

Quartz Glass Tubes Datasheet

Felix Glass Document No. : FG-QTZ-TB-001 | Rev.1.0 | 2026

Felix Glass specializes in custom precision optical components for machine vision, laser systems, medical optics, spectroscopy and industrial imaging. OEM & ODM manufacturing services are available worldwide.

Core Specifications (Typical Values)

- **Material:** High-purity fused silica quartz glass
- **Available Types:** Clear quartz tube, opaque quartz tube, UV transparent quartz tube
- **Outer Diameter Range:** 6mm–1200mm (customizable)
- **Wall Thickness Range:** 0.8mm–20mm
- **Working Temperature:** Suitable for continuous high-temperature industrial environments up to 1100°C
- **Spectral Feature:** UV transparent grades allow stable ultraviolet band transmission
- **Mechanical Processing:** Straight cutting, flat end, round end, flanging, bending, drilling, polishing
- **Surface Quality:** Industrial standard and optical-grade finishing available
- **Custom Options:** Length tolerance adjustment, special bending radius, customized end structure
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Product Overview

Clear quartz tubes deliver excellent light transmission for UV equipment and optical inspection systems. Opaque quartz tubes feature infrared heat shielding performance, suitable for industrial heating furnaces. UV transparent quartz tubes maintain stable spectral performance for UV curing, disinfection and photochemical instruments. All dimensional parameters can be adjusted according to project requirements.

Typical Applications

Semiconductor thermal processing equipment, laboratory reaction vessels, UV industrial curing systems, industrial furnace piping, optical viewing windows, sensor protective tubes.

The information contained in this document is provided for reference only. Final specifications are subject to mutually approved engineering drawings, production capability review, and customer project requirements.

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