

Stoma® - Storz am Mark GmbH is a renowned medical technology company specialising in the design, development, and manufacturing of high-quality dental instruments and equipment. The design of stoma instruments is based on three primary pillars.

## 1 stoma® handle design

All stoma® Dental Instruments' handle systems are 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 as follows:

### 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
- Ergonomic design

### stoma hy-light® dark-line Hygienic lightness

- Open handle design for easy sterilisation.
- Up to 25% weight reduction
- Well-balanced weight
- Ergonomic for user comfort
- Dark surface minimises reflections
- Superior contrast to silver instruments





### stoma color-stick® Colour-coded handle concept

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

## 2 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.



## 3 stoma® working tips coating

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 the working tips of their instruments. The company prides themselves on the use of only the finest materials suit the needs of each instrument.

### 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. stoma's titanium bone screws are suitable for use with Yxoss CBR®.