

Magnetic Particle Brake
NBS-5 & NBS-10

TB800 Booster Amplifier

Magnetic Particle Brake

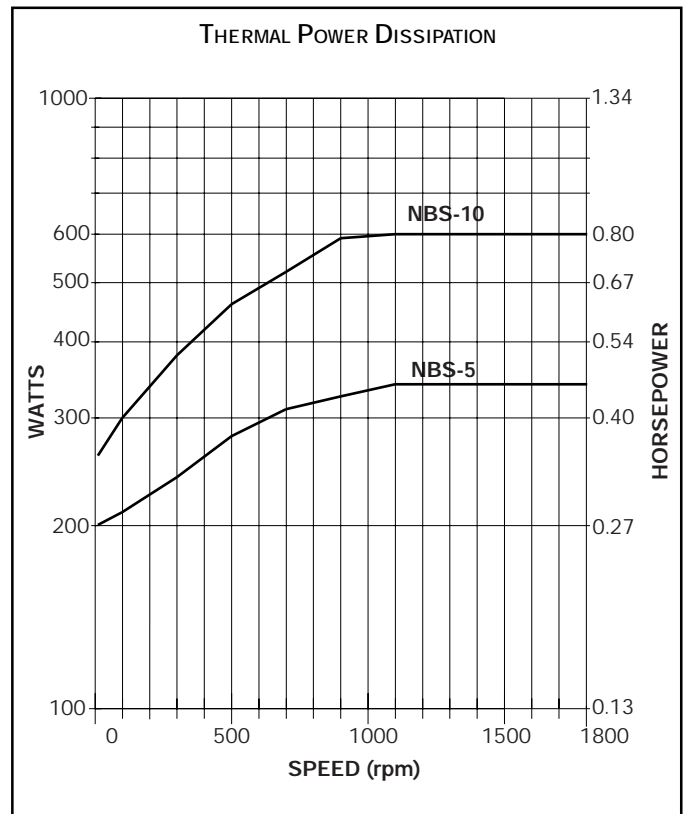
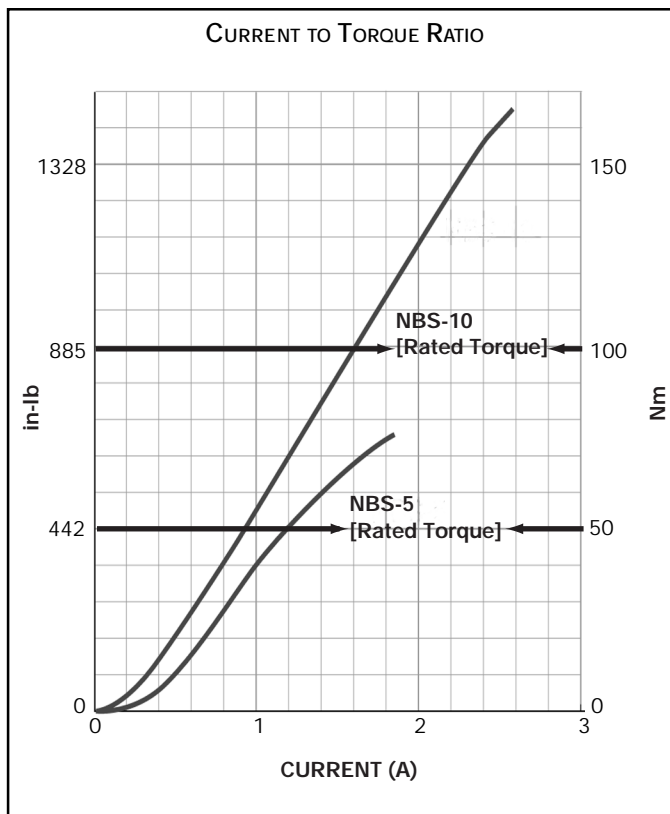
Designed for use in web tension control, the NBS-5 and NBS-10 Magnetic Particle Brakes provide very broad torque ranges for maximum flexibility. They use magnetic powder as the medium for transmitting torque, and control the torque by varying the input current supplied to the brake's coil. This ensures stable torque output throughout the life of the product and a long service life from the magnetic powder charge.

› Features

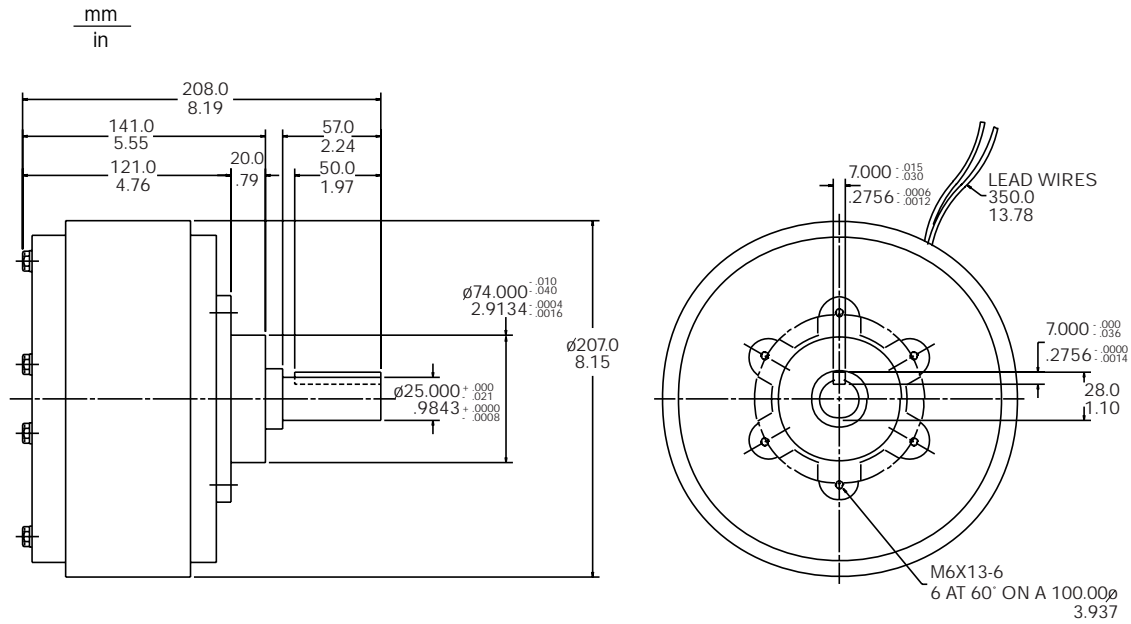
- Torque output directly controlled with input current signal
- Magnetic particle design uses no friction facings
- Very low operating noise
- Speed changes do not affect torque output and thus web tension

› Benefits

- Precise and very linear tension control
- Dust-free operation
- No noise pollution in the operating area
- Constant tension regardless of speed changes

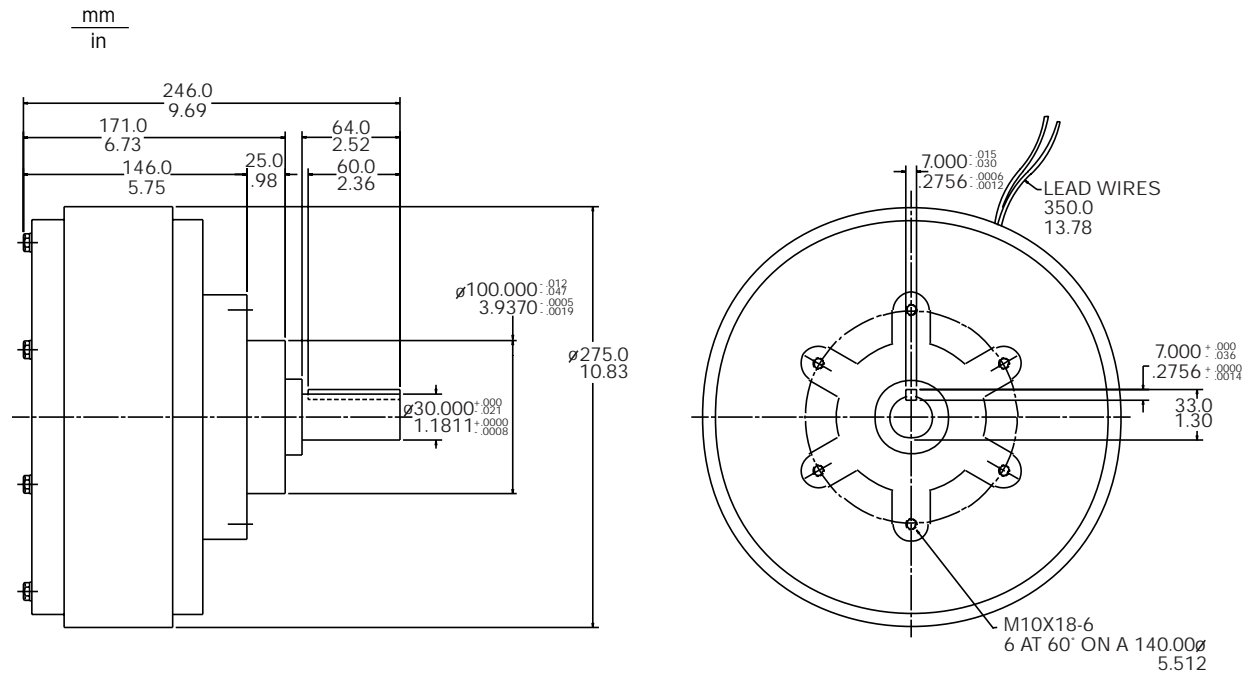


NBS-5, Approximate Dimensions



Model	Product Number	Rated Torque	Max rpm	Rotor Inertia	Shipping Weight
NBS-5	911540	442 in-lb [50 Nm]	1800	0.4 lb-ft ² [1.5x10 ⁻² kg-m ²]	32 lbs [14.5 kg]

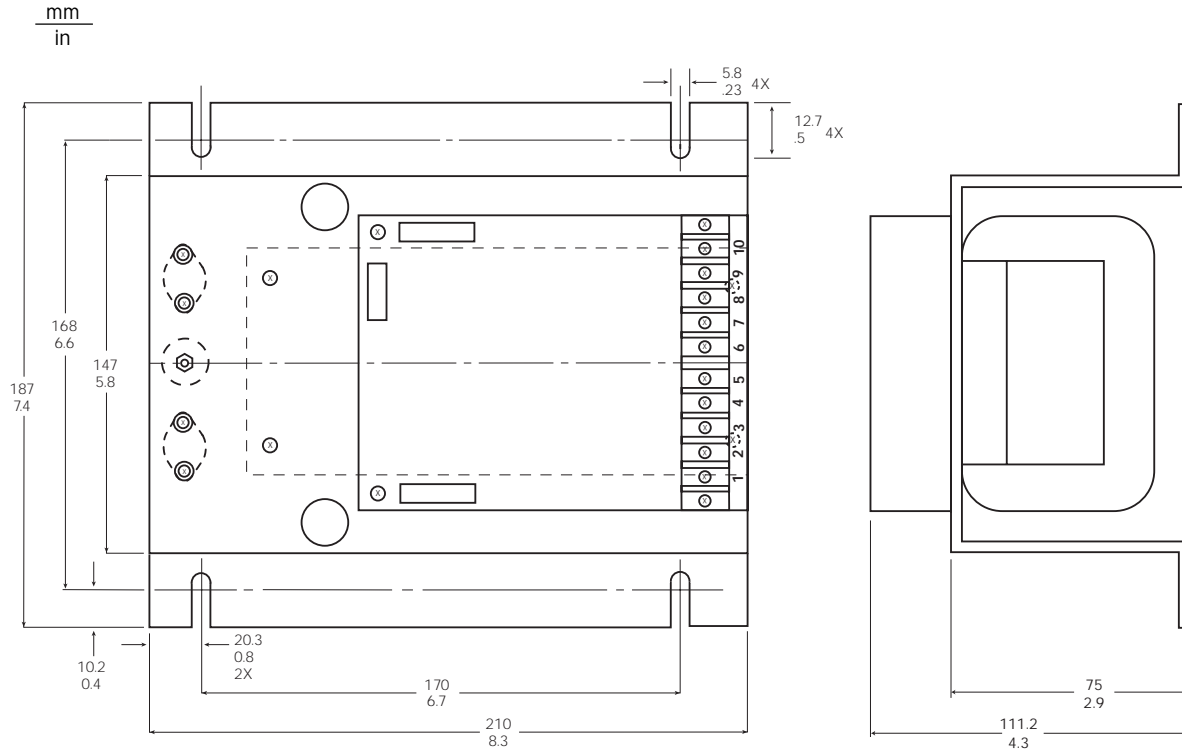
NBS-10, Approximate Dimensions



Model	Product Number	Rated Torque	Max rpm	Rotor Inertia	Shipping Weight
NBS-10	911541	885 in-lb [100 Nm]	1800	1.1 lb-ft ² [4.5x10 ⁻² kg-m ²]	70 lbs [32 kg]

TB800 Booster Amplifier, Approximate Dimensions

The TB800 Booster Amplifier converts a 0 to 10 VDC input from a control instrument into the current signal needed to control the NBS-5 and NBS-10 brakes.



Model	Product Number	Input Signal	Output Signal	Power Supply	Shipping Weight
TB800	911542	0-10 VDC*	24 VDC; 0-6 A	100, 110, 200, or 220 VAC, 50/60 Hz	15 lbs [6.8 kg]

* TB800 is factory calibrated for 0-10 VDC, however, input voltage ranges down to 0-5 VDC can be used.

In accordance with Nexen's established policy of constant product improvement, the specifications contained in this document are subject to change without notice. Technical data listed in this document are based on the latest information available at the time of printing and are also subject to change without notice. For current information, please consult www.nexengroup.com

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