



TOQUARTZ

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Tech Specifications

Quartz Plate & Disc

Integrated Engineering & Agile Production
for Demanded Specifications

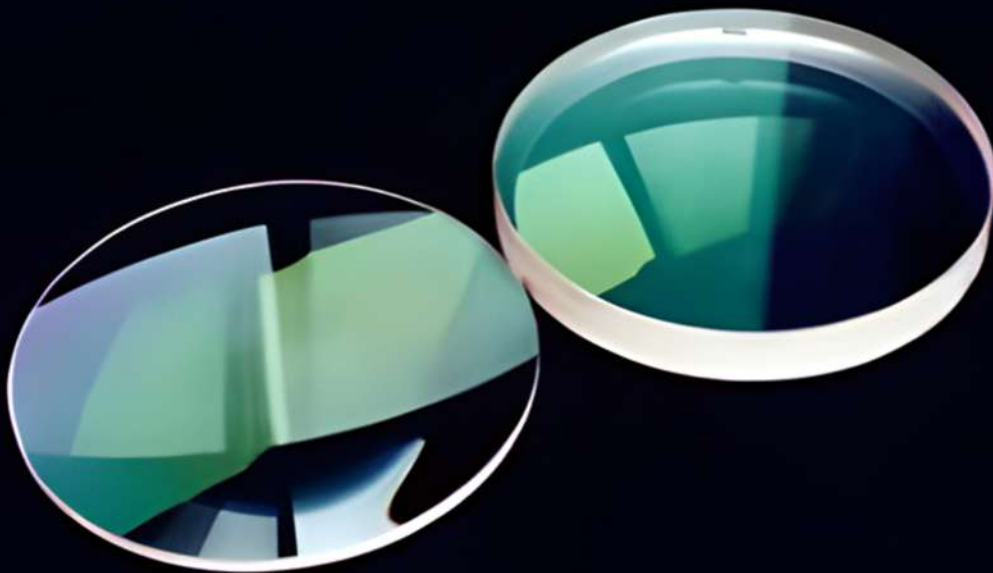


TOQUARTZ®

QUARTZ SIGHT GLASS

High Temperature Quartz Sight Glass Solutions for Industrial Applications

Product Overview



TOQUARTZ® quartz sight glass is manufactured from high-purity quartz (99.99% SiO₂), designed for extreme temperature environments up to 1450°C with excellent thermal shock resistance. These viewing windows provide superior optical clarity for monitoring processes in industrial furnaces, vacuum chambers, and chemical reactors.

QUARTZ SIGHT GLASS

Key Features

- **Extreme Temperature Resistance:** Withstands temperatures up to 1450°C with exceptional thermal shock resistance
- **Superior Chemical Resistance:** Non-toxic and highly resistant to acids, alkalis, and molten salts
- **Excellent Optical Properties:** Transmits UV, visible, and near-infrared spectra with high clarity
- **High Purity Material:** Manufactured from 99.99% pure SiO₂
- **Customizable Dimensions:** Available in standard sizes or custom specifications

QUARTZ SIGHT GLASS

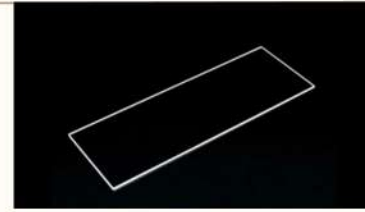
Applications

- Industrial furnace viewing windows
- Chemical reactor observation ports
- Vacuum chamber sight ports
- High-temperature process monitoring
- Optical instrument windows
- Specialized equipment requiring thermal and chemical resistance

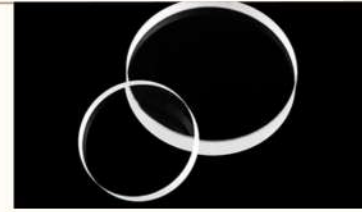


SIZE CHART

RECTANGULAR QUARTZ SIGHT GLASS



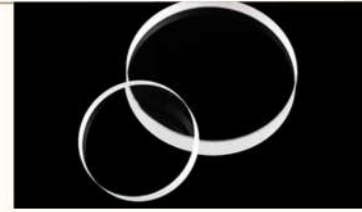
Model	Length (mm)	Width (mm)	Thickness (mm)	SiO ₂ (%)
AT-SY-SJ024	20	10	2	99.99
AT-SY-SJ025	50	30	5	99.99
AT-SY-SJ026	80	50	5	99.99
AT-SY-SJ027	80	50	8	99.99
AT-SY-SJ028	80	50	10	99.99
AT-SY-SJ029	100	80	5	99.99
AT-SY-SJ030	150	100	5	99.99
AT-SY-SJ031	200	120	10	99.99
AT-SY-SJ032	500	400	1-30	99.99



SIZE CHART

ROUND QUARTZ SIGHT GLASS

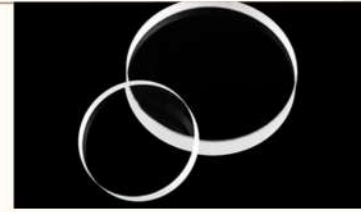
Model	Diameter (mm)	Thickness (mm)	SiO ₂ (%)
AT-SY-SJ001	10	2	99.99
AT-SY-SJ002	35	5	99.99
AT-SY-SJ003	50	5	99.99
AT-SY-SJ004	50	8	99.99
AT-SY-SJ005	55	5	99.99
AT-SY-SJ006	55	10	99.99
AT-SY-SJ007	60	5	99.99
AT-SY-SJ008	60	10	99.99
AT-SY-SJ009	65	5	99.99



SIZE CHART

ROUND QUARTZ SIGHT GLASS

Model	Diameter (mm)	Thickness (mm)	SiO ₂ (%)
AT-SY-SJ010	70	5	99.99
AT-SY-SJ011	80	3	99.99
AT-SY-SJ012	80	8	99.99
AT-SY-SJ013	95	8	99.99
AT-SY-SJ014	100	8	99.99
AT-SY-SJ015	120	10	99.99
AT-SY-SJ016	150	8	99.99
AT-SY-SJ017	150	20	99.99
AT-SY-SJ018	175	20	99.99



SIZE CHART

ROUND QUARTZ SIGHT GLASS

Model	Diameter (mm)	Thickness (mm)	SiO ₂ (%)
AT-SY-SJ019	200	20	99.99
AT-SY-SJ020	200	30	99.99
AT-SY-SJ021	250	20	99.99
AT-SY-SJ022	250	30	99.99
AT-SY-SJ023	300	1-30	99.99

PROCESSING CAPABILITIES

- JGS1 High-OH Content Quartz: Superior UV transmission (90% at 185 μ m), ideal for UV applications
- JGS2 Medium-OH Content Quartz: Suitable for 220-2500 μ m wavelength transmission
- JGS3 Low-OH Content Quartz: Superior infrared transmission (>85%), ideal for 260-3500 μ m applications



INSTALLATION & MAINTENANCE



Proper installation ensures optimal performance and extended service life. Key recommendations:

- Use appropriate gasket materials compatible with your application
- Apply uniform pressure when tightening retaining fixtures
- Avoid direct contact between quartz and metal surfaces
- Inspect regularly for signs of etching or cracking
- Clean using non-abrasive, solvent-free cleaners

CUSTOMIZATION SERVICES

TOQUARTZ® offers comprehensive customization services for quartz sight glass including:

- Custom dimensions and shapes
- Specialized surface treatments
- Material grade selection for optical requirements
- Edge treatments and mounting solutions



QUALITY ASSURANCE

All TOQUARTZ® products undergo rigorous quality control testing to ensure consistent performance and reliability. Material certificates and dimensional inspection reports available upon request.

Contact Information

Email: info@toquartz.com

Website: www.toquartz.com

TOQUARTZ® - Precision Quartz Solutions for Industry and Research

For technical specifications, custom requirements, or pricing information, please contact our sales team.