

# DeFelsko® Surface Profile Standards

Two solutions for depth micrometer surface profile gages

## Certified SPG Standards

Used to verify the accuracy and operation of surface profile depth micrometers — an important component in fulfilling both ISO and in-house quality control requirements.

- Ideal for use in calibration labs
- Standards consist of 4 sapphire test plates mounted in a precision ground steel base and supplied in a hard shell case
- Sapphire test plates are individually serialized for traceability to PTB — includes a Certificate of Calibration
- Certified and labeled in both Metric and Imperial units

**Sample Certificate of Accuracy**

Company Name: \_\_\_\_\_ Date Calibration Performed: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Customer Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Product Description: Surface Profile Standard  
 Model Number: \_\_\_\_\_  
 Serial Number: \_\_\_\_\_  
 Laboratory Temperature: \_\_\_\_\_ °C / \_\_\_\_\_ °F  
 Measurement Uncertainty: \_\_\_\_\_  
 Standard Measurement System (optional): \_\_\_\_\_

| Technique | Resolution (mm) | Resolution (in) | Resolution (mm) | Resolution (in) |
|-----------|-----------------|-----------------|-----------------|-----------------|
| 1         |                 |                 |                 |                 |
| 2         |                 |                 |                 |                 |
| 3         |                 |                 |                 |                 |
| 4         |                 |                 |                 |                 |

Addressed Under Reading Error Surface Reading  
 \*\* An additional user measurement range (200mm) is available by order only.  
 Validity: 12 months

Measurement Performed By: \_\_\_\_\_  
 Title: \_\_\_\_\_

Page 1 of 2

*DeFelsko Certified SPG Standards and included sample certificate of accuracy allow the user to certify the accuracy of depth micrometer surface profile gages in-house.*



| Order Code | Approximate Depth |                   |                    |                     | Accuracy                   |
|------------|-------------------|-------------------|--------------------|---------------------|----------------------------|
|            | Plate 1           | Plate 2           | Plate 3            | Plate 4             |                            |
| STDSPG     | 0                 | 50 µm<br>(2 mils) | 175 µm<br>(7 mils) | 500 µm<br>(20 mils) | ± 1.25 µm<br>(± 0.05 mils) |

**COMES COMPLETE** with a precision ground steel base, 4 sapphire test plates, sample certificate of accuracy, hard shell carrying case and a Certificate of Calibration traceable to PTB.

**Measurement diameter:** 16 mm (0.625")

## Non-Certified Metal Shim

- Provides a quick accuracy check of the instrument
- Allows the user to perform practice measurements
- Consists of a 76 µm (3 mil) check shim and a glass zero plate
- Labeled in both Metric and Imperial units



*A metal shim and glass zero plate are included with every PosiTector SPG*



*Shown with PosiTector SPG (not included)*