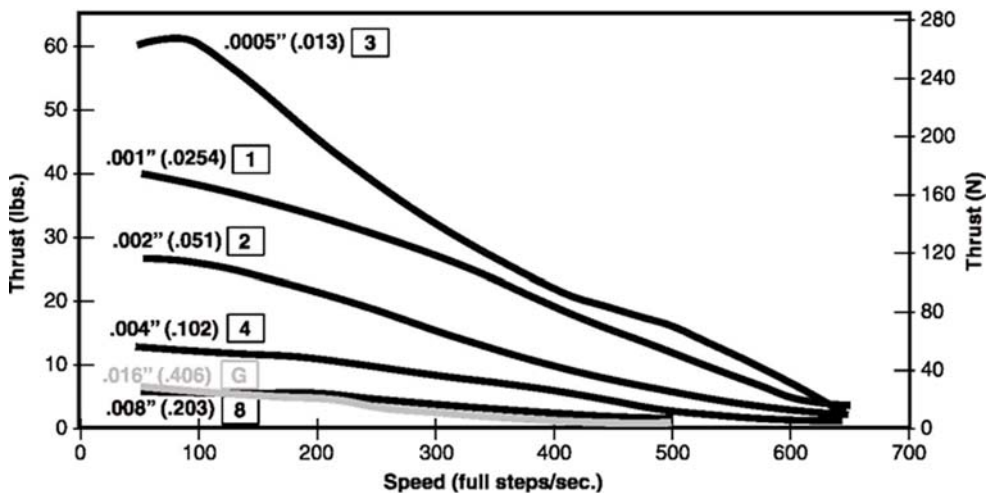
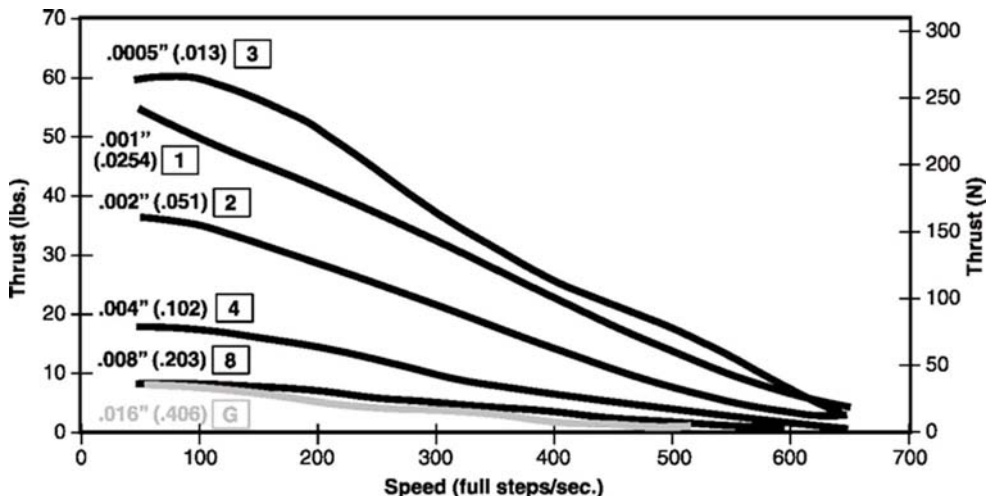
Step	Linear Travel (mm)	Order Code
7.5°	0.013	3
	0.0254	1
	0.051	2
	0.102	4
	0.203	8
15°	0.102	4
	0.203	8
	0.406	G

# Can-Stack Linear Actuator Speed Curves

Series 46000  
Ø46 mm



All dimensions in mm





# Reliance<sup>®</sup>

## Precision Mechatronics LLP

Precision Motion Control Components & Mechatronic Assemblies

Rowley Mills, Penistone Road, Lepton  
Huddersfield, HD8 0LE, England.

Tel: +44 (0) 1484 601002

Fax: +44 (0) 1484 601061

[www.rpmechatronics.co.uk](http://www.rpmechatronics.co.uk)

e-mail: [sales@rpmechatronics.co.uk](mailto:sales@rpmechatronics.co.uk)

Oct 2010