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stoma®

Stoma® - Storz am Mark GmbH is a renowned medical technology company specialising in the design, development, and manufacturing of high-quality surgical instruments and equipment.

The design of stoma® instruments is based on three primary pillars.

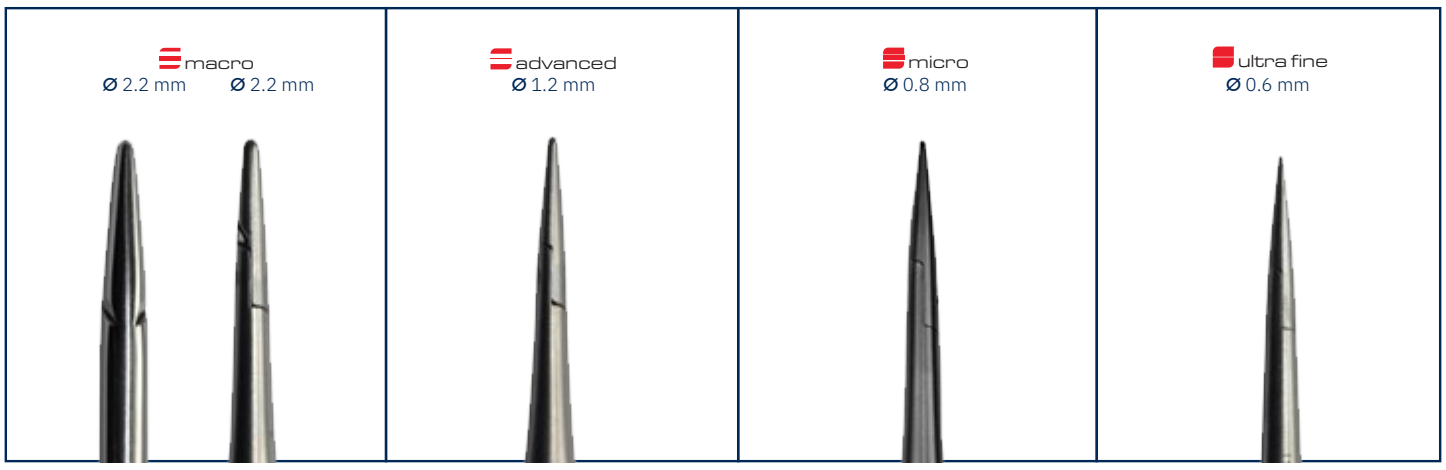
1 stoma® working tip classifications

Stoma® classifies their working tips based on precision, application, and compatibility, offering a variety of designs tailored for specific surgical needs and specialties. This ensures optimal performance, safety, and ergonomic benefits for healthcare professionals thus enhancing patient outcomes.

See a detailed review of stoma® working tip classifications below

Working tip classification	Ideal for	Precision level	Application
macro	General Surgery	Standard	Broad, less delicate procedures where larger incisions or manipulations are necessary.
advanced	Specialised Surgery	High	Procedures requiring more precision than classical Macro instruments but less than Micro. They allow finely sensitive working methods and mark the changeover to micro-surgical techniques
micro	Microsurgery	Very High	Highly detailed micro-surgical work where utmost precision is essential. The fine tips allow for better visualisation when working with simple magnifying glasses.
ultra fine	Ultra Microsurgery	Ultra Precision	Extremely delicate surgeries, often under strong magnification or microscope, requiring the highest precision.

Examples of needle holders for each classification are shown below. The classification system covers many instrument groups including stoma® forceps, needle holders and micro-scissors.



2 stoma® handle design

The handle system of all stoma® dental instruments is meticulously designed for ergonomics and precision. Tailored for dental professionals, they offer balanced weight distribution, reducing hand fatigue during prolonged procedures stoma® handle designs are classified into the following designs:

stoma hy-grip®
Hygienic handle system

- Easy to sterilise
- Well-balanced weight
- Ergonomic design
- Low light reflecting

stoma hy-light®
Hygienic lightness

- The open-handle design makes it easy to sterilise
- Up to 25% weight reduction
- Well-balanced weight
- Low light reflecting

stoma color-stick®
Colour-coded handle concept

- Colour coding promotes rapid instrument identification
- Easy to sterilise
- Ergonomic design
- Well-balanced weight
- Low light reflecting

3 stoma® material

The stoma® team calls on their 100+ years of experience in manufacturing dental instruments and collaborates with the best in the industry to determine the materials used in their manufacturing. The company prides themselves on the use of only the finest materials to manufacture their products. The table below outlines the benefits of various materials used to manufacture stoma dental instruments.

tungsten carbide

Special coating at the working tip prolongs the useful service life of the instrument

wolfram carbide

Special coating at working tips for long useful service life and prevents slipping-off of scissors from tissue and sutures

storrit steel

Subjected to special tempering processes for long useful service life

titanium

Special alloy offers various degree of tempering and biocompatibility

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