Boat landings for offshore oil and gas jacket are built to absorb the impact energy from berthing boats or vessels. The Boat Landing System consists primarily of the Eccentric Bumper Ring (EBR), Shock Cell and Rub Strip. It plays the important role of protecting the jacket and vessel when they are berthing, while resisting the harsh environments at sea and operating in even the most severe weather. On impact by a berthing vessel, the steel surface of the barge bumpers or rubber surface of the Rub Strips transfers the load to the EBRs and the Shock Cells.

Kinetic energy is absorbed and dissipated as heat and a smaller reaction force against the vessel by the rubber as it undergoes shear and compression. The load is therefore reduced, and the vessel can berth without damaging the jacket structure. The strong bonding achieved between the elastomer and the steel during the manufacturing process ensures that this arrangement will safely dissipate and reduce the external load without damaging the jacket.

Our Odin EBRs are precisely designed rings of rubber which are mounted on top of a Shock Cell to provide more energy absorption performance. We essentially utilize the elastomer’s unique ability in deflecting normal and lateral impact to withstand the design stresses that is imposed on a jacket during barge and vessel operations. Our elastomeric solution, with its internal damping effect, can resists high overloads without damage.
Applications:
• Offshore Platform Jacket structure
• Wind Farm Turbine

Benefits:
• Provides additional energy absorption performance
• Protects substructures and berthing vessels
• Crucial supporting component to Shock Cells
• Extra load absorbing capability
• Preserves function and integrity of Shock Cells

Contact Us
Trelleborg Offshore delivers innovative and reliable offshore solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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