



# OPTICAL SURFACES LTD

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**Company:** ELI - Beamlines **Our Ref:** Q9190b  
**To:** Alamgir Mondal **Date:** 9<sup>th</sup> March 2022  
**From:** Aris Kouris **Page:** 1 of 2

Ref: emails dated between the 29<sup>th</sup> October 2021 and 9<sup>th</sup> March 2022.

We are pleased to quote as follows:

## **1. Manufacturing: Wedge 130**

This item is only for the manufacture of Wedge 130 (without coating)

**Drawing:** wedge 130\_specs\_final.pdf  
**Diameter:** 130mm +0/-0.25mm  
**Clear aperture:** dia: 123.5mm to dia: 30mm (around hole)  
– both sides  
**Wedge:** 4° +0.1°/-0°  
**Centre thickness:** 13.0mm ±0.1mm  
**Hole:** Not at this stage, please item 2 below  
**Chamfers:** 0.5mm x 45°  
**Material:** Corning 7980 Grade 0/D

### **Side 1 (S1)**

**Surface flatness (slopes):** λ/10 P-V per inch @ 633nm  
**Surface quality:** 20/10  
**Coating:** Uncoated

### **Side 2 (S2 - wedge)**

**Surface flatness (slopes):** λ/6 P-V per inch @ 633nm  
**Surface quality:** 40/20  
**Coating:** None at this stage, please see item 3 below  
**Quantity:** 1 off

**Price:** £2,850  
**Delivery:** 14 weeks

## **2. Drilling of hole dia: 20mm at 45 degrees:**

This item is only for the drilling of the hole in the manufactured Wedge 130 as described in item 1.

**Hole:** dia: 20mm +0.25/-0mm at 45° ±0.05° \*

**Price:** £1,250  
**Delivery:** same as Item 1 above (14 weeks)

**Note:** \* Tolerance deviation from drawing.

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**3. Coating: Wedge 130**

This item is for coating (side S2 only) of the manufactured Wedge 130 as described in items 1 and 2:

Coating: AR coating on side S2 only,  
AOI = 45°, P-polarised  
Wavelength range 750nm -850nm  
Rp average < 0.3% 750-850nm, please see  
attached theoretical curve.

**Price:** £2,760  
Delivery: 2 weeks extra

Prices exclude VAT, carriage, packing and insurance. All quotes are valid for 60 days.

Regards,



Aris Kouris  
*Executive Director Sales*