

*Jacob*

# SUN, WIND, GAS, JACOB.

CABLE GLANDS AND MORE  
FOR ENERGY SUPPLY.





## WHEREVER YOU NEED THAT BIT EXTRA.

**In refineries and oil and gas platforms, solar power stations and wind turbines – everywhere where energy is generated cables and cable glands are required.**

The cable glands used here must do more than just secure, center, hermetically seal and optimally relieve the cable. The high demands for explosion protection, along with extreme raw ambient conditions such as UV, ozone, temperature fluctuations, vibrations, sea water, salt spray, dust and gas require solutions that are as robust and resistant as possible. A high protection grade, extreme mechanical strength and excellent resistance against weather, temperature, UV and ozone are the minimum requirements for an intended service life of 20 years and more.

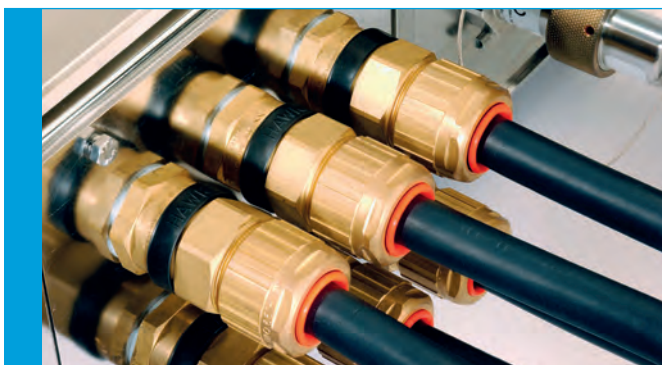


## SPECIALLY DESIGNED FOR EX AREAS: THE HAWKE CABLE GLAND.

Brass, nickel-plated brass and stainless steel (1.4404, 316l)  
as per ATEX and IECEx with Ex d and Ex e approvals for  
all types of armored and non-armored cables with cold  
flow characteristics.

### Properties:

|                       |   |
|-----------------------|---|
| Protection types:     | Ex e, increased safety<br>Ex d, flameproof<br>Ex tb, protection by enclosure<br>ExnR, restricted breathing  |
| Protection grade:     | IP 66/67/68   |
| Temperature range:    | -60 °C / +100 °C  |
| Certification:        | Baseefa 06ATEX0056X,<br>IECEx BAS06.0013X   |
| Test standard:        | EN 60079-0:2012<br>EN 60079-1:2007<br>EN 60079-7:2007<br>EN 60079-31:2009   |
| Additional approvals: | CSA (Canada), Inmetro/Cepel<br>(Brazil), CNEX (China), GOST-R<br>(Russia), GOST-K (Kazakhstan),<br>DNV Marine, ABS Marine,<br>KT L (Korea), GOST EAC TR-CU<br>(Russia, Belarus, Kazakhstan) |





## PERFECT FOR SOLAR APPLICATIONS: PERFECT CABLE GLANDS.

The PERFECT cable gland is the all-rounder in electrical engineering. Thanks to its high protection grade and robustness, however, it is also particularly well suited for use in solar power systems.

### Construction:

Dome nut: Polyamide PA6 V-2  
Sealing ring: Polychloroprene nitrile rubber  
CR/NBR  
Gland body: Polyamide PA6 V-2  
Connecting thread: Metric as per EN 60423

### Properties:

- built-in strain relief
- wide sealing and clamping range
- easy to install

Temperature range: -20 °C / +100 °C (dynamic),  
-40 °C (static, short term)

Protection grade: IP68 - 5 bar

Test standard: EN 50262 / UL 514B

VDE certification: 40020902

UL / CSA file: E140310





## THE SPECIALIST FOR SPECIAL REQUIREMENTS.

**JACOB cable glands and cable entry systems are well established in the energy supply industry. They are often standard equipment in the systems of many well-known businesses in the energy sector.**

They are produced in brass, stainless steel and plastic. Our HAWKE product series in particular is setting international standards in the explosion protection sector. We offer a comprehensive range for maximum safety in areas at risk of explosion, with ATEX/IECEX, Ex d und Ex e cable glands for armored and non-armored cable, adapters, reducers and accessories in various thread designs, Ex e housings and Ex d/Ex e connectors.

Our application engineers will advise and accompany you when selecting the right products with regards to approval and technical requirements. We also conduct installation and user training on site upon request.



## THE BEST CONNECTIONS AND MORE.

**JACOB GmbH, a family company founded in 1922 with its headquarters in Kernen-Rommelshausen near Stuttgart, employs around 200 people. With its efficient production technology, JACOB manufactures robust cable glands that are suitable for use even in extreme conditions and at extreme temperatures.**

The second core business area of the company is the manufacture of level measurement technology such as level. It serves customers from the energy sector, mechanical and automotive engineering, the electrical industry and apparatus and control cabinet construction. In addition to its standard product lines, Jacob also offers customer-specific solutions. The product portfolio includes components for potentially explosive areas, VDE-approved cable glands for use in Europe and UL-approved versions for the US market. An international sales and service network guarantees excellent customer care on site.

**JACOB GMBH**  
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