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TECHSPEC® 4" Dia. N20 Fused Silica Dual Surface Flat



Stock #48-132 **20+ In Stock**

1 MRP ₹1,73,027

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹1,73,027 each
Qty 6-10	₹1,55,876 each
Qty 11-25	₹1,47,299 each
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Product Downloads

General

Interferometry Window

Type:

Glass

Type of Window:

Note:

Includes a certificate of calibration.

Physical & Mechanical Properties

91.40 **Clear Aperture CA (mm):**

4.00 ±0.04 **Diameter (inches):**

101.60 ±1.0 **Diameter (mm):**

0.75 ±0.06 **Thickness (inches):**

19.05 ±1.5 **Thickness (mm):**

≤1 **Parallelism (arcmin):**

Protective as needed **Bevel:**

Dual Surface **Construction:**

Fine Ground **Edges:**

0.16 **Poisson's Ratio:**

73 **Young's Modulus (GPa):**

522.00 **Knoop Hardness (kg/mm²):**

Optical Properties

Uncoated **Coating:**

[Fused Silica](#) (Corning 7980) **Substrate:**

1.458 **Index of Refraction (n_d):**

60-40 **Surface Quality:**

67.8 **Abbe Number (v_d):**

200 - 2200 **Wavelength Range (nm):**

λ/20 **Surface Flatness (P-V):**

Material Properties

2.20 **Density (g/cm³):**

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
0.52 (+5 to +35°C)
0.57 (0 to +200°C)
0.48 (-100 to +200°C)

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 197:**

[View](#) **Certificate of Conformance:**

Germany **Country of Origin:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- λ/10 and λ/20 Surface Flatness Options
- Each λ/20 Flat 76.2mm and Larger Includes a Certificate of Calibration
- Extended Lifetime in Contact Measurement Applications
- [Single Surface Optical Flats](#) Also Available

TECHSPEC® Precision Dual Surface Optical Flats are precision ground and polished to the stated accuracies on both surfaces so that either face may be used for test applications. Both surfaces are tested and certified by our Zygo

Interferometer. Each flat ships in a durable storage case for permanent protection. TECHSPEC® Precision Dual Surface Optical Flats specified for $\lambda/20$ flatness that are 76.2mm or larger also include a certificate of calibration. These dual surface flats are uncoated and offered in diameters ranging from 25.40 to 304.80mm.

Compatible Mounts
