



Tungum Alloy UNS C69100 Tubing For Infrastructure Applications

Civil engineering project applications:

- 1) Ferry terminal linkspans and passenger walkways.
- 2) Road and railway bridges.
- 3) Pedestrian bridges.
- 4) Canal lock gates and storm gate actuation and controls.
- 5) Reservoir sluice gate control systems.
- 6) Oreloaders, crude oil unloading arm systems and other dockside facilities.
- 7) River flood barrier control hydraulics.
- 8) High pressure "installed" water wash down systems.
- 9) High pressure hydraulic test rigs.
- 10) Railway transportation systems - vehicle air brake systems.
- 11) Industrial gas systems.

Tungum specified for the following benefits:

- Superior long-term resistance to marine corrosion.
- High strength-to weight ratio.
- High resistance to shock and vibration.
- Inherent safety - spark proof characteristics.
- Resistance to stone grit impingement - necessary on rail vehicle under floor applications.
- Ease of manipulation and installation. No hot-work necessary.
- Low cost alternative to more expensive stainless steel alloys, further decreasing asset lifetime costs.
- Extended life without maintenance.
- 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