

Buchholz Indentation Tester

Instrument Description



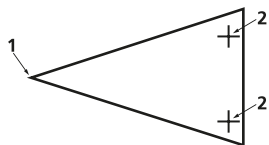
1. Indentation Tool
2. Upper eyepiece to adjust the sharpness of the scale
3. Lower object lens to focus on the surface
4. Illumination

How to perform the Buchholz Indentation?

- Place the indentation tester carefully on the surface for 30 sec.

How to find the indentation mark?

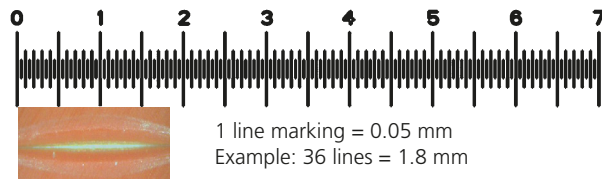
- Mark the position of the instrument pins before lifting it up and without touching the instrument
- Place the plastic guide over the marked position (see picture)



1. Position of indentation
2. Position of pins

How to determine the Buchholz Indentation?

- Adjust the microscope and count the markings



| INDENTATION LENGTH (mm) | INDENTATION RESISTANCE a_b | INDENTATION DEPTH (μm) | min. COATING THICKNESS (μm) |
|-------------------------|------------------------------|-------------------------------------|--|
| 0,4 | 250,0 | 1 | 3 |
| 0,5 | 200,0 | 2 | 6 |
| 0,6 | 166,7 | 3 | 9 |
| 0,7 | 142,9 | 4 | 12 |
| 0,8 | 125,0 | 5 | 15 |
| 0,9 | 111,1 | 7 | 20 |
| 1,0 | 100,0 | 8 | 20 |
| 1,1 | 90,9 | 10 | 20 |
| 1,2 | 83,3 | 12 | 25 |
| 1,3 | 76,9 | 14 | 25 |
| 1,4 | 71,4 | 16 | 30 |
| 1,5 | 66,7 | 19 | 30 |
| 1,6 | 62,5 | 21 | 35 |
| 1,7 | 58,8 | 24 | 35 |
| 1,8 | 55,6 | 27 | 40 |
| 1,9 | 52,6 | 30 | 40 |
| 2,0 | 50,0 | 33 | 45 |