The World’s Thinnest Pen Needle

- Virtually painless insulin injection
- Unique asymmetric edge
- Patented slim double tapered needle
Virtually painless insulin injection

Diabetes patients have long been in search of virtually painless insulin injection. Terumo has made this possible with the advanced NANOPASS 34 – the world’s thinnest pen needle1 with a diameter of only 34G.

NANOPASS 34 reduces pain through several advanced technologies:

1. World’s thinnest pen needle „34G“
2. Asymmetric edge
3. Slim double tapered shape

NANOPASS 34 is 22% thinner than 32G.

- Pain is primarily related to needle thickness. There are 100-200 pain receptors per cm² human skin surface. NANOPASS 34 decreases the probability of touching the pain receptors and therefore makes the insulin injection virtually painless.
- NANOPASS 34 causes less skin trauma than larger needle sizes, which results in less pain.

1. Based on research by Terumo Corporation in August 2012
NANOPASS®
Less pain, every day

2 Asymmetric edge
- The unique asymmetric edge of NANOPASS 34 cuts the skin instead of puncturing it. This decreases the resistance while penetrating the skin. Another step towards virtually painless insulin injection.

3 Slim double tapered shape
- The patented slim double tapered needle shape reduces the insulin injection force significantly. Although the needle tip is 34G, NANOPASS 34 provides less injection force than a conventional 32G pen needle.² NANOPASS 34 combines virtually painless injection with easy handling.

World's Thinnest 34G
NANOPASS

Our challenging goal
... reduce the physical and mental strain of daily insulin injection. With NANOPASS 34 Terumo delivers a smile to everyone looking for a more gentle Insulin therapy.

² Intra company data
Pen needle – fits all pen-injectors (Type A)

Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>TN*3404M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Needle tip diameter</td>
<td>34G (Ø 0.18 mm)</td>
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<tr>
<td>Needle length</td>
<td>4 mm</td>
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<tr>
<td>Packaging size</td>
<td>100 pieces</td>
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