



Tungum Alloy UNS C69100 Tubing For Marine Dive Applications

Offshore marine dive systems:

- 1) Life support & divers heating circuits in saturation and air dive systems.
- 2) Life support systems within medical hyperbaric centres and hospitals.
- 3) Hydraulic control and actuation of retrieval systems for submersibles and diving bells.
- 4) Hyperbaric weld habitats & line-up frames.

Tungum specified for the following benefits:

- Over 40 years of real time application.
- No recorded failures when correctly installed and used.
- Superior corrosion resistance in seawater and its environment.
- Excellent thermal characteristics for safely conveying oxygen at high pressures.
- Lasting clean-bore properties, essential for breathing gases.
- Safety enhancement - non sparking material.
- High strength-to-weight ratio. (reduces deck weight, lowers critical centre of buoyancy).
- High resistance to shock and vibration.
- Ease of manipulation and installation. No hot-work necessary.
- Low cost alternative to more expensive stainless steel alloys, further decreasing asset lifetime costs.
- Compatible and approved with all industry recognized tube fittings.

Approvals & Accreditations:

- IMCA – International Marine Contractors Association – Document D012 – approved for use in Oxygen systems
- DNV GL – Det Norske Veritas ISO 9001
- ASME – American Society of Mechanical Engineers Section 1, VIII, B31.1 & B31.3 Code Cases
- USCG – United States Coast Guard
- NORSOK – M-650 Qualification of Manufacturers of Special Materials
- ABS – American Bureau of Shipping Type Approval
- BAM – Federal Institute for Gaseous Oxygen Service, tested in accordance with ASTM G124-10 (2010)
- Lloyds Register of Shipping