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Tungum Alloy UNS C69100 Tubing For Oil & Gas Applications

Offshore platforms & associated specialised vessels (FPSO's, DSV's, etc.):

1) Hydraulic & pneumatic control, instrumentation & impulse lines.
2) Firefighting (deluge) control & instrumentation lines.
3) Compressed air "mains".
4) Water systems, including potable, grey, black, salt and fresh.
5) Diesel and gasoline fuel lines.
6) Life support systems including oxygen lines.
7) Miscellaneous marine auxiliary systems (pedestal cranes, winch, and other mechanical handling systems).
8) Drill floor hydraulics & controls.
9) Conduit tubing for emergency shutdown systems.
10) Chemical injection lines – CAUTION, solution compatibility should be tested or confirmed prior to use.

Tungum specified for the following benefits:

- Over 40 years of real time Oil & Gas application.
- No recorded failures when correctly used and installed.
- Superior corrosion resistance in seawater and its environment.
- High strength-to-weight ratio. (reduces deck weight, lowers critical centre of buoyancy).
- High resistance to shock and vibration.
- Safety enhancement - non sparking material.
- Lasting clean-bore properties, even with fire-resistant fluids.
- 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:

- 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
- IMCA – International Marine Contractors Association – Document D012 – approved for use in Oxygen systems
- BAM – Federal Institute for Gaseous Oxygen Service, tested in accordance with ASTM G124-10 (2010)
- Lloyds Register of Shipping