

# FirstSubsea

## Riser Handling Tool

First Subsea's range of Riser Handling Tools (RHT) are designed to client's requirements for use in any diameter riser. The tools allow the risers to be lifted and held into place while they are being welded during construction. RHTs have a number of applications including:

- Riser Handling
- Caisson Deployment
- Argon Gas Purge Interface
- Minimum Ball Indent (Duplex)
- Lifting Eye for Crosby Shackle
- Rental or Purchase options.

All RHTs are certified to DNV Standard for Certification No. 2.22 Lifting Appliances. As well as being designed to fit inside any diameter of riser, they can also be designed to lift risers of any load, up to and over 1500T.

### Ball and Taper

Due to the unique design of tool's Ballgrab® ball and taper gripping technology, the RHTs do not damage the inside of the riser. The risers also do not need any modification as the tools are bespoke to project requirements.

Ball and taper connection technology, in its simplest form, is the action of balls held securely in tapers machined into the connector's mandrel. The balls are free to move up and down the taper, however when the balls grip the item to be held, they grasp it in direct proportion to the load applied.



Riser Handling Tools undergoing testing in Aberdeen

### Typical Projects

• Piper Bravo	Gas Lift, Water Injection, Production Riser	4, 10 & 12"
• Tartan	Various Riser	3, 6 & 8"
• AUK North	Gas Lift, Umbilical & Production Riser	4, 6 & 8"
• Devenick	Production Riser	3 & 10"
• Arkwright	Methanol, J Tube, Gas Lift & Production Riser	4, 10 & 12"



Riser Handling Tools for Tweedsmuir

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