

Elevation Tracking



SEA Series



Solar Energy Actuators series

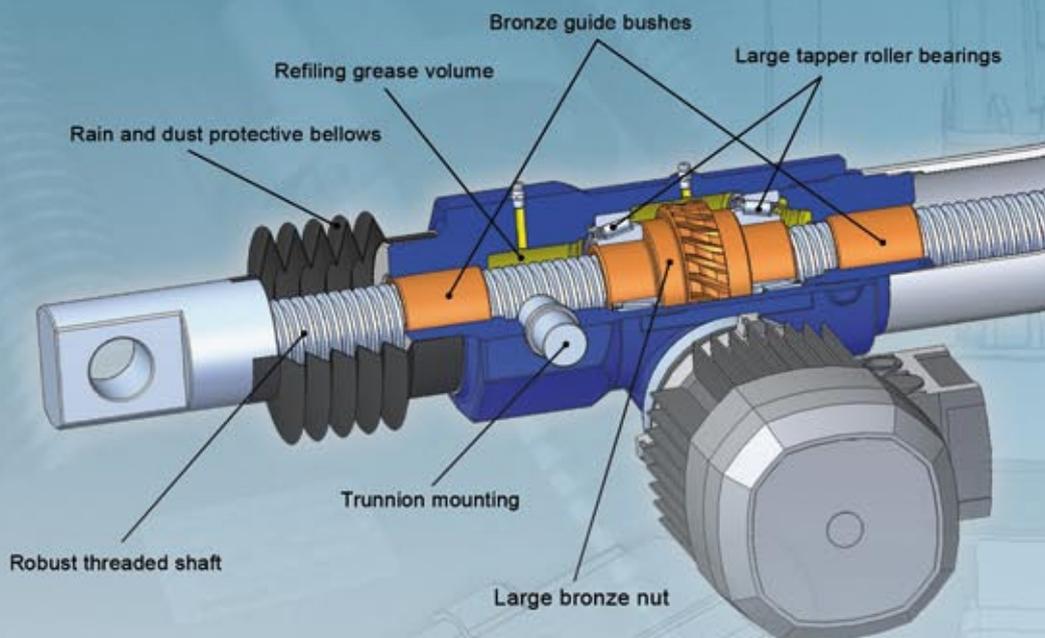
New series of actuators designed for elevation tracking in photovoltaic power plants. Thanks to their peculiar design, construction materials and inner features the SEA linear actuators are successfully applied in photovoltaic panels installation with surface from 50 to 300 m².

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

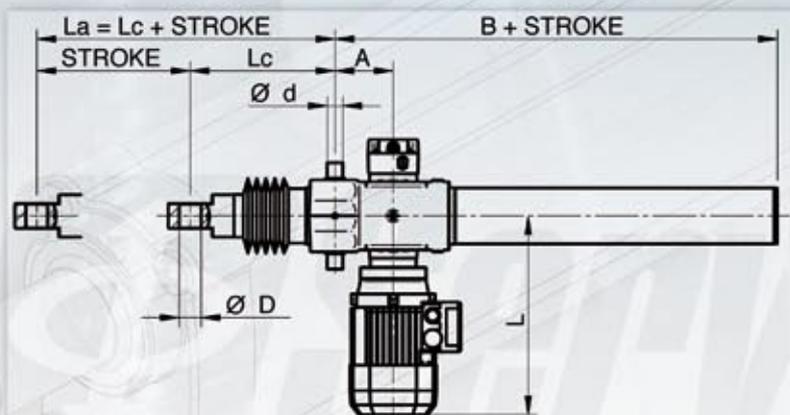
Produced using UV resistant materials. Long operational life with high reliability. Maintenance free. **Warranty up to 10 years.**

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 |



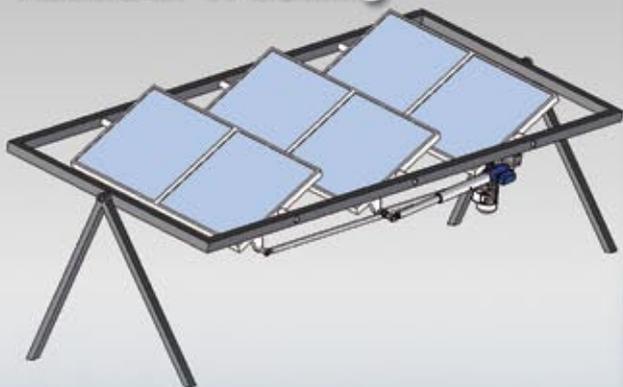
| SIZE | Lc | A | B | Ø d | Ø D |
|--------|-----|-----|-----|-----|-----|
| SEA 40 | 280 | 78 | 259 | 20 | 25 |
| SEA 50 | 304 | 93 | 307 | 25 | 35 |
| SEA 63 | 314 | 120 | 351 | 40 | 50 |

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.

Azimuth Tracking



CLA Series

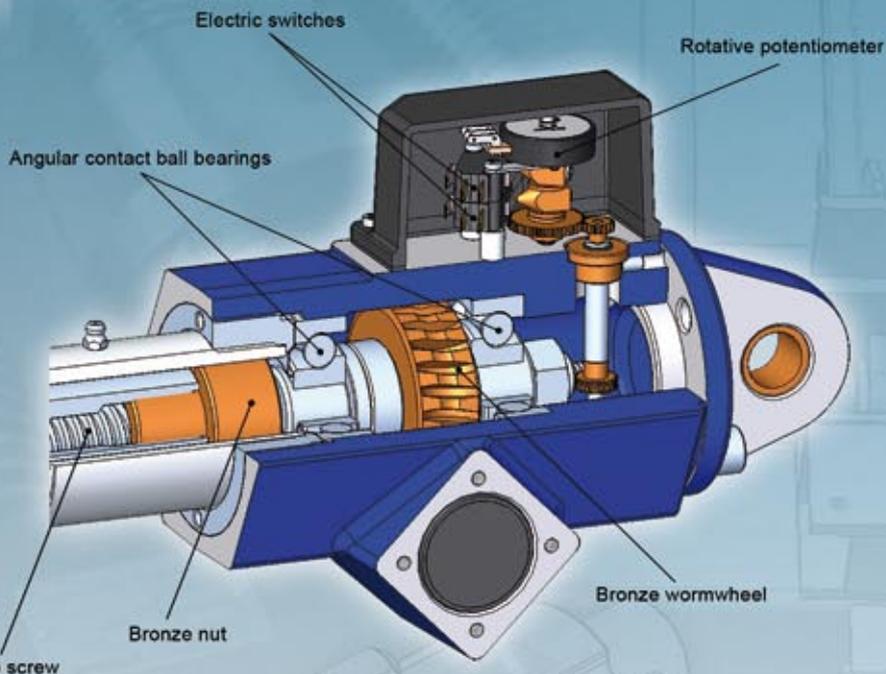


Compact Linear Actuators series

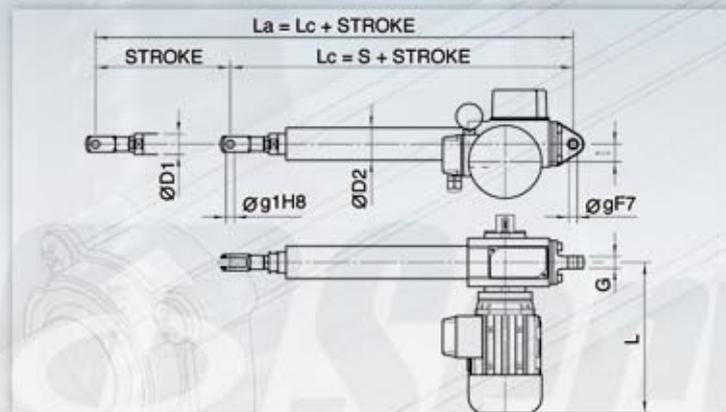
New series of actuators designed for azimuth tracking in photovoltaic power plants. Thanks to their peculiar design, construction materials and inner features the CLA linear actuators are successfully applied in photovoltaic panels installation with surface from 12 to 250 m². CLA linear actuators are 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

- 4 sizes available
- Dynamic load capacity from 5 up to 25 kN
- Linear speeds from 1 mm/s up to 7 mm/s
- Stroke lengths up to 1.000 mm
- Self enclosed limit switches
- Positioning control via rotative potentiometer
- Available with either AC or DC motors
- UV resistant materials
- Self-locking
- Maintenance free
- Warranty up to 10 years



| SIZE | ACME SCREW | Ratio RL | Ratio RXL | 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] | | |
| CLA 25 S | Tr 16x4 | 1 : 25 | 1 : 50 | 10 | 1 | 600 | 0.09 kW | 0.18 kW |
| CLA 30 | Tr 18x4 | 1 : 24 | 1 : 34 | 15 | 1 | 700 | 0.18 kW | 0.37 kW |
| CLA 40 | Tr 22x5 | 1 : 25 | 1 : 48 | 20 | 1 | 850 | 0.37 kW | 0.75 kW |
| CLA 50 | Tr 30x6 | 1 : 25 | 1 : 48 | 30 | 2 | 1000 | 0.75 kW | 1.5 kW |



| SIZE | l | Ø D1 | Ø D2 | S | Ø g | G | Ø g1 |
|----------|----|------|------|-----|-----|----|------|
| CLA 25 S | 25 | 30 | 45 | 209 | 10 | 15 | 12 |
| CLA 30 | 30 | 35 | 55 | 260 | 14 | 20 | 14 |
| CLA 40 | 40 | 40 | 60 | 304 | 20 | 24 | 20 |
| CLA 50 | 50 | 50 | 70 | 367 | 25 | 40 | 30 |

| SIZE | L (standard motor) | L (motor on request) |
|----------|--------------------|----------------------|
| CLA 25 S | 194 | 220 |
| CLA 30 | 255 | 346 |
| CLA 40 | 264 | 400 |
| CLA 50 | 400 | 446 |

All dimension values are expressed in millimetres.