

Brushless DC Slotless Flat Motors 26BF-2A nuvoDisc™



Dynamic Motion Profile and Excellent Speed-Torque Capabilities in a Flat Architecture

Featuring a diameter of 26mm and a body length of 11mm, the 26BF-2A brushless slotless flat motor delivers a dynamic motion profile, excellent speed-torque performances, and high-power density in a flat, compact architecture. It is also able to deliver a max continuous torque up to 3.5mNm and speeds up to 12k rpm.

The internal integrated electronics of the 26BF-2A ensure that this motor is a plug-and-play solution characterized by lower installation time and lesser system complexity. Its front ball bearing assembly is a second standout feature, as it is 1-2mm larger than most of the standard options available in the market, thus helping the motor withstand higher axial and radial loads.

The 26BF-2A is designed for space-constrained applications that focus on high speed and low-to-medium torque performance capabilities. These include premium tattoo machines, LiDAR, and PAPR (powered air purifying respirator) devices.

Key Features

- Disc magnet technology provides dynamic motion
- Integrated electronics
- Larger front ball bearing assembly
- 26mm diameter with 11 mm body length
- Max continuous torque of 3.5mNm
- Speeds up to 12k rpm

Applications

- Premium tattoo machines
- LiDAR
- PAPR

Customization

- Connectors
- Custom shafts - flats, knurling, diameter, length
- Coil modifications - resistance and inductance
- Different optimizations - speed or direction
- Without hall sensors

✓ Larger front ball bearing assembly

✓ Max continuous torque up to 3.5mNm

✓ Speeds up to 12,000 rpm

