

medartis

PRECISION IN FIXATION

PRODUCT INFORMATION

CCS and headedCCS

Cannulated Compression Screws

1.7, 2.2, 3.0, 4.0, 5.0, 7.0



APTUS®

Three times more than before

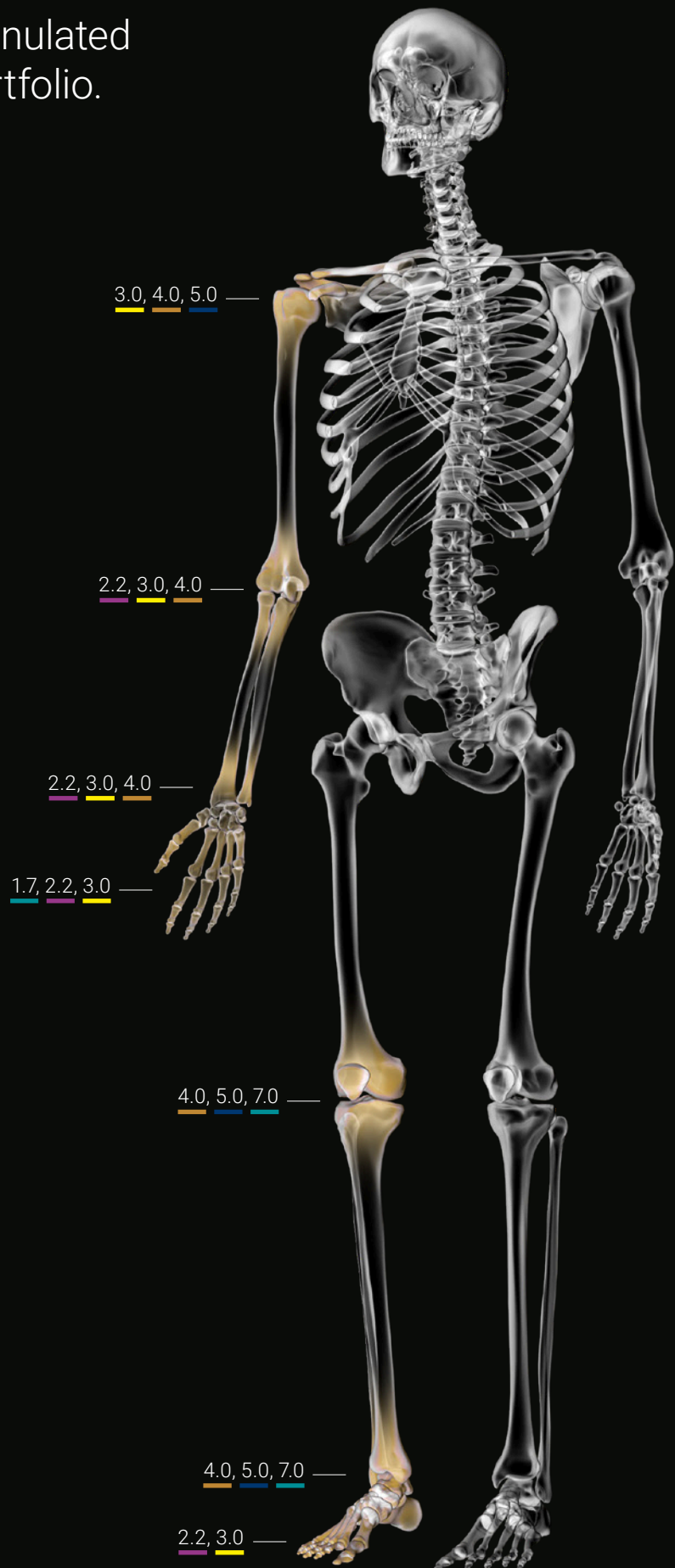
We have tripled our cannulated compression screw portfolio.

6 different diameters
from 1.7 mm – 7.0 mm

3 different thread lengths*

Headed and headless screws

Covering numerous areas of use
across upper and lower limb



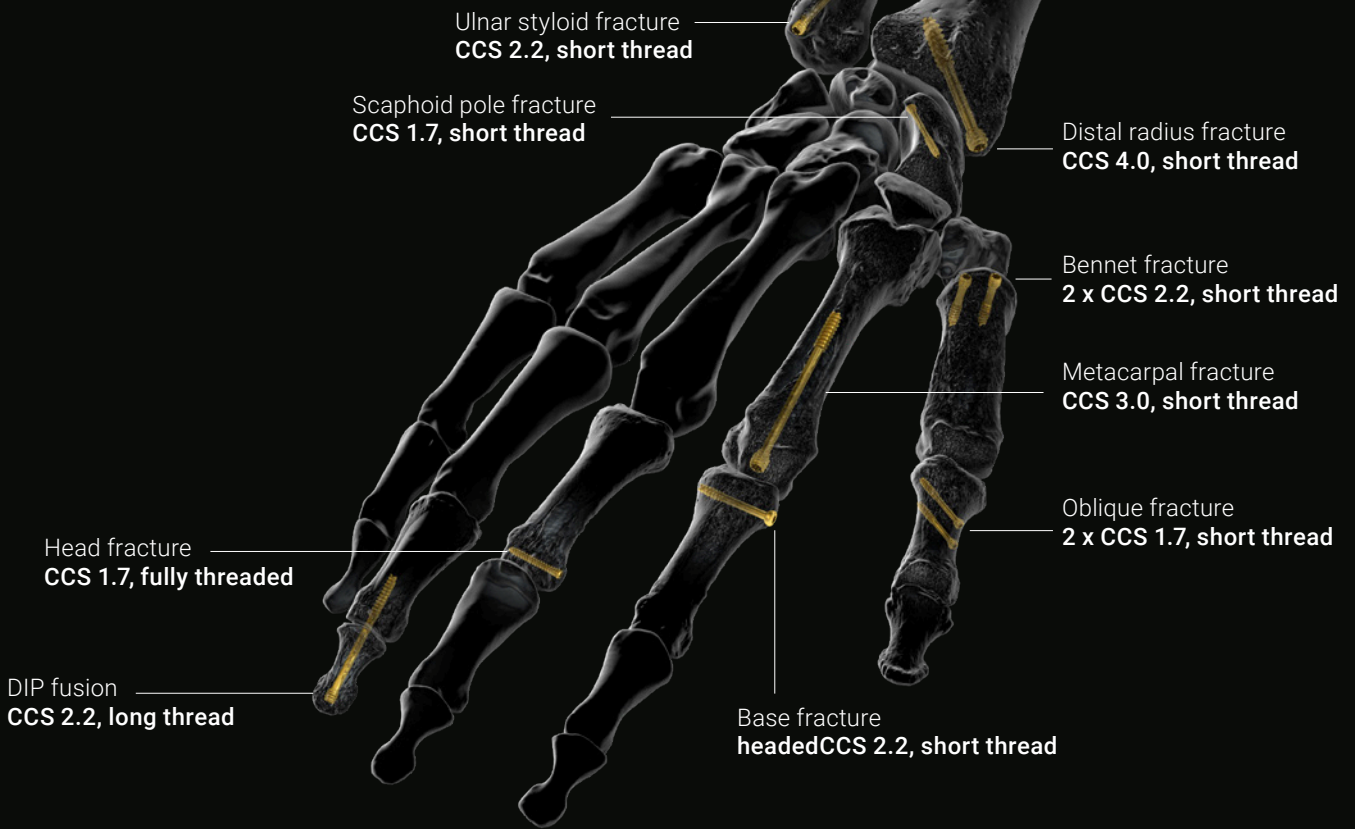
* for diameters 4.0 – 7.0

Comprehensive

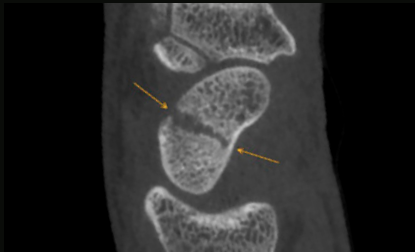
Extension of a proven portfolio

	CCS	NEW headedCCS
NEW 1.7	 <p>8 – 20 mm 6 – 16 mm</p> <p>K-wire Ø 0.6 mm; length 100 mm</p>	
2.2	 <p>10 – 30 mm 22 – 40 mm</p> <p>K-wire Ø 0.8 mm; length 100 mm</p>	 <p>10 – 40 mm 20 – 40 mm</p> <p>K-wire Ø 0.8 mm; length 100 mm</p>
3.0	 <p>10 – 40 mm 26 – 40 mm</p> <p>K-wire Ø 1.1 mm; length 100 mm</p>	 <p>10 – 40 mm 20 – 40 mm</p> <p>K-wire Ø 1.1 mm; length 100 mm</p>
NEW 4.0	 <p>16 – 60 mm 20 – 60 mm 16 – 60 mm</p> <p>K-wire Ø 1.25 mm; length 200 mm</p>	 <p>16 – 60 mm 20 – 60 mm 16 – 60 mm</p> <p>K-wire Ø 1.25 mm; length 200 mm</p>
5.0	 <p>24 – 70 mm 30 – 70 mm 24 – 70 mm</p> <p>K-wire Ø 1.6 mm; length 200 mm</p>	 <p>24 – 70 mm 30 – 70 mm 24 – 70 mm</p> <p>K-wire Ø 1.6 mm; length 200 mm</p>
7.0	 <p>40 – 140 mm 40 – 140 mm 40 – 140 mm</p> <p>K-wire Ø 2.2 mm; length 250 mm</p>	 <p>30 – 140 mm 35 – 140 mm 30 – 140 mm</p> <p>K-wire Ø 2.2 mm; length 250 mm</p>

Examples of Use Upper Extremity



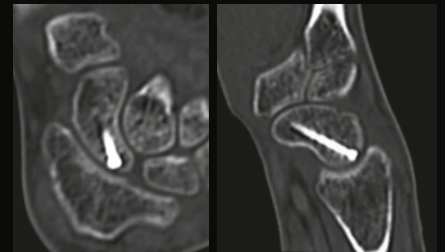
Case 1 – Scaphoid fracture



Preoperative X-ray
Patient: female, 27 years old
Stumbling fall ended in a scaphoid fracture

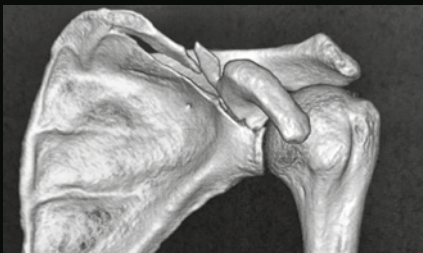


Intraoperative X-ray
Scaphoid fixation with a CCS 1.7, long thread

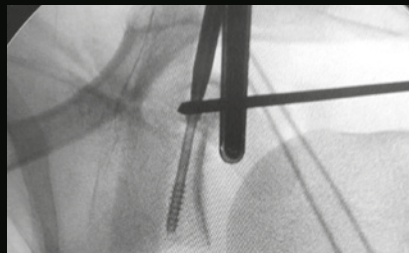


Postoperative CT
after 3 months with healed scaphoid bone

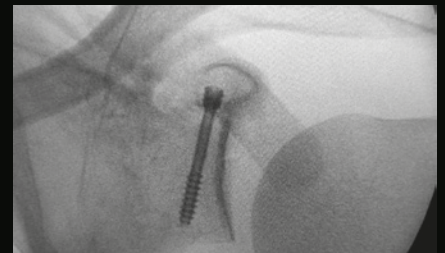
Case 2 – Glenoid fracture



Preoperative X-ray
Patient: male, 40 years old
Ideberg type 3 intraarticular superior glenoid fracture with scapular extension and comminution



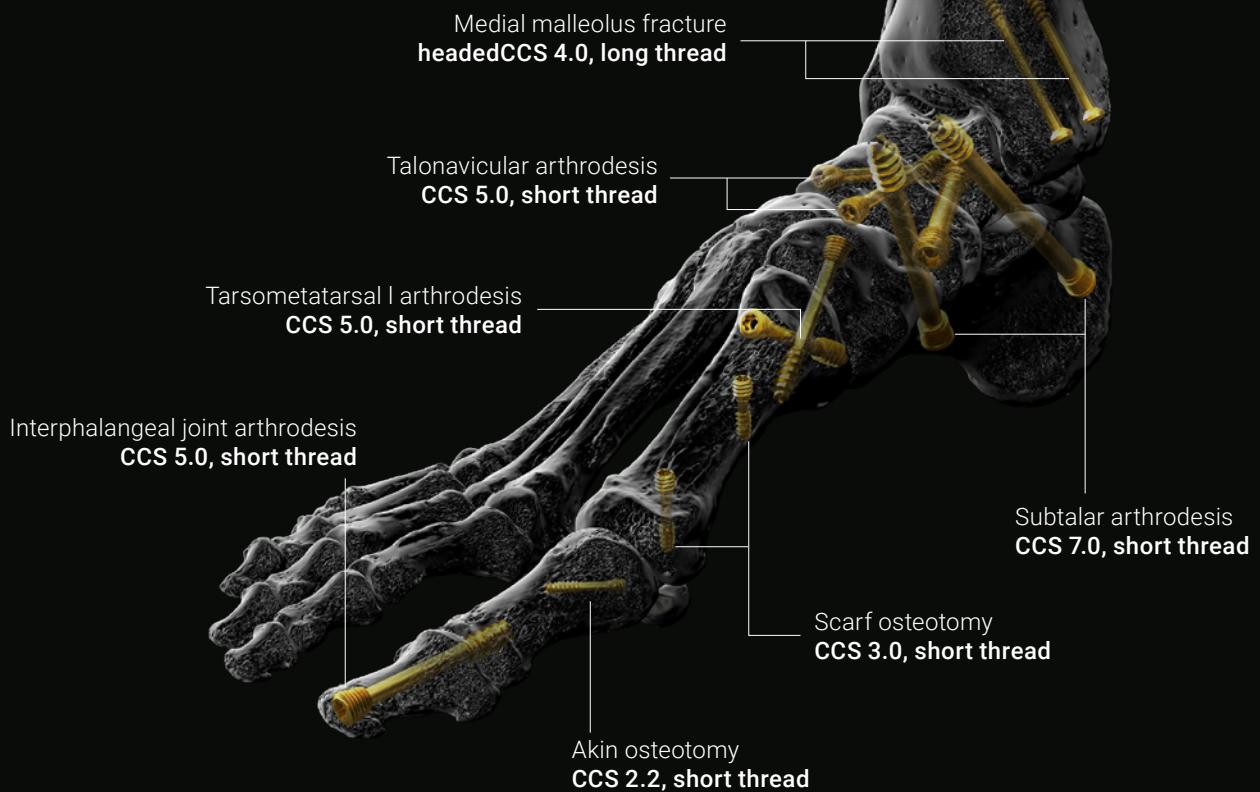
Intraoperative X-ray
Arthroscopic assisted closed reduction and internal fixation with a CCS 4.0 with long distal thread



Intraoperative X-ray

Clinical cases published with the kind permission of: N. Schelhorn, R. Fricker, Switzerland (1) | S. Raniga, Australia (2)

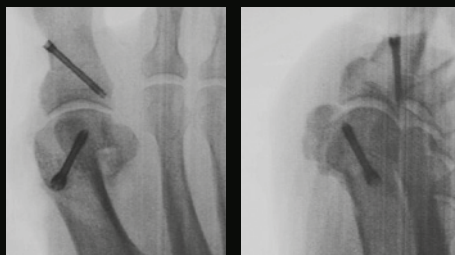
Examples of Use Lower Extremity



Case 1 – Hallux valgus correction



Preoperative X-ray
Patient: female, 50 years old



Intraoperative X-rays
Chevron-Akin osteotomy for correction
with a CCS 2.2 and a CCS 3.0



Postoperative X-ray
6 weeks after surgery

Case 2 – Double arthrodesis



Preoperative X-rays
Patient: female, 75 years old
Talonavicular osteoarthritis and partial navicular necrosis



Postoperative X-rays
Healed arthrodesis after 5 months
Use of 2 x CCS 5.0 and 2 x CCS 7.0

Clinical cases published with the kind permission of: U. Hefti, Switzerland (1) | C. Plaass, Germany (2)

Consistent

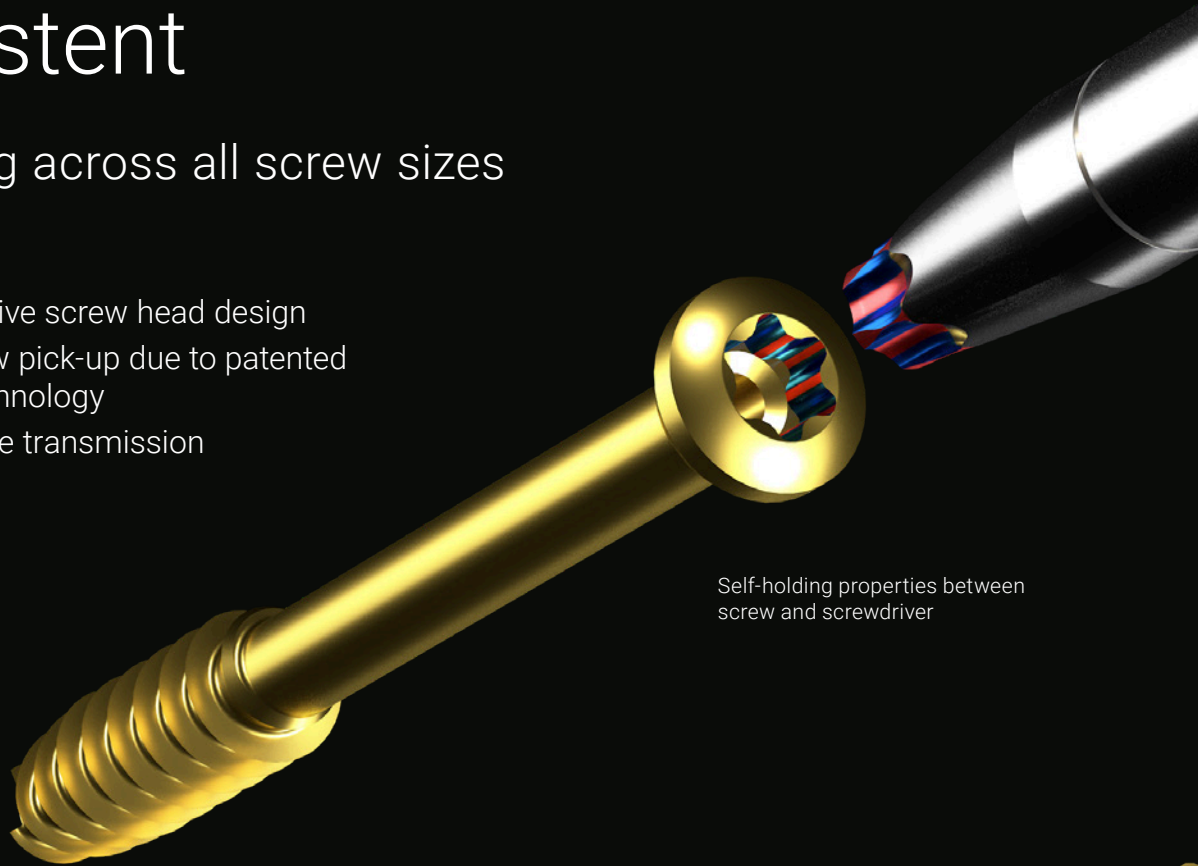
Self-holding across all screw sizes

Patented HexaDrive screw head design

- Simplified screw pick-up due to patented self-holding technology
- Increased torque transmission



Self-holding properties between screw and screwdriver

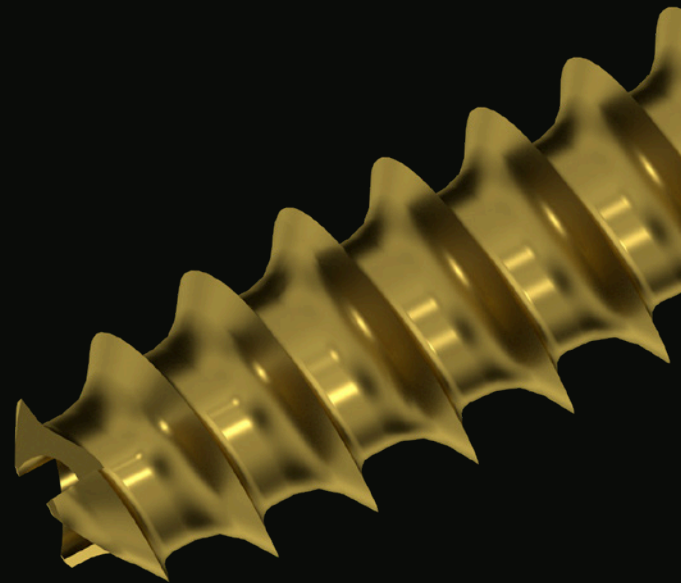


Sharp

Clear benefits for surgeons

Patented SpeedTip thread design

- Functionally unique cutting with immediate bite ¹
- Immediate cutting of the bone with only slight axial pressure
- The triangular tip design permits simultaneous drilling, tapping and compression of the bone tissue during insertion for increased pull-out stability ^{2,3}
- Reduced insertion torque thanks to the polygonal tip and tapered shaft



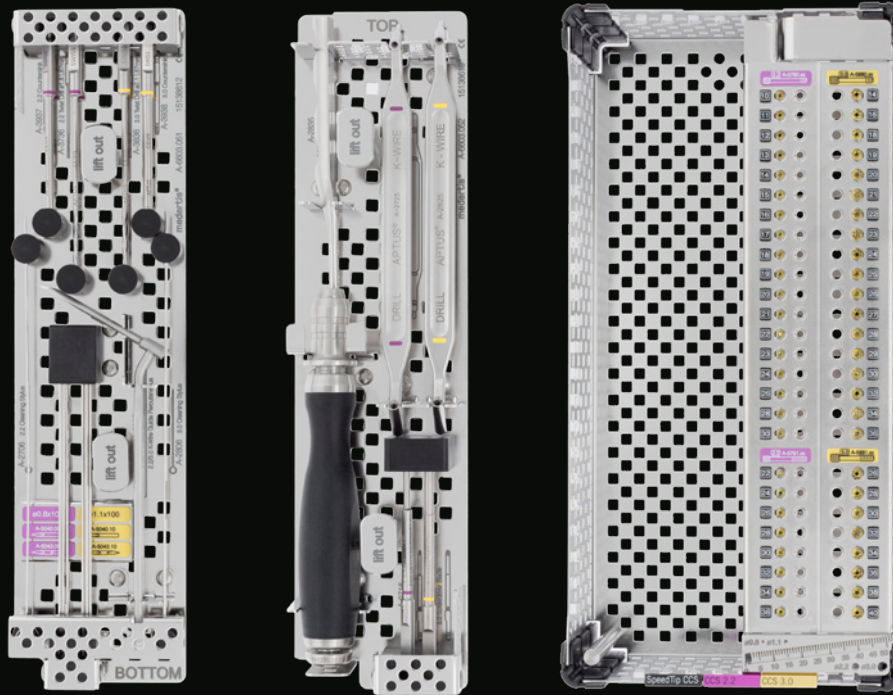
¹ Spiegel, A.; Pochlatko, N.; Zeuner, H.; Lang, A.: Biomechanical Tests of Different Cannulated Compression Screws (on file; Medartis AG, Switzerland)

² Heidemann, W.; Terheyden, H.; Gerlach, K. L.: Analysis of the osseous / metal interface of drill free screws and self-tapping screws (Journal of Cranio-Maxillofacial Surgery, 2001, 29, 69 – 74)

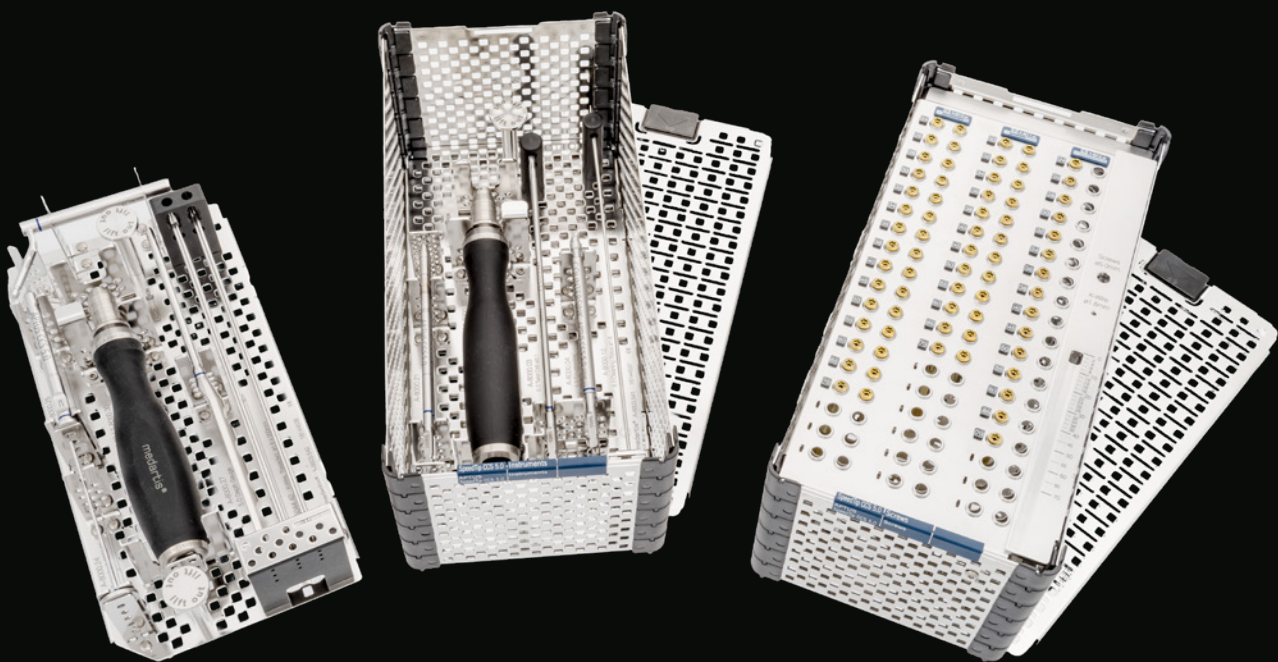
³ Heidemann, W.; Terheyden, H.; Gerlach, K. L.: In-vivo-Untersuchungen zum Schrauben-Knochen-Kontakt von Drill-Free-Schrauben und herkömmlichen selbstschneidenden Schrauben (Mund Kiefer GesichtsChir 5 2001: 17 – 21)

Storage

- Compact containers
- Streamlined organization of implants and instruments
- Container with validated cleaning and sterilization of the implants
- Easy to use



Example of an equipped CCS 2.2, 3.0 implant case including two instrument trays



Example of an equipped CCS 5.0 implant case including two instrument trays

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