

# Clamp Fabrication

## Objectives

Aurora successfully completed the fabrication of a series of specialist clamps for subsea and offshore use. The scope included precision machining, welding, NDT, coating, and final inspection, with full compliance to client drawings and offshore fabrication standards. The clamps were produced using local labour and resources, ensuring efficient delivery and alignment with quality and safety requirements.

## Our Solution

Aurora applied its in-house fabrication and engineering expertise to deliver a complete clamp package:

- Fabrication & Welding – Manufactured to tight tolerances using specialist materials and qualified welding procedures.
- Inspection & Coating – Performed NDT, dimensional checks, and applied protective coatings for durability in offshore conditions.
- Delivery & Documentation – Delivered clamps fully certified, with QA/QC records and inspection sign-off.

## At a Glance

### Challenges

The project required:

- Achieving precise tolerances across multiple clamp types.
- Managing coating application and curing times to meet tight delivery schedules.
- Coordinating logistics for safe handling and transport of fabricated clamps.

### Value to client

- Aurora created significant value by
- Zero Quality Issues – Fabrication delivered first time, with no rework required.
  - On-Time Delivery – All clamps delivered on schedule, ensuring client project timelines were met.
  - Local Labour & Content – Supported local workforce and supply chain, adding value to the community as well as the client.
  - Fit-for-Purpose Design – Precision fabrication ensured clamps were offshore-ready and fully compliant with technical specifications.

