



EXPLORING THE USES OF SMALL DIAMETER STAINLESS STEEL TUBING

Small diameter stainless steel tubing offers durability and can withstand extreme temperatures and pressures in precise applications. It plays a crucial role in industries where reliability, efficiency, and longevity are paramount. Whether safeguarding the precision of critical instruments, ensuring the safety of high-pressure systems or enduring the rigors of industrial processes, small diameter stainless steel tubing plays an irreplaceable role in upholding the standards of excellence and dependability that these industries demand.

ISO 9001 | ISO 13485



| MEDICAL DEVICES | AEROSPACE APPLICATIONS | AUTOMOTIVE APPLICATIONS | PRECISION INSTRUMENTATION | INDUSTRIAL AND CHEMICAL PROCESSING |
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| Small diameter stainless steel tubing is used extensively in medical devices and instrumentation. Its precise dimensions and high quality stainless steel tubing make it indispensable for the medical device industry. Small diameter tubing ensures the accuracy, safety and reliability delivering fluids, guiding surgical tools and assisting minimally invasive procedures. | In the aerospace industry small diameter tubing is used in hydraulic systems, fuel lines and instrumentation. It's lightweight resilient properties make it ideal for ensuring safety and performance of precise measurements. It can withstand extreme temperatures and high pressure while maintaining its structural integrity. | Small diameter stainless steel tubing is used in many critical automotive components. Due to its exceptional durability and corrosion resistance stainless steel tubing contributes to the overall efficiency and longevity of automotive components. | Precision instrumentation and measuring devices such as pressure gauges, flow meters, and temperature sensors widely use small diameter tubing. The dimensional stability and resistance to deformation helps it maintain its shape and dimensions under mechanical stress, temperature variations and corrosive environments. | Small diameter tubing is used to transport fluids and gasses in demanding and harsh environments. Stainless steel tubing's resistance to corrosion and chemicals make it reliable and consistent in challenging chemical environments. Reduced maintenance and increased operational efficiency make it an attractive component for various industrial applications. |

300 series stainless steel is **renowned for its durability, high strength, and corrosion resistance** making it a preferred choice for critical applications demanding reliability and longevity. Perfect for a wide range of applications from medical to industrial.

Using a supplier that has ISO standards in place ensures the consistency and uniformity of the dimensions, tolerances, and quality of the tubing. Adherence to ISO standards enhances its applications across various industries and in various demanding environments and critical applications.

Eagle Stainless Tube & Fabrication Inc.
STAINLESS STEEL TUBING | Distribution • Precision Cut-to-Length • Custom Fabrication

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