

SPIROL®

FASTENING SOLUTIONS FOR ALTERNATIVE, RENEWABLE, AND GREEN ENERGY APPLICATIONS

Coiled Pins and
Compression Limiters
in Charging Stations

Coiled Pins
in Windmill Blades

Disc Springs
in Windmill Braking
System

Rolled Tubular Components
in Lithium-ion Battery

Coiled Pins
in Domestic Power
Units

Threaded Inserts
in Junction Box of
Lithium-ion Battery

Coiled Pins
in Wind Direction
Sensors

Coiled Pins
in Hydro/Wave Powered
Assemblies

Disc Springs
for Hydrogen Battery Assembly

Compression Limiters
in Fuel Cells For
Electric Cars

Coiled Pins
in Blade Tips for Thrust
Optimization

Coiled Pins and
Precision Shims
in Windmill Gearbox

Dowel Bushings
in Turbine Blade Assembly for Alignment

Threaded Inserts
in Solar Lamps

Disc Springs
in Braking Energy
Recovery System

Compression Limiters
for Fuel Cell Holder Assembly

Compression Limiters
to Attach Blades to
Central Hub

Disc Springs
in High-Power Electrical
Connections

Threaded Inserts
in Battery Pack Housing for
Electric Cars

Compression Limiters
in Electronic Communications Pack for
Turbines and Panels

Disc Springs
in Electric Vehicle
Charging Plugs

Threaded Inserts
in Plastic Components for
Charging Stations

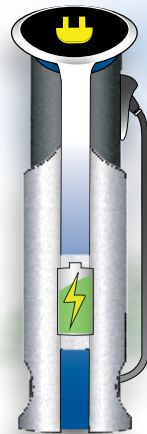
Compression Limiters
for Charge Port Cable
Channel

Dowel Bushings
in Hybrid Driveline Assemblies

Coiled Pins
in Solar Panel Frame

Dowel Bushings
in Bolted Joint of
Solar Panel Frame

Coiled Pins
in Solar Panel
Retaining Clamps



Designing engineered components for energy efficient technologies since 1948.



SPIROL offers free Application Engineering support.

Please contact us for product catalogs or technical assistance from your local SPIROL Applications Engineer.

Experience the SPIROL difference...where we deliver innovative solutions based on your application and business objectives.

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ISO/TS 16949
ISO 9001
ISO 14001
AS 9100
Nadcap AS7108 Chemical Processing
Nadcap AC7116/4 Nonconventional Machining

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