

high
performance
in motion

senior
FLEXONICS

Industrial Engineering || Land Vehicles and Engines || **Renewable Energies** || HVAC

ROTATIONFLEX® – The best flexible connection for Solar Thermal Parabolic Power Plants

Since 1998 our Rotationflex®-I systems (first generation) are installed in the first commercial Solar Thermal Power Plants in the world, the SEGS I-IX plants in California USA.

From 2008 onwards our Rotationflex®-II systems (second generation) are installed and operating perfectly in different Solar Thermal Parabolic Power Plants.



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Advantages:

- Lifetime installation
- High pressure and temperature resistance
- Separate compensation of longitudinal expansion and rotation
- Easy control of break-away torque via drive device
- Significant reduction of forces
- Constant cross section
- Maintenance free
- Easy installation
- Integrated insulation
- Field proven design

Performance data:

- Pressure: up to 40 bar*
- Temperature: up to 550° C*
- Expansion: up to 1.000 mm*
- Medium: Thermal oil, Steam, Molten Salts

*Further operational conditions under development and according to customer's requirements

