

Carefully Crafted



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

www.terumo-ps.com

Please note that some products may not be available in all regions, please check with your local TERUMO Pharmaceuticals Solutions contact for details.



Because You Care

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

Our challenging goal

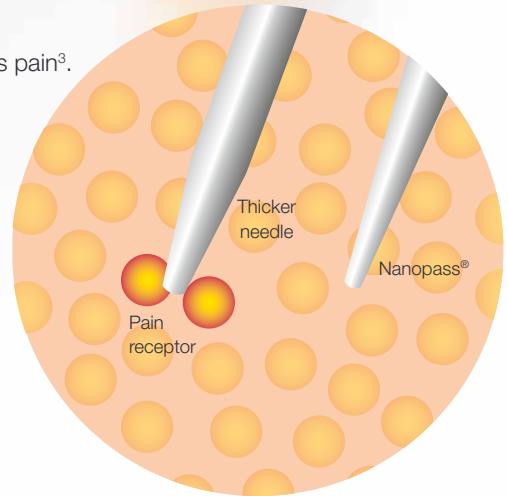
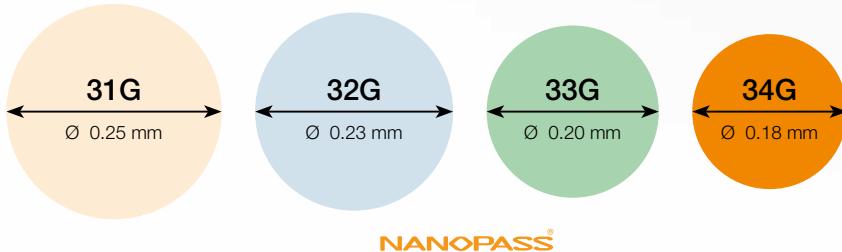
...reduce the physical and mental strain of daily insulin injection.
With NANOPASS 34 Terumo delivers a smile to everyone looking
for a more gentle Insulin therapy.



1 World's thinnest double tapered pen needle “34G”²

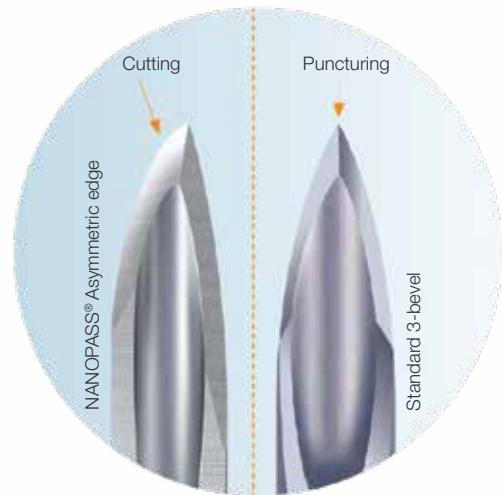
NANOPASS 34 is 22% thinner than 32G.

- 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.



2 Asymmetric edge⁴

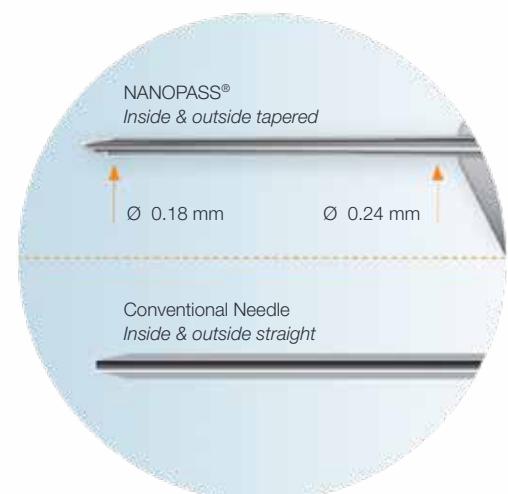
The unique asymmetric edge⁴ of NANOPASS 34 cuts the skin instead of puncturing it. This decreases the resistance while penetrating the skin. Another step towards less painful³ insulin injection.



3 Slim double tapered shape⁴

The patented slim double tapered needle shape 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.



Pen needle fits all common pen-injectors⁵



Specifications Nanopass® 34G (0.18 mm)

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

Does not contain components
made of natural rubber latex.



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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.