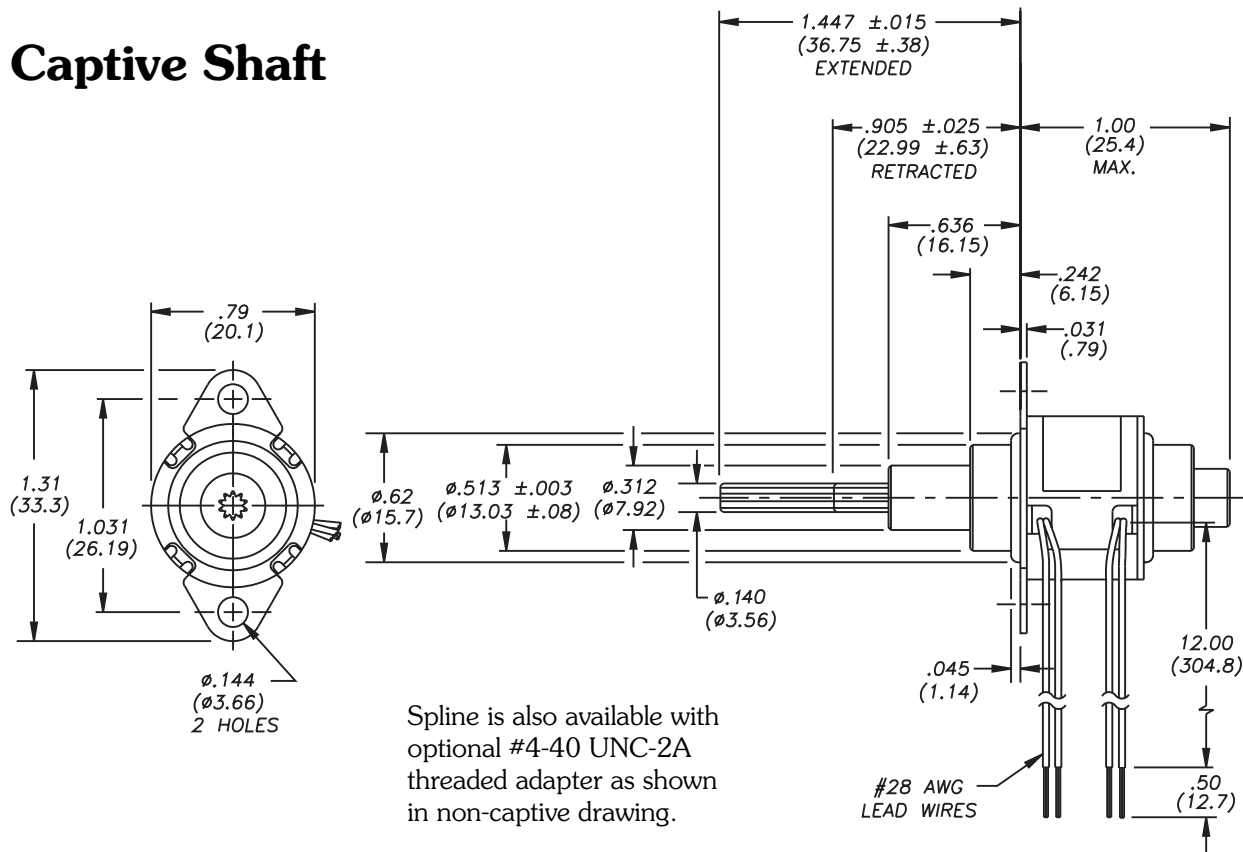


Ø 20 mm (.79") motor		
Wiring		Bipolar
Part No.	Captive	2054X-V
	Non-captive	2084X-V
Step angle		15°
Travel/Step avail.		.001"* , .002" , .004"
Operating voltage		5 VDC 12 VDC
Current/phase		270 mA 113 mA
Resistance/phase		18.5 Ω 106 Ω
Inductance/phase		5.5 mH 32 mH
Power consumption		2.7 W
Rotor inertia		0.5 gcm ²
Temperature rise		167°F (75°C)
Weight		1 oz (28 g)
Insulation resistance		20 MΩ

Page 1 of 4 HAYDON SWITCH & INSTRUMENT MOTORS / 20000 (CAT. REF. 21)

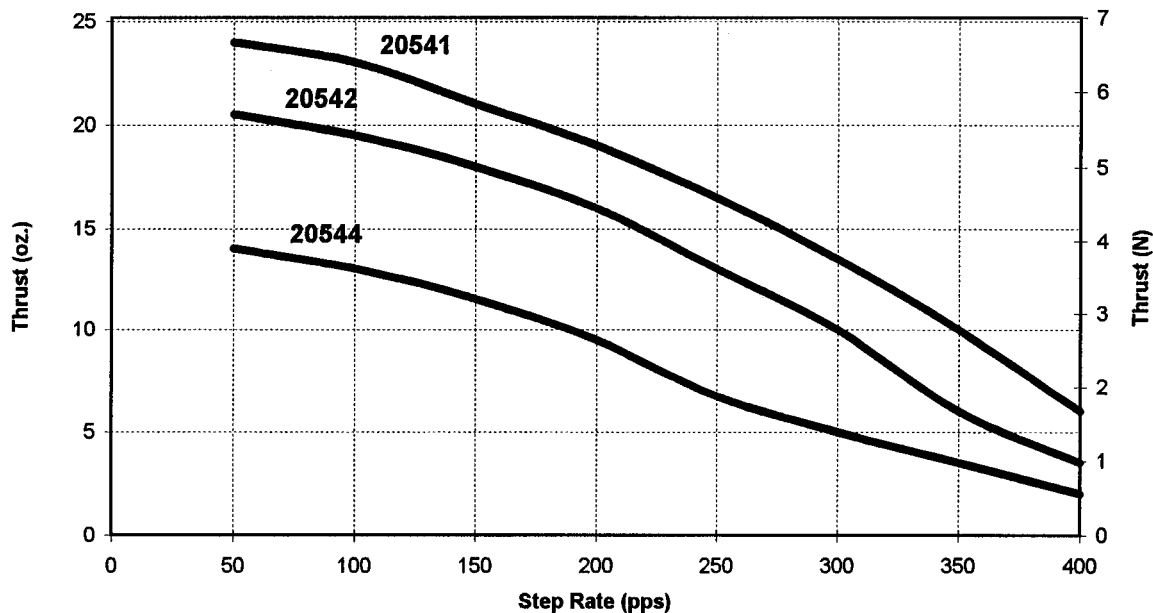
Linear Series 20000 Dimensional Drawings

Captive Shaft



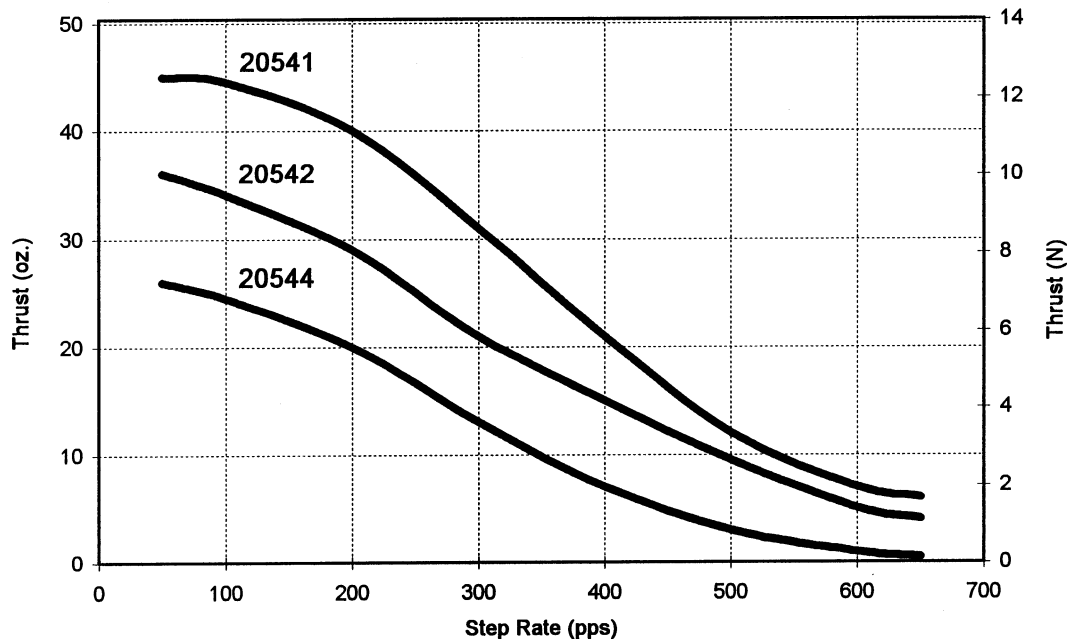
Linear Series 20000 Step Rate vs. Thrust Curves

Bipolar • L/R Drive • 100% Duty Cycle



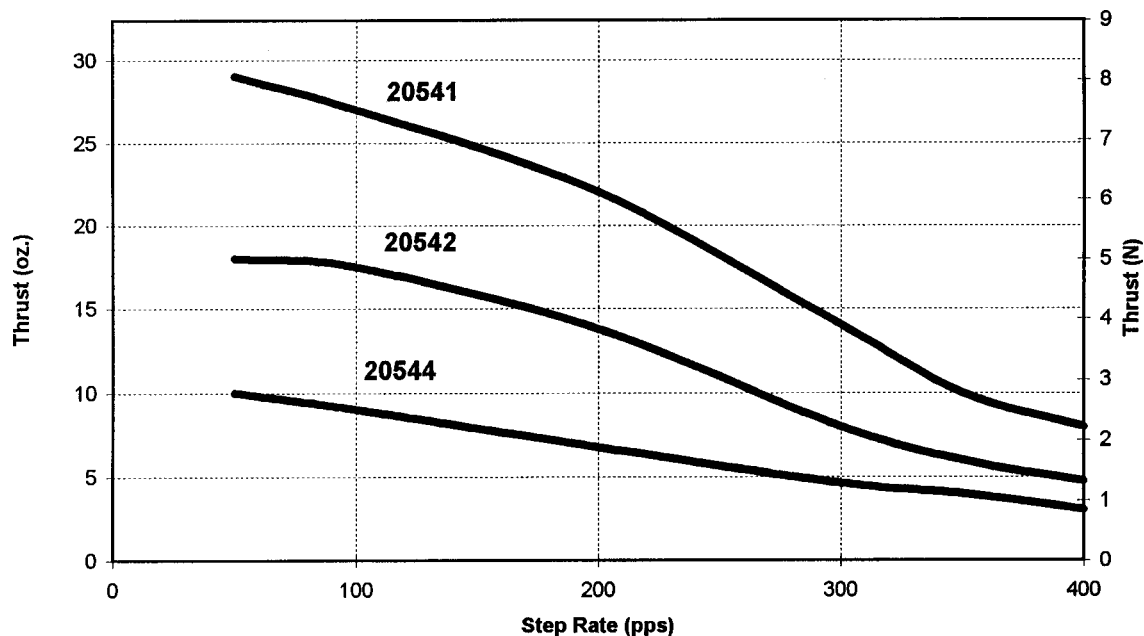
Bipolar • L/R Drive • 25% Duty Cycle

25% duty cycle is obtained by a special winding or by running a standard motor at double the rated voltage.



Linear Series 20000 Step Rate vs. Thrust Curves

Bipolar • Chopper Drive • 100% Duty Cycle



Bipolar • Chopper Drive • 25% Duty Cycle

25% duty cycle is obtained by running a standard motor at double the rated current.

