



Medical Devices

Instruments

Drill bits



Applications: Surgery, orthopedics
 Materials: Hardened stainless steel
 Dimensions: Ø 0.8 – 10 mm, length: up to 400 mm
 Design: Two, three or four flutes, cannulated or non-cannulated, coated or polished
 Manufacturing processes: Turning, grinding, electropolishing, laser marking, color coding

Dental drill bits



Applications: Dental implantology
 Materials: Hardened stainless steel
 Dimensions: Ø 1 – 5 mm
 Design: Two, three or four flutes, with or without internal irrigation, with or without stop
 Manufacturing processes: Turning, grinding, electropolishing, laser marking, color coding

Millers, Reamers



Applications: Maxillofacial/cranial surgery
 Materials: Hardened stainless steel
 Manufacturing processes: Turning, grinding, electropolishing, laser marking, color marking

Torque ratchets



Applications: Dental implantology, surgery
 Materials: Stainless steel
 Torque: 4–32 Ncm, accuracy: ± 10%
 Blades: Torx, Allen, Phillips or customer-specific
 Manufacturing processes: Turning / milling, assembly, laser marking

Distractors



Applications: Maxillofacial/cranial surgery
 Materials: Titanium, stainless steel
 Design: Univectorial/multivectorial systems
 Manufacturing processes: Turning / milling, laser processing, assembly

Wrenches



Applications: Surgery
 Materials: Stainless steel, plastics, titanium
 Design: Fix or flexible shank, single-use or multi-use
 Sterilisation: vapor sterilization, gamma sterilization
 Manufacturing processes: Turning, laser processing, plastic injection, assembly

Instruments

Cement guns



Applications: Orthopedic surgery
 Technical data: Power transmission: 1:6, stroke length: 3.5 mm
 Breaking load: > 3000 N (on tappet)
 Syringe adapter: Customer-specific
 Manufacturing processes: Production, assembly and packaging

Gynecologic and urologic instruments



Applications: Pelvic floor reconstruction
 Materials: Stainless steel, plastics
 Manufacturing processes: Turning, bending, injection molding, assembly

Decompression systems



Applications: Spinal surgery, interspinal decompression
 Materials: Several metal alloys, titanium, plastics
 Manufacturing processes: Turning / milling, laser machining, injection molding, cleanroom assembly, packaging

Shaver



Applications: Arthroscopy
 Materials: plastics, stainless steel
 Cutter blades: Straight or bended, incisor, cutter, burr cutting
 Manufacturing processes: Turning, grinding, laser machining, injection molding, assembly, packaging