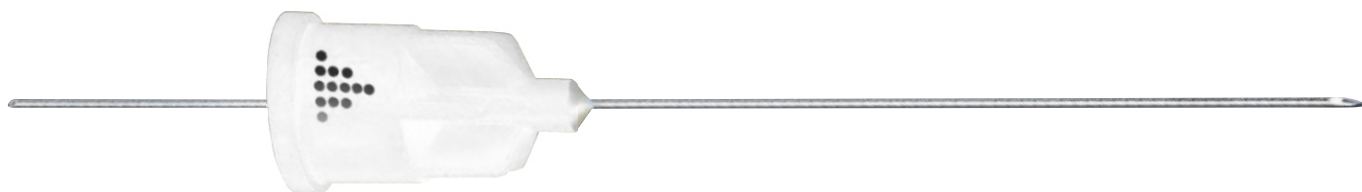


# Orabloc®

## NEEDLES



## MADE IN ITALY

### The NEW standard of quality

Presentation:                      *Orabloc needle name:*

- 30G ES                      *thirty extra short*
- 30G S                      *thirty short*
- 27G S                      *twenty 7 short*
- 27G L                      *twenty 7 long*
- 25G L                      *twenty 5 long*



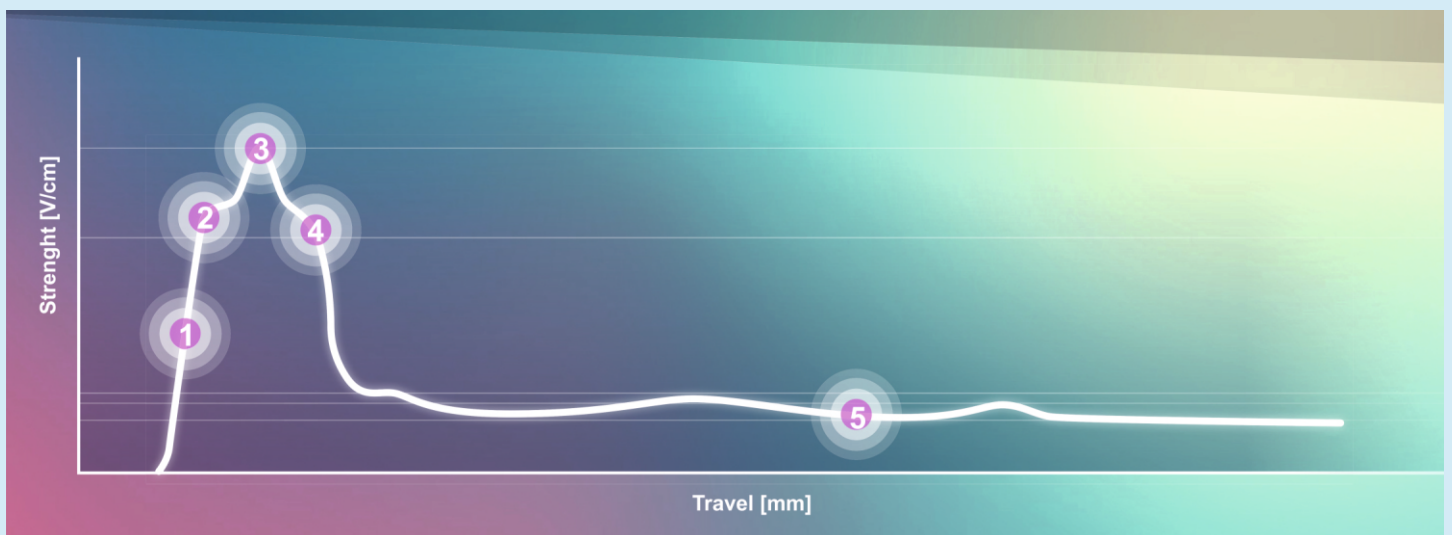
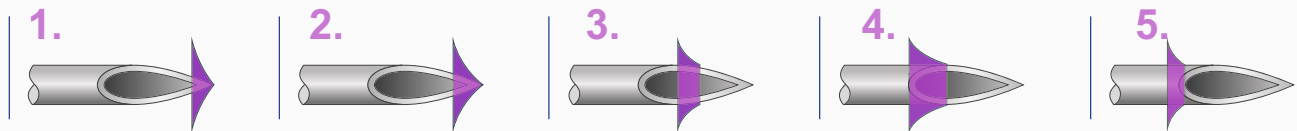
## NEEDLES

Two features distinguish Orabloc needles from the competitors:

- Sharpening to reduce pain perception.
- A perfectly siliconized external needle surface for a smooth injection.

### Needle penetration phases

From the contact of the membrane (phase 1) up to the full drilling of the testing membrane (phase 5)



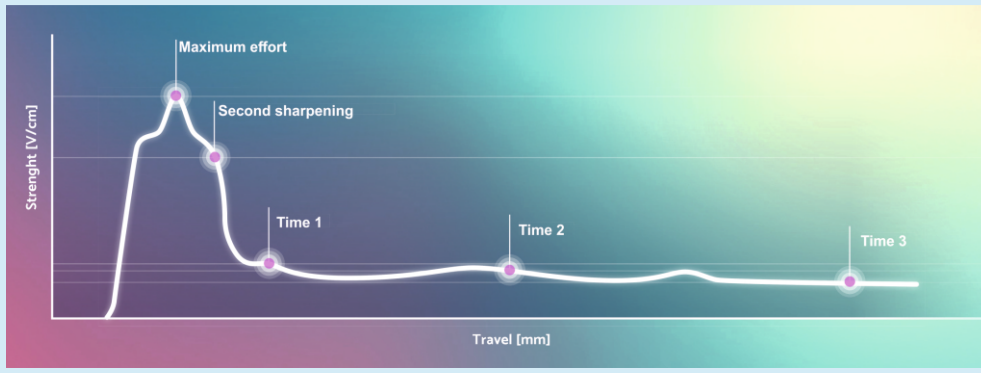
Horizontal axis TRAVEL [mm] is the penetration time of the cannula

Vertical axis STRENGTH [V/cm] electric field strength, every 10mm correspond to 0.1 Volt

*Needle technical features:*

- *triple sharpening*
- *anti coring effect*
- *bevel indicators to orient the tip direction*
- *siliconized to facilitate tissues penetration*
- *EO sterilized*
- *hood with sterility guarantee closure*





Phases measured during the needle penetration test

The force measured in the tests, needed to pierce the membrane with the needle, is transformed into an electric field and measured in volts. The two comparative tables (below) show the collected values: the lower the V/cm value, the lower the force required to pierce the membrane and the better the needle performance.

### Comparative chart analysis of Orabloc needles versus competitors from other countries.

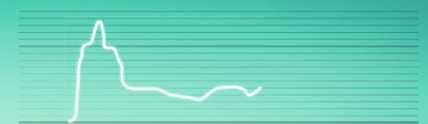
|               | Maximum loading effort [V/cm] | Second sharpening loading [V/cm] | Time 1 loading [V/cm] | Time 2 loading [V/cm] | Time 3 loading [V/cm] |
|---------------|-------------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
| ORABLOC ITALY | 11                            | 7                                | 1                     | 1                     | 1                     |
| GERMANY       | 13                            | 9                                | 4                     | 3                     | 2                     |
| KOREA         | 13                            | 10                               | 2                     | 1                     | 1                     |
| JAPAN 1       | 13                            | 12                               | 4                     | 2                     | 2                     |
| JAPAN 2       | 13                            | 10                               | 6                     | 6                     | 4                     |
| FRANCE        | 13                            | 11                               | 4                     | 3                     | 3                     |



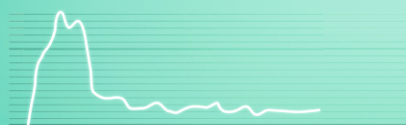
ORABLOC ITALY



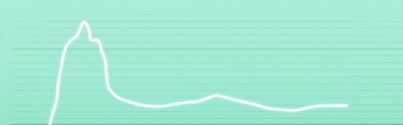
EUROPE 1



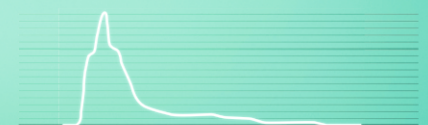
KOREA



JAPAN 1

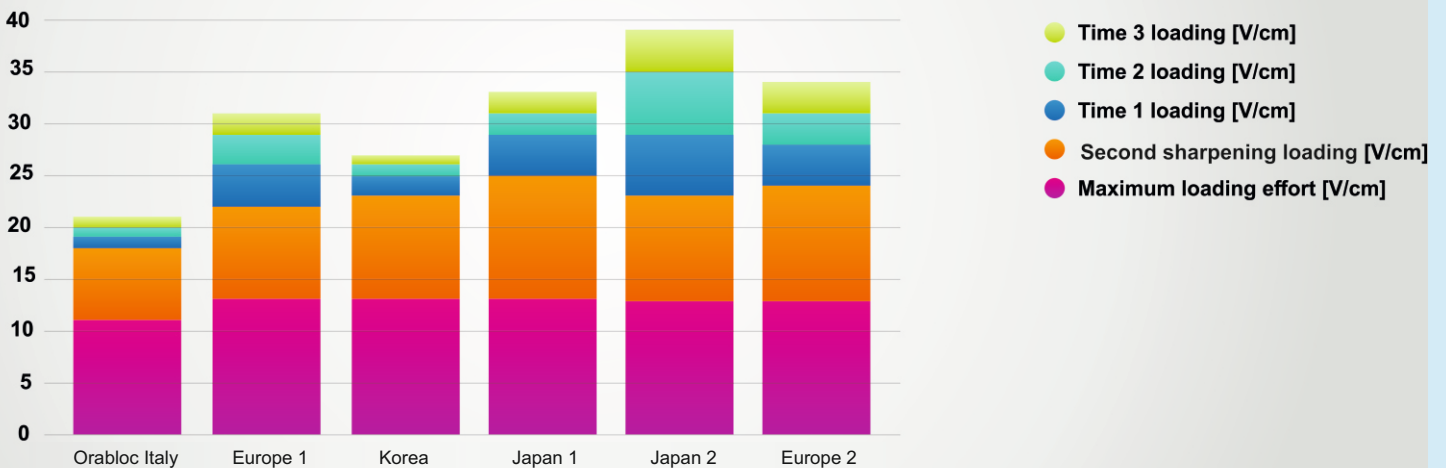


JAPAN 2



EUROPE 2

### Chart showing collected data



Reported data showing the average of the measured values, based on the analysis of a large sample of penetration tests.

The perfect sharpening surface of the needles tested in every penetration phase places the Orabloc needles at the top of the quality standard

## NEEDLES

| Item #    |                    |                |      |   | Type of injection |
|-----------|--------------------|----------------|------|---|-------------------|
| 103003012 | thirty extra short | 30G ES x 3/8"  | 10mm |  | Periapical        |
| 103003025 | thirty short       | 30G S x 1"     | 25mm |  | Periapical        |
| 102704025 | twentyseven short  | 27G S x 1"     | 25mm |  | Periapical        |
| 102704036 | twentyseven long   | 27G L x 1 3/8" | 35mm |  | Nerve block       |
| 102505036 | twentyfive long    | 25G L x 1 3/8" | 35mm |  | Nerve block       |

100 Threaded plastic hub needles per box 10 boxes per case

## Features

