

NANOPASS[®]

Needle for pen-injectors

The World's Thinnest Double Tapered Pen Needle²



- *Less painful³ insulin injection*
- *Unique asymmetric edge⁴*
- *Patented slim double tapered needle⁴*



Because You Care

NANOPASS®

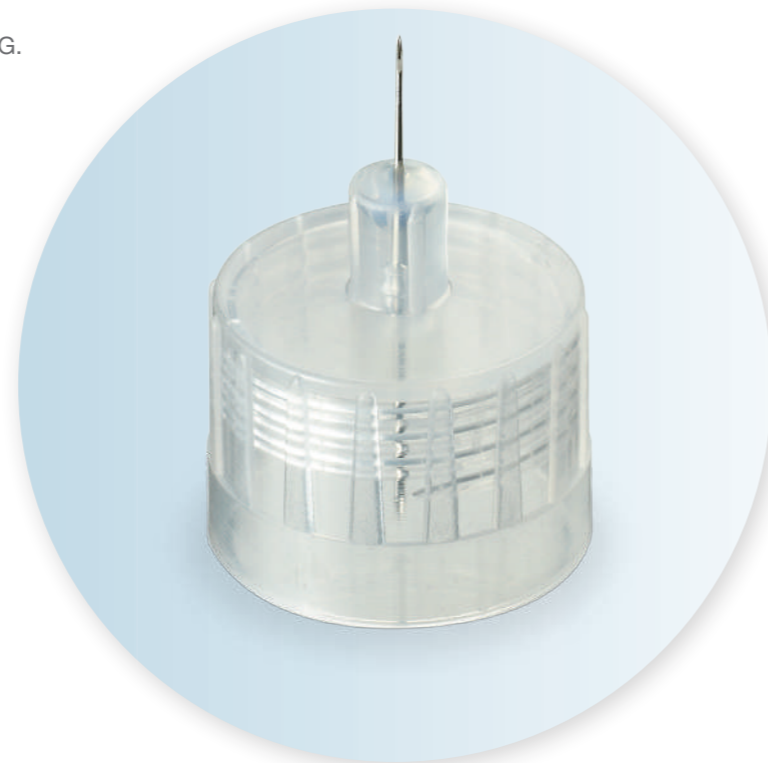
Less pain³, every day

Less painful³ insulin injection

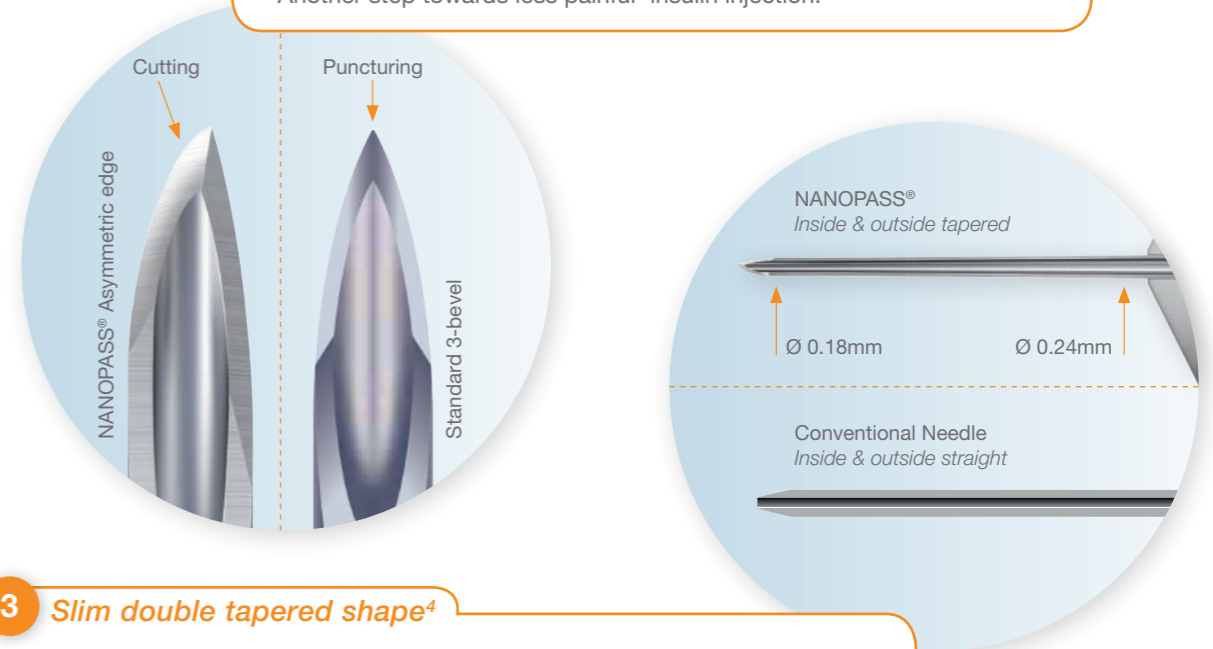
Diabetes patients have long been in search of less painful³ insulin injection. Terumo has made this possible with the advanced NANOPASS 34 – the world's thinnest double tapered pen needle² with a diameter of only 34G.

NANOPASS 34 reduces pain³ through several advanced technologies:

- 1 World's thinnest double tapered pen needle "34G"²
- 2 Asymmetric edge⁴
- 3 Slim double tapered shape⁴



2 Asymmetric edge⁴
The unique asymmetric edge⁴ of NANOPASS 34 cuts the skin instead of puncturing it. This decreases the resistance while penetrating the skin. Another step towards less painful³ insulin injection.

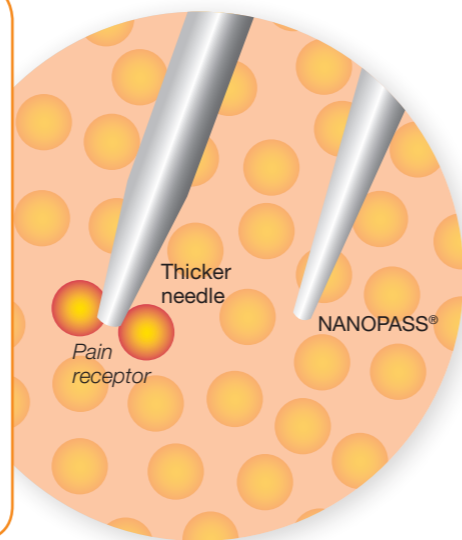


3 Slim double tapered shape⁴
The patented slim double tapered needle shape⁴ reduces the insulin injection force significantly. Although the needle tip is 34G, NANOPASS 34 provides less injection force than a conventional 32G pen needle³. NANOPASS 34 combines less painful³ injection with easy handling.

1 World's thinnest double tapered pen needle "34G"²
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 less painful³.
- NANOPASS 34 causes less skin trauma than larger needle sizes, which results in less pain³.

The diagram shows four circles representing different needle gauges and their diameters: 31G (Ø 0.25mm), 32G (Ø 0.23mm), 33G (Ø 0.20mm), and 34G (Ø 0.18mm). The NANOPASS logo is at the bottom right of this section.



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 4mm

Pen needle fits all common pen-injectors.⁵



Protective seal



Pen needle with screw thread



Inner and outer needle cap

Specifications

Product Code	TN*3404M
Needle tip diameter	34G (Ø 0.18 mm)
Needle length	4 mm
Packaging size	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



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