

# NANOPASS<sup>®</sup>

Needle for pen-injectors

## The World's Thinnest Double Tapered Pen Needle<sup>2</sup>



- *Less painful<sup>3</sup> insulin injection*
- *Unique asymmetric edge<sup>4</sup>*
- *Patented slim double tapered needle<sup>4</sup>*



 **TERUMO**

# Because You Care

**NANOPASS<sup>®</sup>**

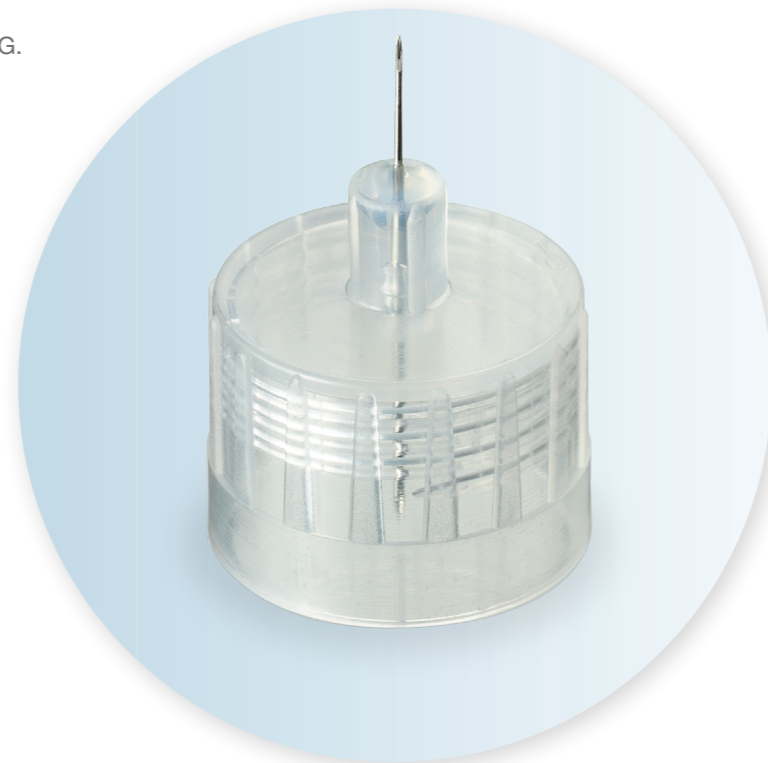
Less pain<sup>3</sup>, every day

## Less painful<sup>3</sup> insulin injection

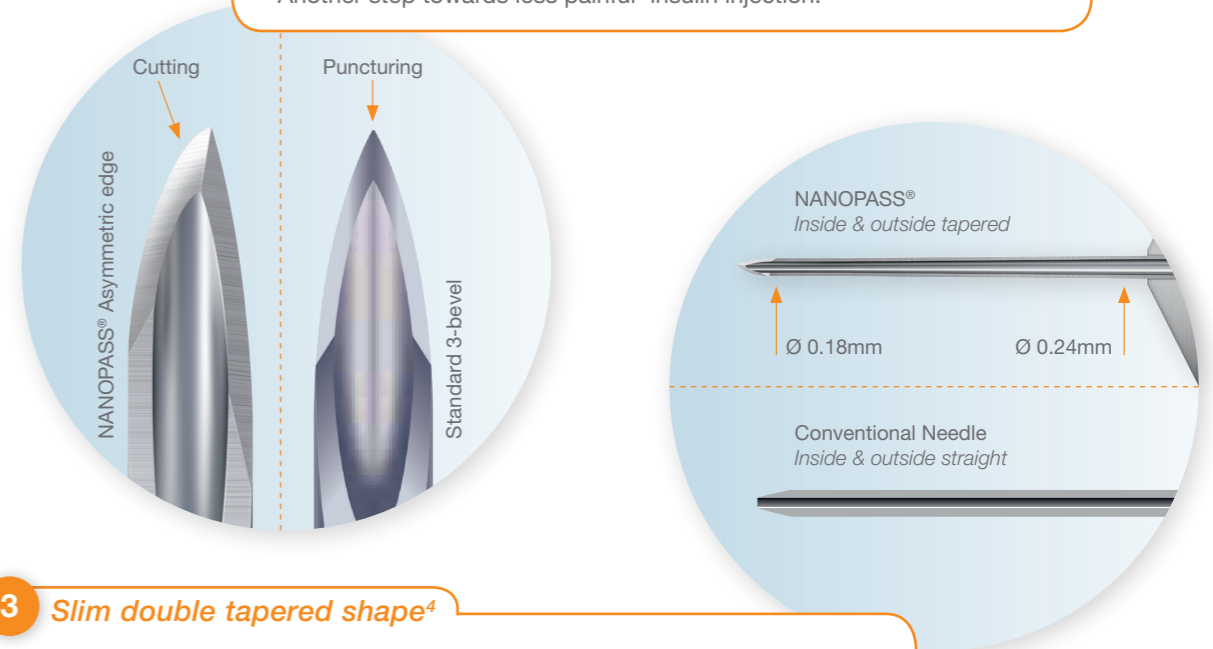
Diabetes patients have long been in search of less painful<sup>3</sup> insulin injection. Terumo has made this possible with the advanced NANOPASS 34 – the world's thinnest double tapered pen needle<sup>2</sup> with a diameter of only 34G.

**NANOPASS 34 reduces pain<sup>3</sup> through several advanced technologies:**

- 1 World's thinnest double tapered pen needle "34G"<sup>2</sup>
- 2 Asymmetric edge<sup>4</sup>
- 3 Slim double tapered shape<sup>4</sup>



**2 Asymmetric edge<sup>4</sup>**  
The unique asymmetric edge<sup>4</sup> of NANOPASS 34 cuts the skin instead of puncturing it. This decreases the resistance while penetrating the skin. Another step towards less painful<sup>3</sup> insulin injection.

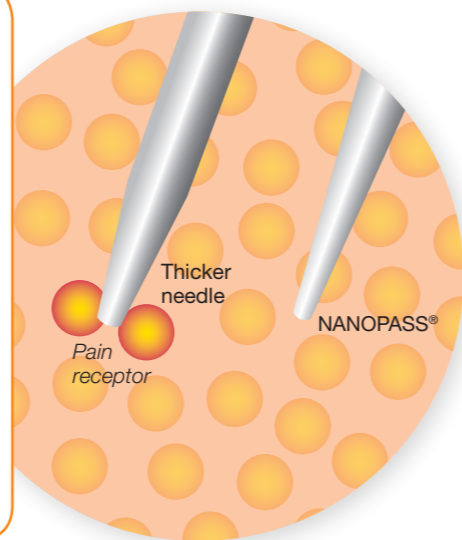


**3 Slim double tapered shape<sup>4</sup>**  
The patented slim double tapered needle shape<sup>4</sup> reduces the insulin injection force significantly. Although the needle tip is 34G, NANOPASS 34 provides less injection force than a conventional 32G pen needle<sup>3</sup>. NANOPASS 34 combines less painful<sup>3</sup> injection with easy handling.

**1 World's thinnest double tapered pen needle "34G"<sup>2</sup>**  
NANOPASS 34 is 22% thinner than 32G.

- Pain is primarily related to needle thickness. There are 100-200 pain receptors per cm<sup>2</sup> human skin surface. NANOPASS 34 decreases the probability of touching the pain receptors and therefore makes the insulin injection less painful<sup>3</sup>.
- NANOPASS 34 causes less skin trauma than larger needle sizes, which results in less pain<sup>3</sup>.

**NANOPASS<sup>®</sup>**



**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.

# NANOPASS® 34G <sup>4mm</sup>

Pen needle fits all common pen-injectors.<sup>5</sup>



Protective seal



Pen needle with screw thread



Inner and outer needle cap

## Specifications

<b>Product Code</b>	TN*3404M
<b>Needle tip diameter</b>	34G (Ø 0.18 mm)
<b>Needle length</b>	4 mm
<b>Packaging size</b>	100 pieces

CE 0197 Does not contain components made of natural rubber latex.

1 Terumo Corporation has launched Nanopass 34G in September 2012.

2 Based on research by Terumo Corporation in May 2017.

3 Asakura T., Seino H., 2013, Jpn J Med Pharm Sci 69(1):137-146. & Asakura T., 2013, Jpn J Med Pharm Sci 69(1):147-155.

4 Patented technology.

5 For detailed list of compatible devices see NANOPASS pen needle boxes.

Visit [www.terumo-diabetes.com](http://www.terumo-diabetes.com)



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