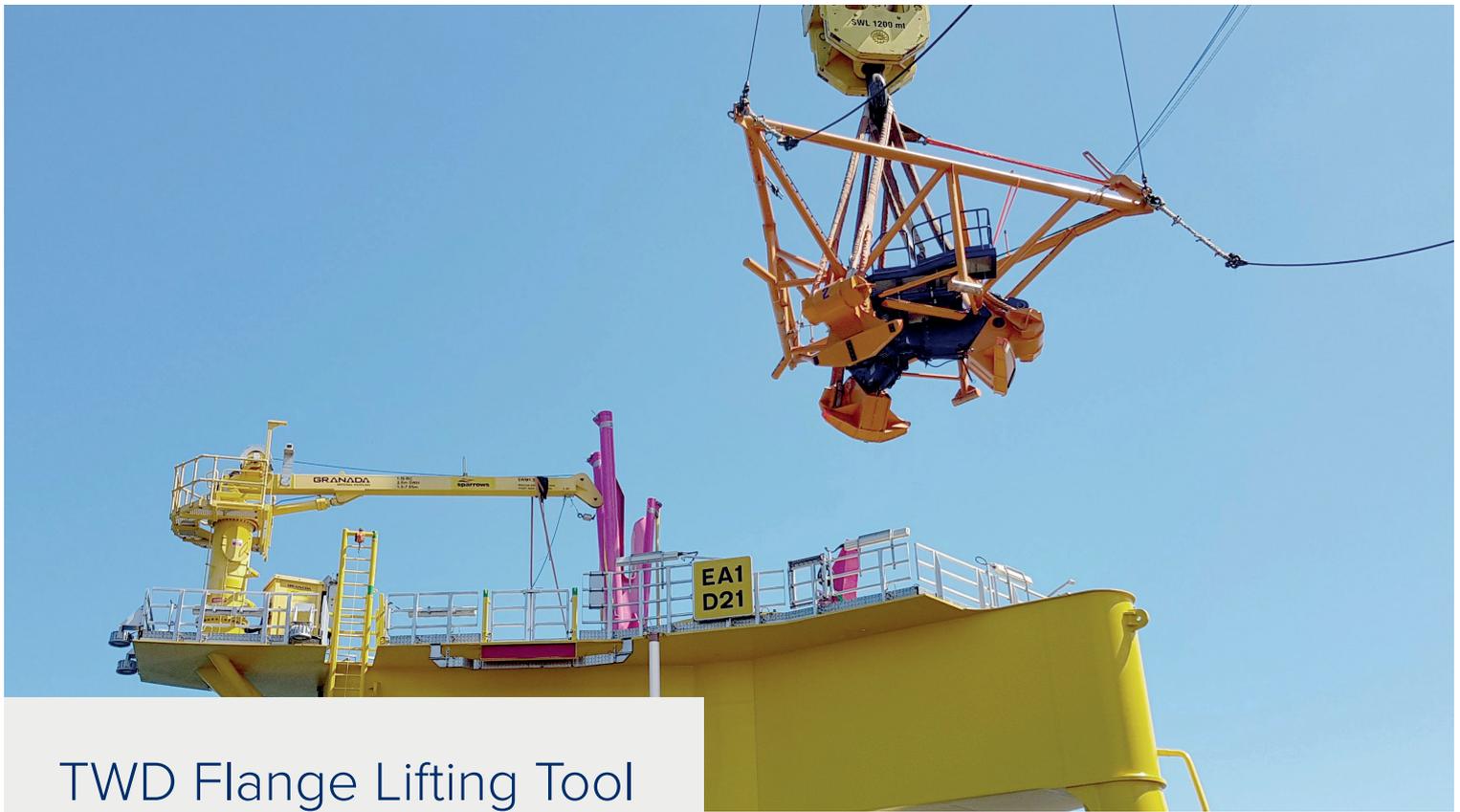




Flange Lifting Tool

An innovative lifting tool design that is safe and lightweight





TWD Flange Lifting Tool

With over a decade of experience in method engineering and equipment design, TWD is continuously innovating in the on and offshore construction sectors. The flange lifting tool is an innovation proudly designed by TWD.

Our flange lifting tool provides a simple and smart solution for installing next generation wind turbine foundations. The tool is designed with the main objectives of operational safety, speed, and redundancy. It can be scaled up to the maximum crane capacity and tailored to each offshore operation. Project-specific needs, such as tugger lines, can also be incorporated into this tool's design. Being fully remote controlled, a safe and easy installation is ensured, eliminating the need of a crew to access the top of the jacket.

A Safe and Lightweight Tool for Van Oord

Being lightweight is one of the biggest advantages when it comes to our flange lifting tool. Weighing less than 20 tonnes, it has a safe working load (SWL) of 1500 tonnes. This helps to maximize the lifting capacity of the cranes. In addition to its lightness, the safety design of this flange lifting tool is impressive. We designed a self-locking clamp to secure the safe lift. As a redundant safety measure for the operation, we also lock the system by cylinders before lifting. Finally, the cameras and sensors make sure the lift operation is safely controlled and monitored.

Tool highlights

- Tailored to crane and offshore operations
- From design to fabrication, fully load tested, and DNV certified in 10 weeks
- Lightweight tool, weighed down to only 1,5% of the SWL
- SWL 500 - 4000+ tonnes
- Fully remote control, no wiring or access required
- Adaptable for multiple diameters and projects



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