



CUSTOMIZED ELASTOMER SOLUTIONS FOR THE OFFSHORE INDUSTRY

GROUT SEALS FOR OFFSHORE WIND TURBINES

Ensure perfect quality for the foundations of your offshore wind turbines !

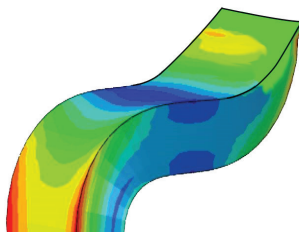
Hannecard disposes of elastomer formulations that has been specifically developed for marine applications to meet the customer specifications.

CUSTOMER REQUIREMENTS :

- Resistance to pressure, deformation
- Resistance to seawater, oil
- Resistance to abrasion during assembly
- Resistance to temperature variations
- Resistance to marine environment
- Constant and controlled properties
- Preservation of characteristics over time (30 years)



Example of profile without and with textile insert



FMEA calculation

MORE INFORMATION?

More information, please contact your local Hannecard partner or visit our website at: www.hannecardparts.com

4 good reasons to use our Hannecard solutions:

1. A product range unique in the market

A wide range of presses and extruders allowing us to offer a unique range in dimensions

- Extruded profiles up to 350 x 180 mm, 33 m straight length seamless
- Specific know-how in the welding of profiles allowing the continuity of the required technical characteristics.

2. Technical support

- Numerical simulation to validate the dimensioning and the material retained according to the dimensions of monopiles and transition pieces
- A material development laboratory to define tailor-made solutions

3. Our solutions

- Formulation of a specific elastomer for resistance to marine environment and operating conditions
- Possibility to supply seals of more than 33 m length without welding
- Welding by vulcanisation (in workshop or on site)
- Possibility of continuous molding
- Development of a test bench to validate tightness under pressure
- Supply of profiles with textile reinforcement if necessary in order to increase the mechanical characteristics

4. Some references

- Hatch seals for submarines (defense industry)
- Underwater bend stiffeners for telecommunication cables
- Dry dock lock gate seals
- Development of specific seals with a long lifetime (example Novarka radioprotection seal: lifetime 100 years)