

Single Mandrel Connector - (Standard Technology)

The Single Mandrel 3-Phase Penetrator for ESP Wells is a universal application for conventional eccentric wellheads, providing unsurpassed reliable gas-tight power to conventional ESP systems.

STANDARD TECHNOLOGY	
Low Level CO ₂	Up to 125°C
No H ₂ S	Up to 5kVAC
Up to 5000 psi	Up to 160A

Key Performance Features

Unique Pressure Barrier Technology

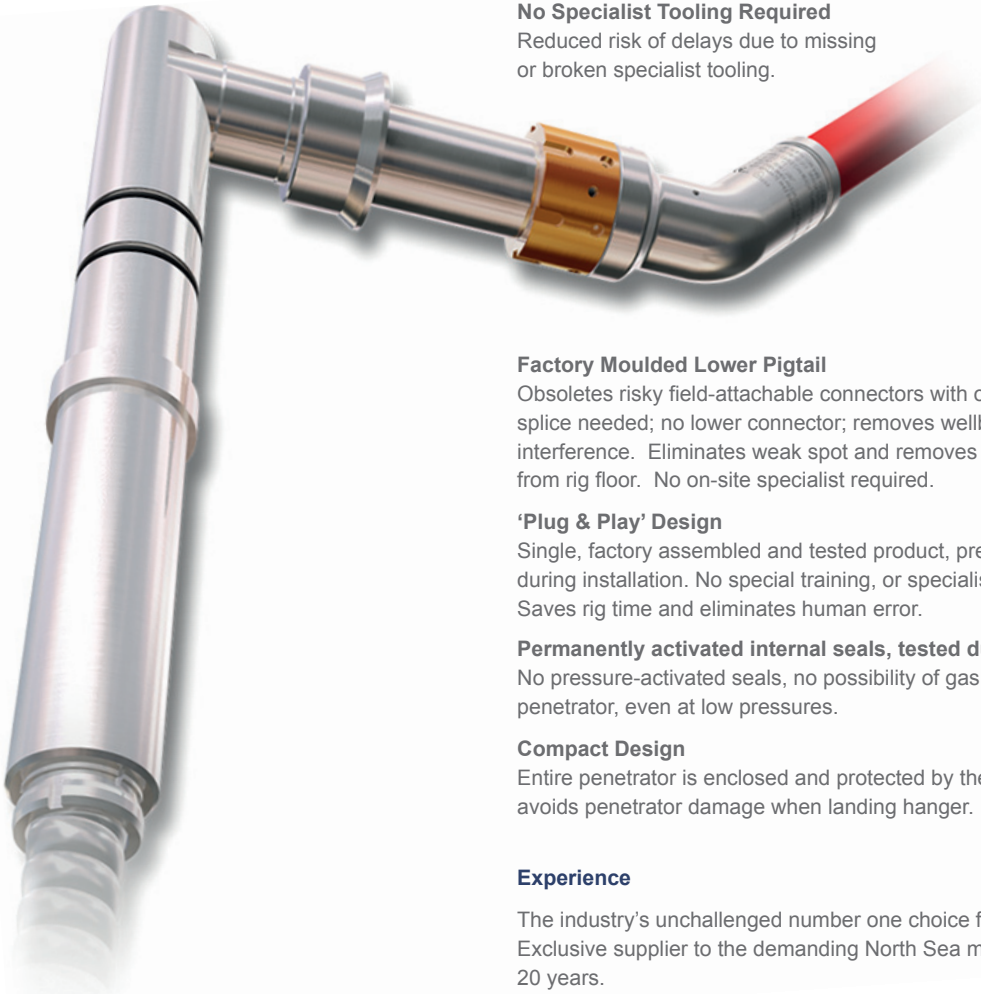
Zero Gas Leakage, total safety security with zero possibility of surface explosions.

Excellent Track Record of Reliability

Total confidence of reliability.

No Specialist Tooling Required

Reduced risk of delays due to missing or broken specialist tooling.



Factory Moulded Lower Pigtail

Obsoletes risky field-attachable connectors with only horizontal splice needed; no lower connector; removes wellbore mating interference. Eliminates weak spot and removes critical process from rig floor. No on-site specialist required.

'Plug & Play' Design

Single, factory assembled and tested product, prevents damage during installation. No special training, or specialist required. Saves rig time and eliminates human error.

Permanently activated internal seals, tested during assembly

No pressure-activated seals, no possibility of gas migration through penetrator, even at low pressures.

Compact Design

Entire penetrator is enclosed and protected by the wellhead, avoids penetrator damage when landing hanger.

Experience

The industry's unchallenged number one choice for reliability. Exclusive supplier to the demanding North Sea market for over 20 years.

Other Key Features

- Debris caps provided
- Gold Plated Pins and Sockets
- Qualified to IEC60502
- Only NACE MR01-75 Materials used
- Bottom Fed for easy installation
- Available with 45° or 90° Surface Connectors

Product Specification

- Up to 5000 psi working, 7500 psi test
- Up to 5kVAC
- Up to 160A
- Up to 125°C / 255°F working temperature
- Certified for Hazardous Area use

Harsh Environment Technology

- Suitable for up to 90% CO₂
- Suitable for up to 40% H₂S

Positive Pressure Technology

- Suitable for up to 20% CO₂
- Suitable for up to 0.1% H₂S

Standard Technology

- Suitable for up to 1% CO₂
- Not suitable for H₂S

