

Elevation Tracking



SEA Series



Solar Energy Actuators series

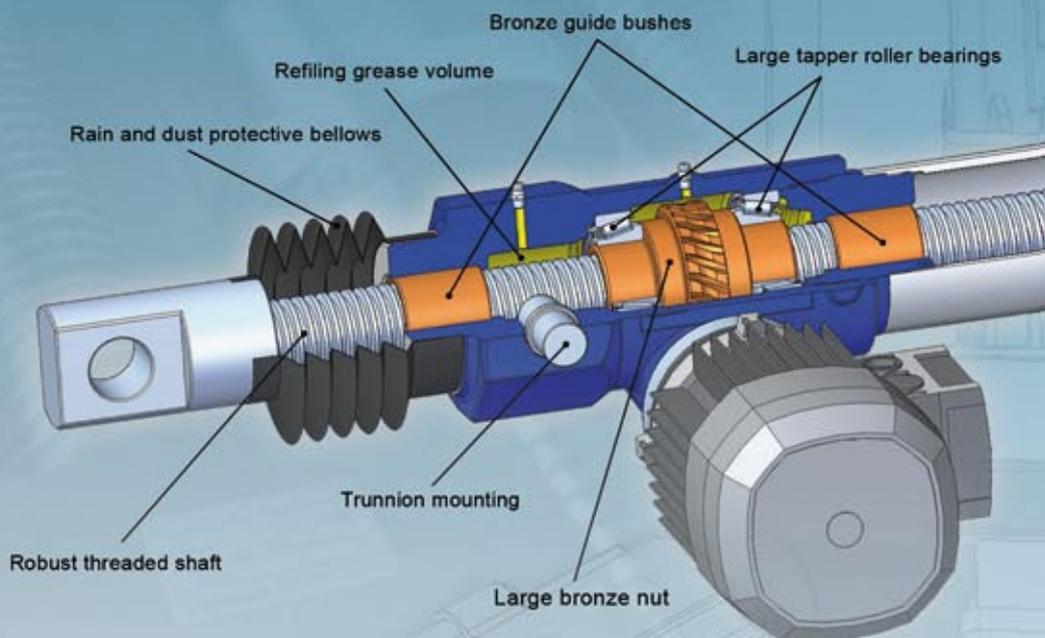
New series of actuators designed for elevation tracking in photovoltaic power plants. Thanks to their peculiar design, construction materials and inner features the SEA linear actuators are successfully applied in photovoltaic panels installation with surface from 50 to 300 m².

SEA linear actuators are robust products designed and produced for strong wind conditions. Conceived and engineered to work outdoor in hostile environments.

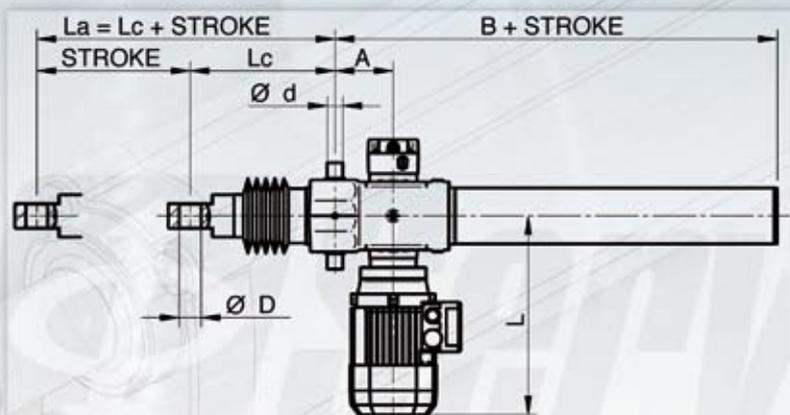
Produced using UV resistant materials. Long operational life with high reliability. Maintenance free. **Warranty up to 10 years.**

Main Features

- 3 sizes available
- Dynamic load capacity from 10 up to 100 kN
- Linear speeds from 1 mm/s up to 7 mm/s
- Stroke lengths up to 1.500 mm
- Self enclosed limit switches
- Positioning control via incremental bi-directional encoder
- Available with either AC or DC motors
- UV resistant materials
- Self-locking
- Maintenance free
- Warranty up to 10 years



SIZE	ACME SCREW	Ratio RN	Ratio RL	Load capacity against wind force			AC 4-pole motor standard	AC 4-pole motor on request
				Capacity [kN]	Safety factor against backling	Max. stroke length [mm]		
SEA 40	Tr 30x6	1 : 25	1 : 48	25	1	1000	0.18 kW	0.37 kW
SEA 50	Tr 40x7	1 : 24	1 : 44	50	1	1200	0.37 kW	0.75 kW
SEA 63	Tr 60x12	1 : 28	1 : 40	100	1.5	1500	0.75 kW	1.5 kW



SIZE	Lc	A	B	Ø d	Ø D
SEA 40	280	78	259	20	25
SEA 50	304	93	307	25	35
SEA 63	314	120	351	40	50

Lc values are referred to STROKE = 1000 mm.

SIZE	L (standard motor)	L (motor on request)
SEA 40	262	353
SEA 50	317	411
SEA 63	335	475

All dimension values are expressed in millimetres.