Digital linear actuators

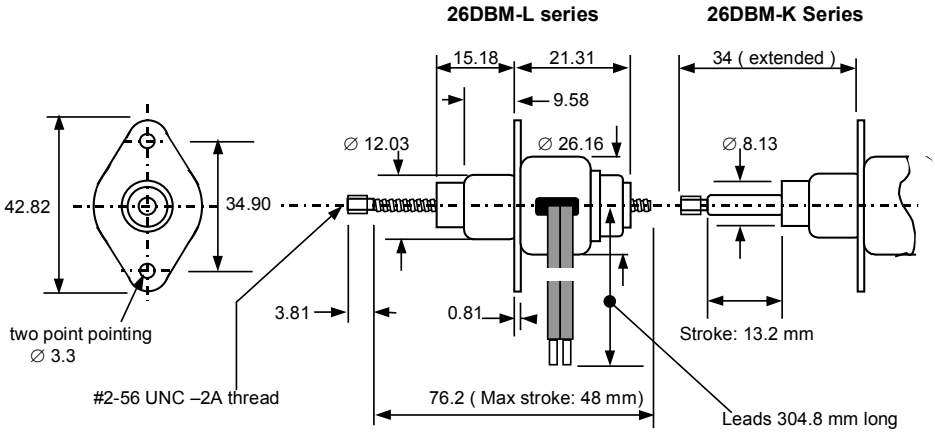
26DBM series DLA's

The 26DBM series comprise two versions. Both types are based on 4 phase permanent magnet stepper motor technology and utilise a rotor with an internal thread to provide linear motion via a leadscrew.

The **L series** are provided with a leadscrew which may be attached to the driven mechanism. When the leadscrew is prevented from rotating the operation of the motor imparts linear motion to the screw. The maximum travel of the mechanism is 48 mm although optional 300 mm long leadscrews may be purchased for an increased travel distance of 260 mm.

The **K series** incorporate a keyway in the actuator's output slideway thereby providing the spindle with linear motion. This design is ideal for driving spring loaded mechanisms over a maximum travel distance of 13 mm.

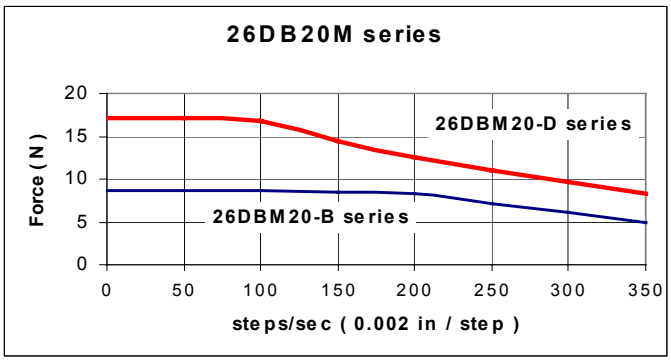
Dimensions mm:

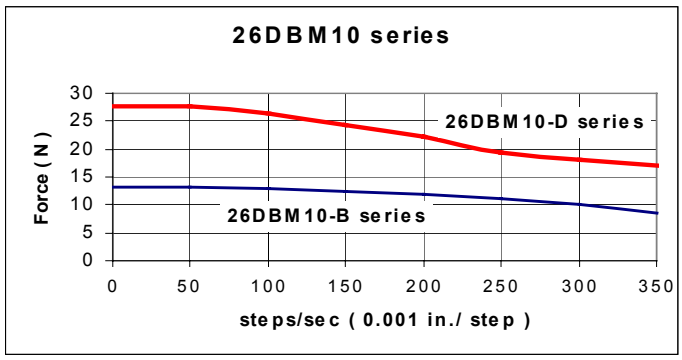


New options

100% increased force compared with 92100 series

Performance:





Specification for uni-polar types

Model	Nominal Voltage Vdc	Linear travel per step ins. (mm)	Maximum travel mm	Maximum Force N	Min. de-energised holding Force N	Nearest equivalent in 92100 series
26DBM20B1U-	5	0.002 (0.0508)	13.2 - K series 48 - L series	8.9	2.8N	92121-P1
26DBM20B2U-	12					92121-P2
26DBM20D1U-	5			17.8	8.3	
26DBM20D2U-	12					
26DBM10B1U-	5	0.001 (0.0254)	13.2 - K series 48 - L series	13.3	13.9	92111-P1
26DBM10B2U-	12					92111-P2
26DBM10D1U-	5			28.1	27.8	
26DBM10D2U-	12					

Insert '**K**' for keyway version Insert '**L**' for leadscrew version

Electrical Characteristic:

Coil Data:	1U (5V)	2U (12V)
Resistance per phase	14.6 Ohm	84 Ohm
Inductance per phase	5.2 mH	27.5 mH