

**NEW!**

**CE CERTIFIED!**



**FS ALL-STEEL  
LOCK-NUT  
HOT-DIP GALVANISED**

**CORROSION RESISTANT  
VIBRATION RESISTANT  
NON-TEMPERATURE-SENSITIVE  
REUSABLE  
INTEGRATED LUBRICATION**

**INNOVATIVE APPLICATION FOR USE ON WIND FARMS  
IN ON- AND OFFSHORE LOCATIONS AS WELL AS THE  
STEEL CONSTRUCTION INDUSTRY**

For extreme outdoor use such as on wind turbines, offshore applications and steel constructions, Flaig + Hommel presents the FS All-Steel Lock-Nut in a new, hot-dip galvanized version.

Thanks to its constructive design, the FS Lock-Nut is predestined for all those applications that require hot-dip galvanized surface treatments. Its design guarantees reusability while maintaining highest operational reliability.

**FS All-Steel Lock-Nut:**  
**Hot-dip galvanized for hardcore applications!**



**Flaig + Hommel**

# FS All-Steel Lock-Nuts: Hot-dip galvanised: Complete screw fittings with extra wide flange, CE certified

**Top choice for wind turbines, steel constructions and other on- and offshore applications!**

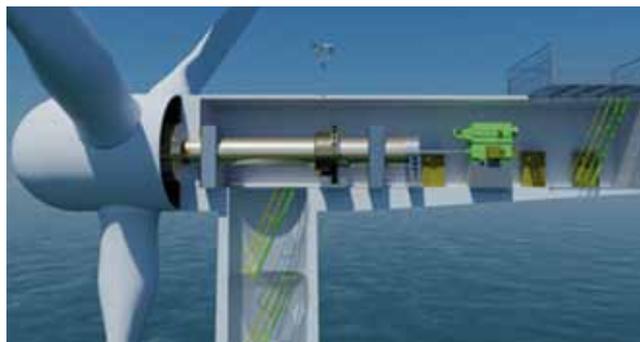
The technological demands on screwed connections on wind turbines and associated components are very high due to the extreme climate conditions they are exposed to.

This also applies to lock-nuts, which play a crucial part in the functionality and smooth operation of the equipment.



Integrated washer for highly efficient assembly – 2 parts

Conventional application – 4 parts

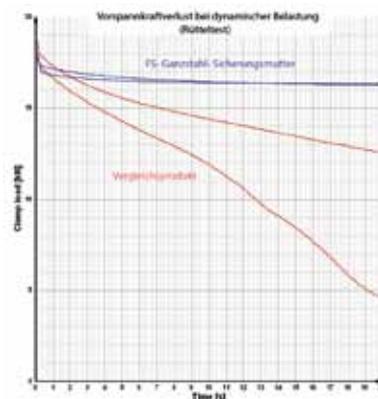


## Range of Application:

- Bolting of nacelles (with and without seals)
- Assembly of weather vanes and consoles
- Bolting of railings and rain protection
- Assembly of spinner housing, cable ducts and electrical cabinets
- Securing of ladders, grating and hatch covers
- Interior and exterior screwed connections

The FS All-Steel Lock-Nut in its hot-dip galvanised variety raises the bar and sets a new standard for the weather resistant assembly of components. Thanks to its integrated washer and anti-friction coating, the productivity and connection standard during assembly can be significantly improved.

FS Lock-Nuts and screws with extra wide flange are eminently suited for the connection of fibre composites (GRP, CRP) and organo sheets.



## The Advantages::

- Highest reliability - no loosening even when subjected to highly dynamic stress
- Initial installation without the need for additional lubrication
- Anti-friction coating to maintain consistent thread friction values and steady pre-load
- Reduced assembly time due to the integrated washer
- Ideal for the connection of GRP and CRP components as well as other, softer materials
- Can be reused again and again
- Easy unfastening even after many years of use
- Extremely aging resistant, all-steel material
- Two-part, constructive design with spring steel elements, ideal for hot-dip galvanising to guarantee highest corrosion resistance
- Suitable for cold climates - will withstand temperatures as cold as -70°C
- CE-certification – also for screw fittings with wide flange

## Normen:

- DIN EN ISO 7042, DIN EN ISO 10513, DIN EN 1664, DIN EN 1667
- Property class 8, 10, 12
- With extra wide flange

