



THE SUPER STRENGTH
MULTI-POINT GRIP



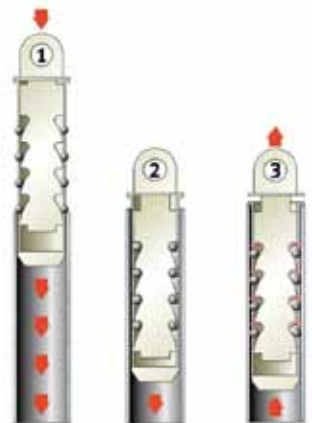
The Super Strength Multi-Point Grip

First Subsea has developed Ballgrab, a range of highly innovative and versatile tools based upon its patented Ball and Taper Technology. First Subsea's current product range includes:

- ▶ Subsea Mooring Connectors
- ▶ Pipeline Recovery and Repair
- ▶ Diverless Bend Stiffener Connectors
- ▶ Riser and Flexible Connections
- ▶ Coiled Tube Handling Tools
- ▶ Subsea Intervention
- ▶ Marine Renewable

The unique self-activating mechanism enables rapid deployment, due to the simple Ball & Taper principle the tool is simply guided into position and once engaged cannot be released until the load is removed.

- 1 Balls fully extended
- 2 Ballgrab fully inserted, balls in contact
- 3 Radial grip force increases as axial load (lift) is applied



Ballgrab features include speed, ease of use, reliability and versatility.

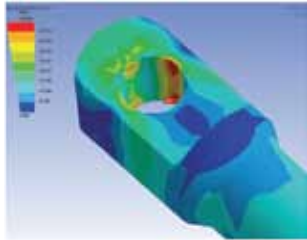
Proven in the field over a wide range of applications, in locations around the world.

Technology suited to inhospitable and inaccessible environments.



For rapid deployment and high integrity connections First Subsea's products are fast becoming the tool of choice.

Ballgrab Package



▶ Experienced design department offering innovative solutions engineered to suit customer requirements and specifications.



▶ Two custom built in-house test rigs, with high load and fatigue capacity.

▶ Dedicated FEA and Fatigue Analysis system integrated into the company for design optimisation.



▶ Experienced offshore engineers with factory based support team.

▶ Professional project management department offering specific interface to customers, devoted to expediently supplying the contractual deliverables.



All of the above are offered from a singular location in Lancaster, ensuring complete integration between all departments and the streamlining of Total Quality Management throughout the company.

One of the main objectives of First Subsea is to expand its presence into other areas of the oil and gas industry. We are currently undergoing research into new product development and exploring partnership opportunities - contact us for more details.



Lancaster, UK



Houston, USA

Awards, Approvals and Accreditations



First Subsea achieved ISO 9001:2000 in 2004 and continues to strive towards high quality in every aspect of its organisation.



First Subsea is the winner of the UK's most prestigious awards for business performance; The Queen's Awards for Enterprise, for its International Trade.



Ball and taper technology has been proven in service. The technology has been reviewed, and approved. The approval included cyclic fatigue testing to 3 million cycles. All Ballgrab tools are designed to meet the classification requirements of applicable authorities including ABS, DNV, BV and Lloyd's Register.



Contacts

For more information on First Subsea's Ball & Taper Technology please contact:



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