Elektrische Automatisierungs– und Antriebstechnik

EAAT GmbH Chemnitz

Linear Direct Drive

Description

Highly dynamic linear motors series with unparalleled positioning precision and the possibility for synchronization of several motors.

- Overload capacity up to ~5 times the rated current
- robust mechanical guidance of the secondary
- Measuring system with 1 micron resolution

Possible use

- Testing machines for high forces and strokes (in special cases up to 100mm)
- Machine tools with high accelerations
- Special machines with high demands on the uniformity of movement without cogging force ripple, as well as no load on the mechanical guidance

Technical Data					
Type			**Z 27-324 SL**	**Z 55.5-333 SL**	**Z 55.5-499.5 SL**
Peak Force	F_{max}	N	2000	5500	8000
Nominal Force	F_N	N	500	1100	2000
Maximum Current	I_{max}	A	19	33	29
Nominal Current	I_N	A	4,6	6,5	7,2
Length	l_p	mm	510	520	680
Diameter	d_p	mm	140	224	224

EAAT GmbH Chemnitz, Gottfried-Schenker-Straße 4, 09244 Lichtenau

Tel.: +49 37208 2824 00, Fax: +49 37208 2824 01, Email: info@eaat.de, Internet: www.eaat.de