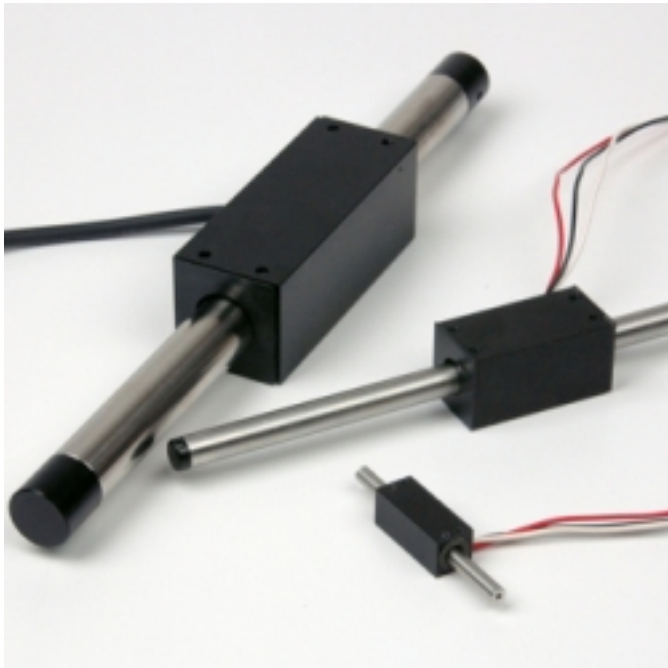


Linear Shaft Motor



Available from Nippon Pulse is its S605 Linear Shaft Motor which offers up to 3100N of acceleration force and a continuous force of 780N. The S605 Linear Shaft Motor is ideal for industrial applications requiring high force, high precision, energy efficiency, and/or high precision. The motor, because of the simple nature of its structure can achieve sub-micron resolution.

Available with one of three types of windings (double, triple, quadruple), the S605 has an acceleration force range between 1000N and 3100N and an acceleration current between 34 and 35A. Acceleration force and current can be maintained for up to 40 seconds.

The S605 Linear Shaft Motor has a shaft diameter of 60.5mm and is available with effective strokes between 200 and 2000mm. Other features of the S605 include continuous forces between 420 and 780N, continuous currents between 8.4 and 8.8A, a non-critical air gap of 1.75mm, and a rated voltage of 240V.

The first linear servomotor designed for the ultra-high precision market, the Linear Shaft Motor is available in 18 different sizes, ranging from 4mm to 60.5mm. Because of its simple structure, the Linear Shaft Motor has no cogging issues, offers stiffness up to 100 times greater than similar motors, uses all created magnetic flux, and minimizes heat generation. As a result, independent studies have proven the Linear Shaft Motor to be 50 percent more energy efficient than competing linear motors, including u-shaped motors.

Nippon Pulse America Inc.

540-633-1677; www.nipponpulse.com [1]

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