

Linear Direct Drive Type Z27 / Z55

Description

A highly dynamic linear motor series with very high positioning accuracy and the possibility of synchronizing 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