

## SX TUBE

The SX tube, originally developed by Sandvik and now marketed under the Alleima® SX brand, represents a benchmark in corrosion-resistant alloys for sulphuric acid applications. This high-silicon alloy tube is an integral part of Noram's products, including acid coolers and trough distributors, where it consistently demonstrates exceptional corrosion resistance in hot, concentrated sulphuric acid environments.



### Key Characteristics

- Exceptional corrosion resistance in concentrated sulphuric acid
- High resistance in highly concentrated nitric acid
- Good mechanical strength with reliable ductility
- Good weldability for fabrication and repairs

### SX Tube, high-performance corrosion resistance for acid service

The SX Tube is specifically developed for use in highly corrosive acid environments, offering reliable performance through a robust, self-repairing silicon oxide passive film. This advanced protective layer reduces corrosion rates, ensuring long-term reliability and durability under harsh operating conditions.

Engineered for critical process applications, the SX Tube is well suited for use in acid distributors, coolers, sulphuric acid piping, and a variety of internal components, including nozzles, strainers, and mesh pads.

With excellent weldability and typically no need for preheating or any subsequent post-weld heat treatment. Gas Tungsten Arc Welding (GTAW/TIG) is the recommended fusion welding method for optimal results.

The SX Tube is compliant with applicable ASTM/ASME and EN material standards and is supplied with comprehensive mill test certification to meet demanding quality and traceability requirements.

