

# J. B. TREASURE & Co. Ltd.

## TUBULAR GLASSES

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Tubular glasses are manufactured in a wide range of diameters and wall thicknesses in Borosilicate material which is highly resistant to water, neutral and acidic solutions, concentrated acids, and organic solutions.

For smaller diameters (up to 38mm or 1.1/2") the composition has been developed specifically to cater for the requirements of gauge glasses used in high pressure steam boilers, for both temperature and chemical resistance. Red striped glass tubes are available for use in low pressure level gauges

Larger diameters are used as sight flow indicators in pipelines, chemical process plants, and other process equipment.

Glass rods in borosilicate and soda glass rods and tubing are available for special applications.

### SPECIFICATIONS :

DIAMETERS	From 6mm to 300mm
END FINISH	Ground, Fused, Polished, or as Cut
LENGTHS	Generally 1500mm but lengths of 3000mm ( 120" ) in Specific Diameters
MAXIMUM TEMPERATURE	Generally 450° C or 220° C For Steam Applications
THERMAL SHOCK	160° C
REFRACTIVE INDEX	1.473
COEFFICIENT OF EXPANSION	$3.2 \times 10^{-6}$ / Deg K

When used as sight glasses in pressure vessels or steam boilers the glasses are produced in accordance with BS3463

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