

## **20DBM Can Stack Linear Actuator Provides Exceptional Performance**

Portescap introduces the next generation of high power density Can Stack Linear Actuators, the 20DBM. These 20 mm [linear stepper motors](#) offer an optimized design ideal for applications demanding high linear force. The new 20DBM features an optimized magnetic circuit which provides improved performance over existing designs.

The 7.5 deg step angle provides finer incremental movement with a high degree of accuracy and repeatability. With maximum holding force up to 50N, the 20DBM actuators are ideally suited for use in applications such as electronic pipettes, medical and non-medical analyzers, XY stages and valve actuators.

Our fully customizable 20DBM actuators are powered by high energy neodymium magnets, optimized electromagnetic circuit and patent pending bearing preload design which ensures exceptional performance in a small package. Component standardization and design modularity ensures quick customization capability for samples across various applications. Standard configurations can be delivered with maximum one week lead-time.

20DBM is available in Captive and Non-Captive versions with various leadscrew pitch options on our online motor selection tool, MotionCompass™. They are manufactured in an ISO certified facility and are RoHS compliant.

	Max holding force (N) Energized	Rotor Axial Play (mm)	Input Power (Watt)
Portescap	50	< 0.03	2.9
Comparative Linear Actuators	43	> 0.05	3.4

### **About Portescap**

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless [brush DC](#), [brushless DC](#), stepper can stack, gearheads, digital linear actuators, and disc magnet technologies. Portescap products have been serving diverse motion control needs in wide spectrum of medical and industrial applications - medical, life science, instrumentation, automation, aerospace and commercial applications, for more than 70 years.

Portescap has manufacturing centers in the United States, St. Kitts, and India, and utilizes a Global Product Development network with research and development centers in the United States, China, India, and Switzerland.

