



Dual Casing Guide

Engineered precision for dual-string well construction inside a single conductor.

Primary Function	<i>Accurately guide and space two casing strings inside a single conductor</i>
Deployment	<i>Installed within the conductor casing during surface casing operations</i>
Operating Mechanism	<i>Precision-machined, contoured guide body maintaining fixed side-by-side spacing</i>
Outcomes	<i>Enables dual wells per conductor, increasing well density and platform efficiency</i>

Operating Principles:

The Dual Casing Guide is a patented downhole guidance system designed to allow two surface casing strings to be run in parallel inside a single conductor casing, maintaining accurate alignment from surface to setting depth.

- The guide provides a precision-machined internal geometry that holds both casing strings in a fixed, side-by-side configuration.
- Upper and lower tapered profiles facilitate smooth entry
- The system ensures consistent spacing, preventing string interference and misalignment.
- The guide is run on a tubular string and positioned without permanent attachment to the casing.

Technical Highlights:

- **Dual-string capability:** Allows two casing strings to be installed within one conductor casing.
- **Increased well density:** Effectively doubles the number of wells that can be drilled from a single well pad or platform slot.
- **Precision alignment:** Maintains accurate side-by-side spacing from surface to setting depth.
- **Rig-friendly installation:** Compatible with standard dual slips, spiders, and elevators.
- **Wellhead integration:** Designed in collaboration with leading wellhead manufacturers; includes adjustable seal subs and split bowls for precise height alignment.
- **Proven and patented:** Backed by Patent No. 6,012,529, with field-proven history.

Typical Applications:

- Offshore platform drilling operations
- Multi-well well pads with slot or footprint constraints
- Surface casing operations requiring dual-string installation
- Projects focused on maximising conductor utilisation
- Developments seeking reduced surface infrastructure and increased productivity



Design & Configurations:

- Conductor casing size and ID
- Surface casing sizes and weights (dual strings)
- Planned wellhead system and interface requirements

Operational Value

The Dual Casing Guide enables operators to **double well capacity per conductor** without compromising installation accuracy. By combining precise geometry, proven compatibility, and efficient rig integration, the system delivers **higher platform productivity, reduced surface footprint, and safer, more repeatable dual-string well construction.**