

## DYNALINE® SA – Servo Drives

Servo drives with linear actuators are designed and manufactured from Compact Dynamics in accordance to customer demands in the design of „moving magnets“, that means the magnets are in the armature.

As development partner we demonstrate with prototype systems the technical feasibilities with highest density of performance and dynamic.

Mostly magnets from samarium cobalt or neodym iron are used.

Linear actuators can be single and double phase, depending on the priorities performance weight, maximum force and positioning accuracy.

### Technical Datas

measures:	350 x 120 x 65 mm
nominal voltage:	24 – 400 V
stroke:	150 mm
constant force:	600 N
frequency of strokes:	28 Hz
acceleration:	2.300 m/s <sup>2</sup>
maximum speed:	15 m/s
position measuring:	integrated and with high resolution

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Compact Dynamics has experience with linear actuators with strokes from smaller than 1 mm up to 150 mm, positioning speeds up to 15 m/s and positioning accuracy with 0,02 mm.

Dimensioning with FEM- calculation as well as designing is made by ourselves. The components will be manufactured by us or by qualified sub-suppliers. Assembling, initial operation and demonstration of the agreed performance datas on the test bench are made at Compact Dynamics site.

Our customers take over the technology results into their own product lines or they are engaging us with small serial production.

