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

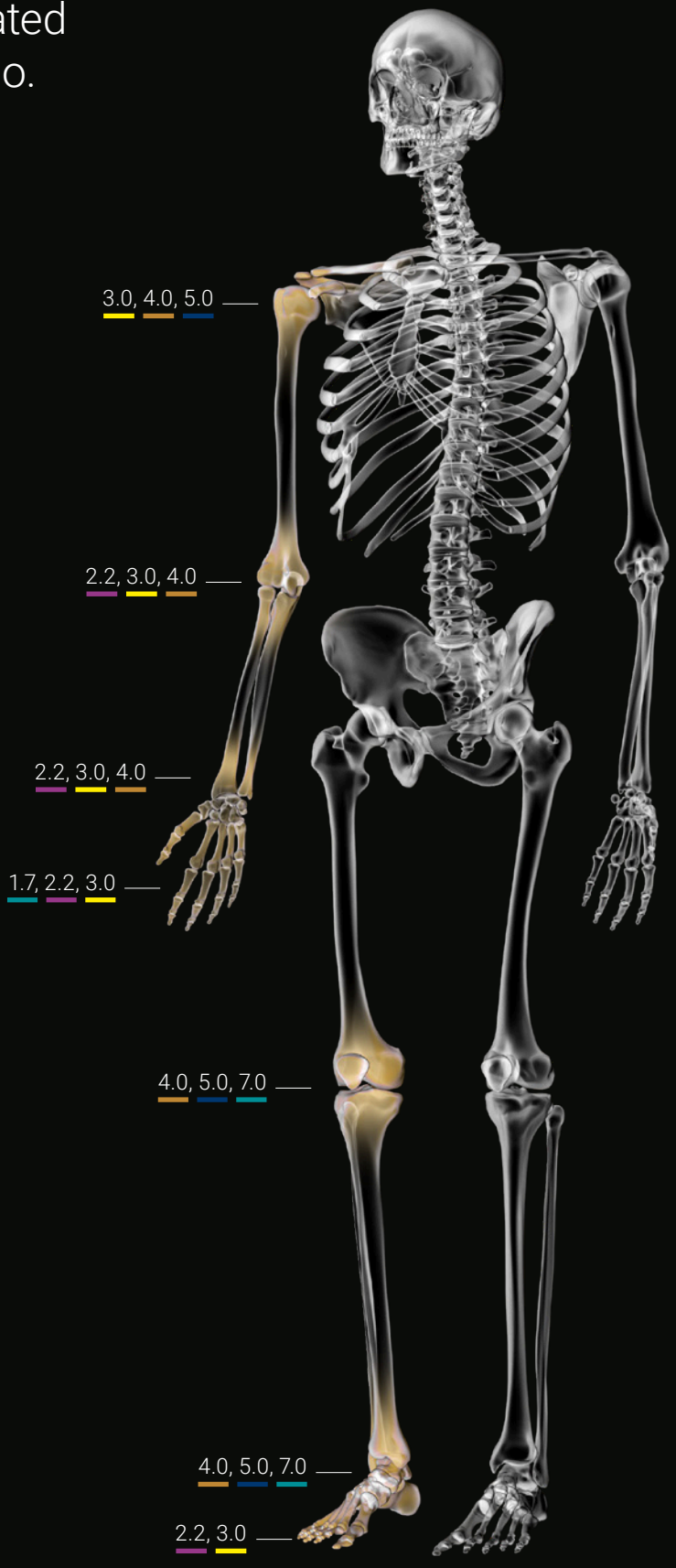
We have tripled our cannulated compression screw portfolio.

6 different diameters
from 1.7 mm – 7.0 mm

3 different thread lengths*

Headed and headless screws

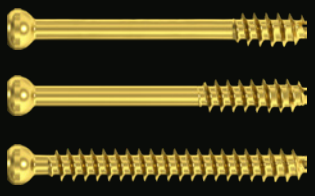
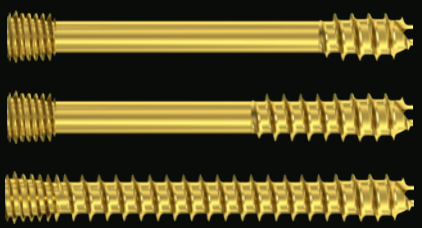
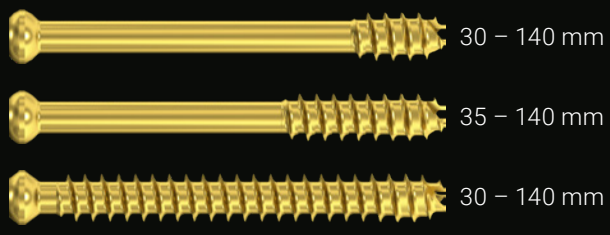
Covering numerous areas of use
across upper and lower limb



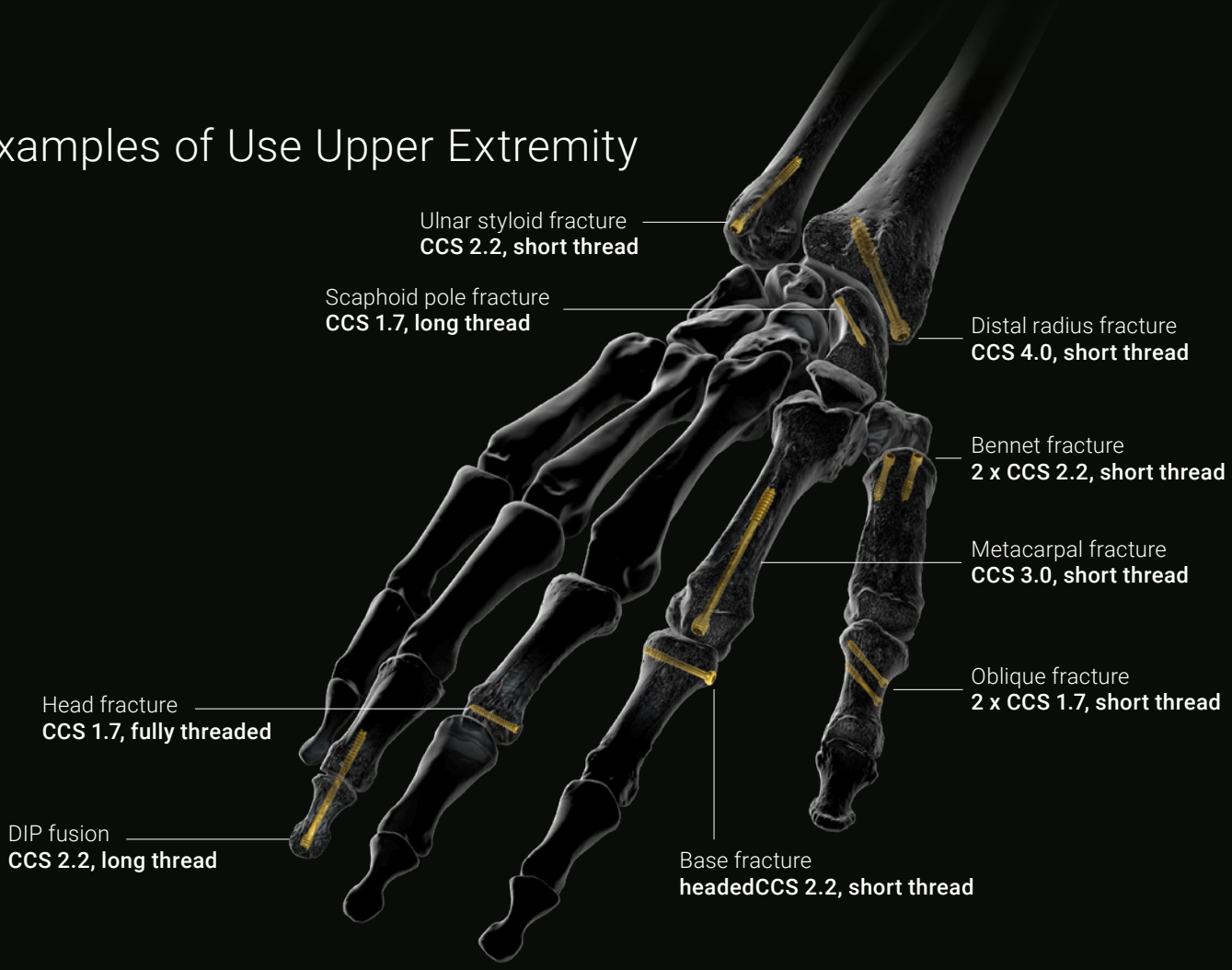
* for diameters 4.0 – 7.0

Comprehensive

Extension of a proven portfolio

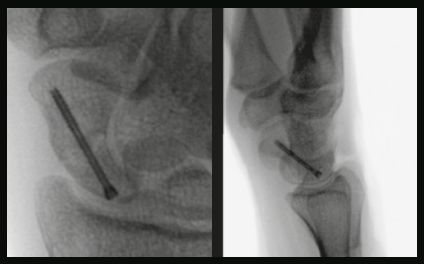
	CCS	NEW headedCCS
NEW 1.7	 8 – 20 mm 6 – 16 mm K-wire Ø 0.6 mm; length 100 mm	
2.2	 10 – 30 mm 22 – 40 mm K-wire Ø 0.8 mm; length 100 mm	 10 – 40 mm 20 – 40 mm K-wire Ø 0.8 mm; length 100 mm
3.0	 10 – 40 mm 26 – 40 mm K-wire Ø 1.1 mm; length 100 mm	 10 – 40 mm 20 – 40 mm K-wire Ø 1.1 mm; length 100 mm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

Examples of Use Upper Extremity

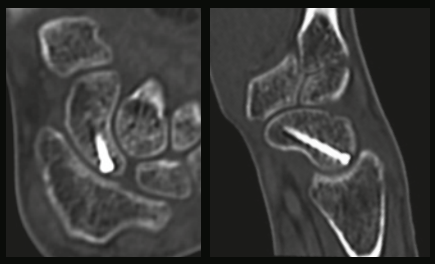


Case 1 – Scaphoid fracture

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



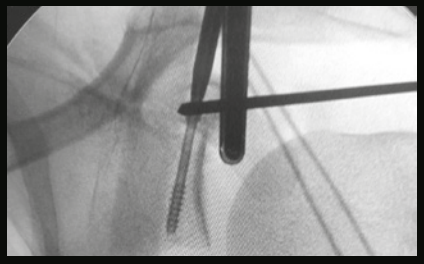
Intraoperative X-ray
Scaphoid fixation with a CCS 1.7, long thread



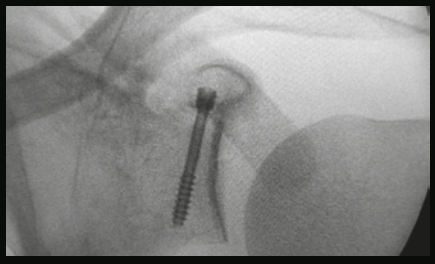
Postoperative CT
after 3 months with healed scaphoid bone

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

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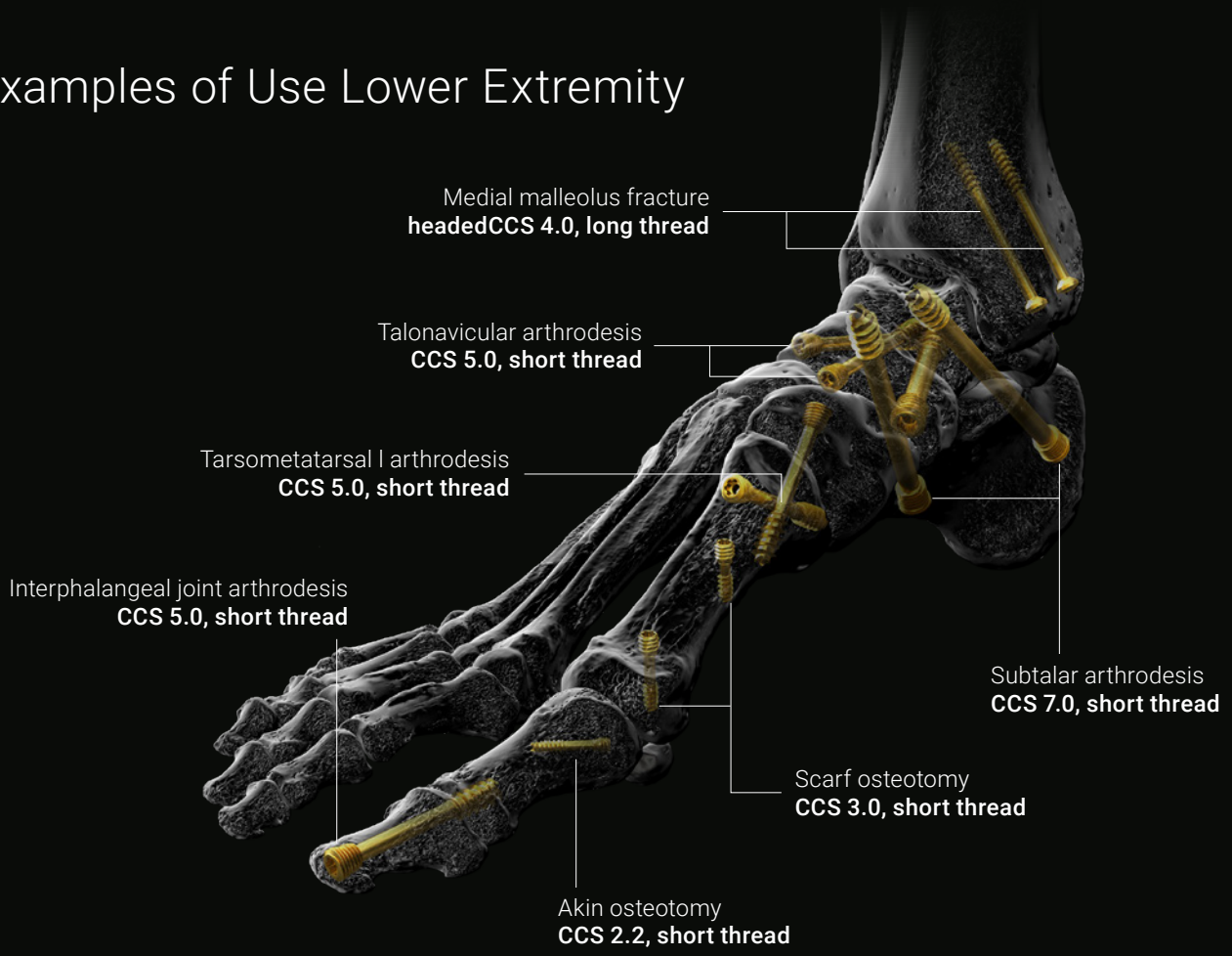
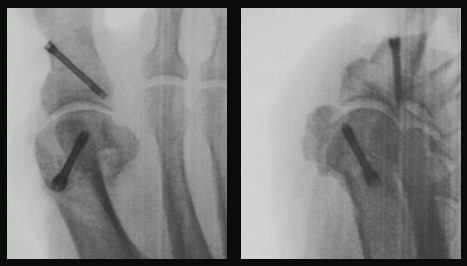
Examples of Use Lower Extremity



Case 1 – Hallux valgus correction

Preoperative X-ray
Patient: female, 50 years old

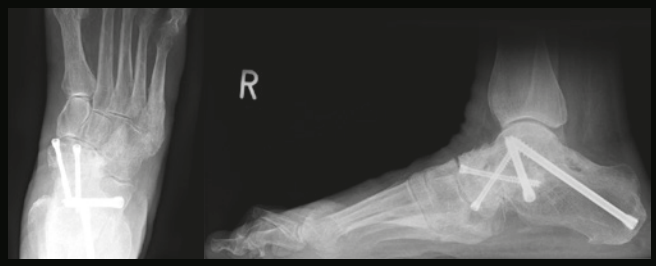


Intraoperative X-rays
Chevron-Akin osteotomy for correction
with a CCS 2.2 and a CCS 3.0

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

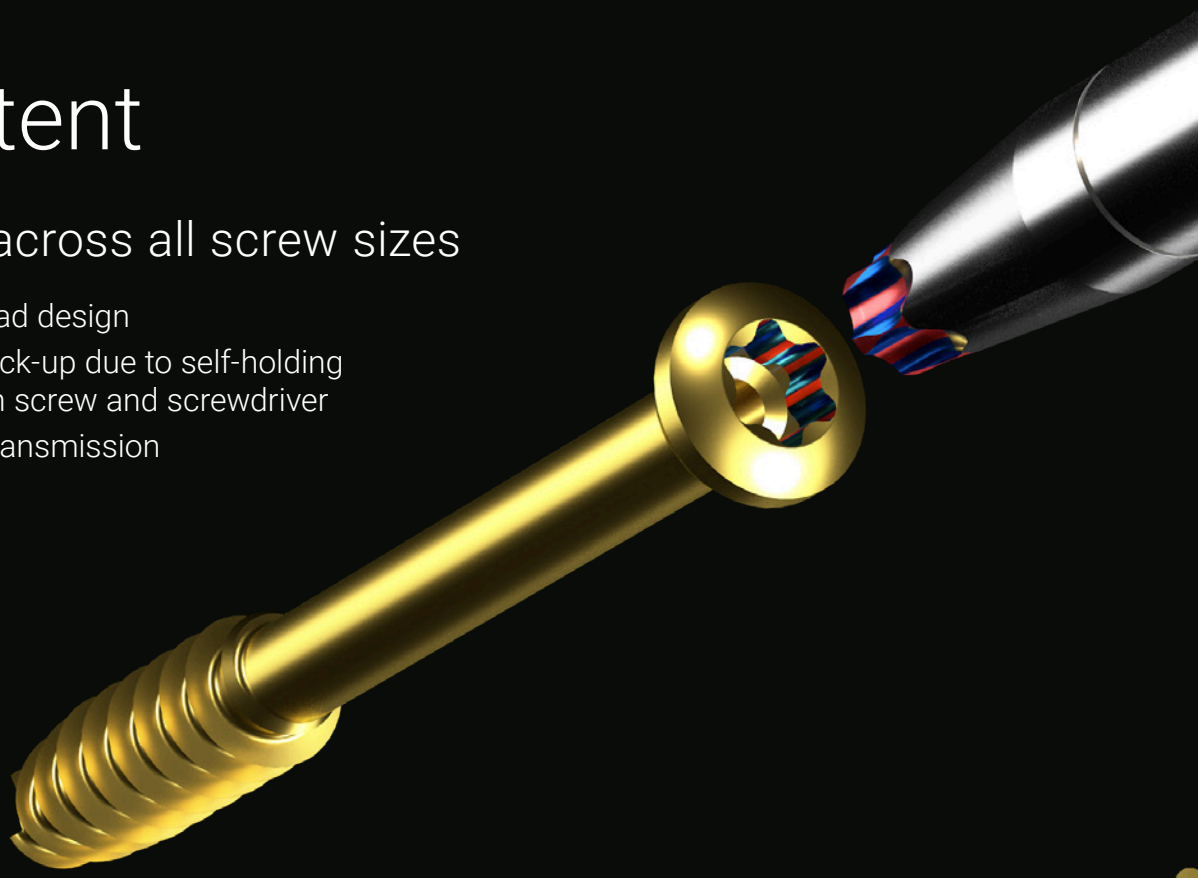
Clinical cases published with the kind permission of: U. Hefti, Switzerland (1) I C. Plaass, Germany (2)

Consistent

Self-holding across all screw sizes

HexaDrive screw head design

- Simplified screw pick-up due to self-holding properties between screw and screwdriver
- Increased torque transmission

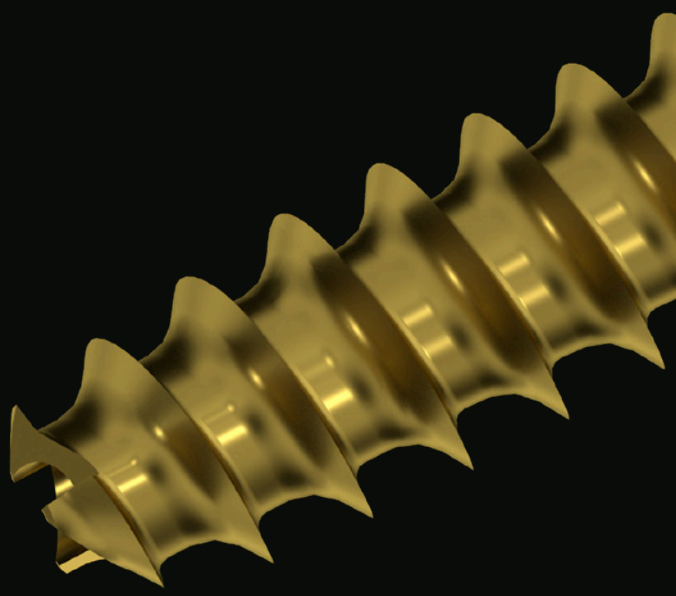


Sharp

Clear benefits for surgeons

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



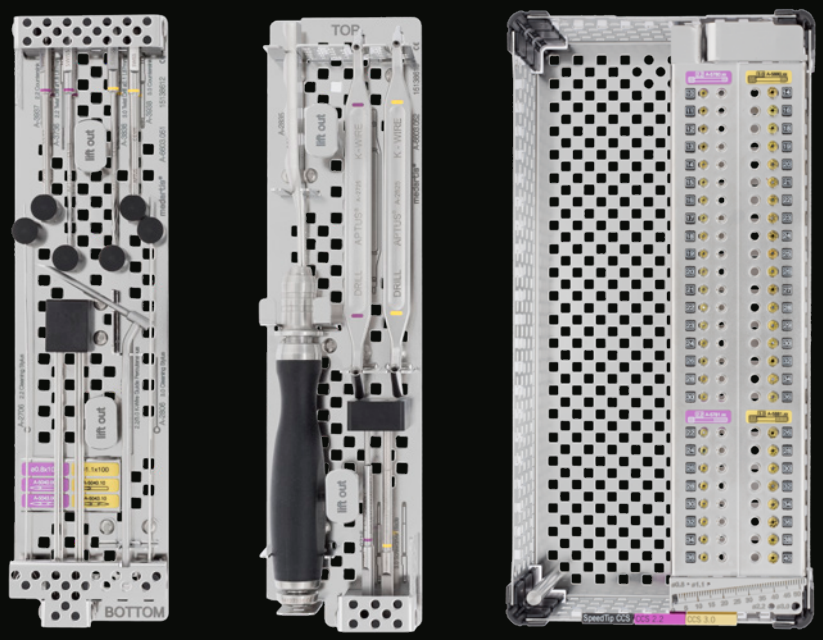
[1] Spiegel, A.; Pochlatko, N.; Zeuner, H.; Lang, A.: Biomechanical Tests of Different Cannulated Compression Screws (on file; Medartis AG, Switzerland)

[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)

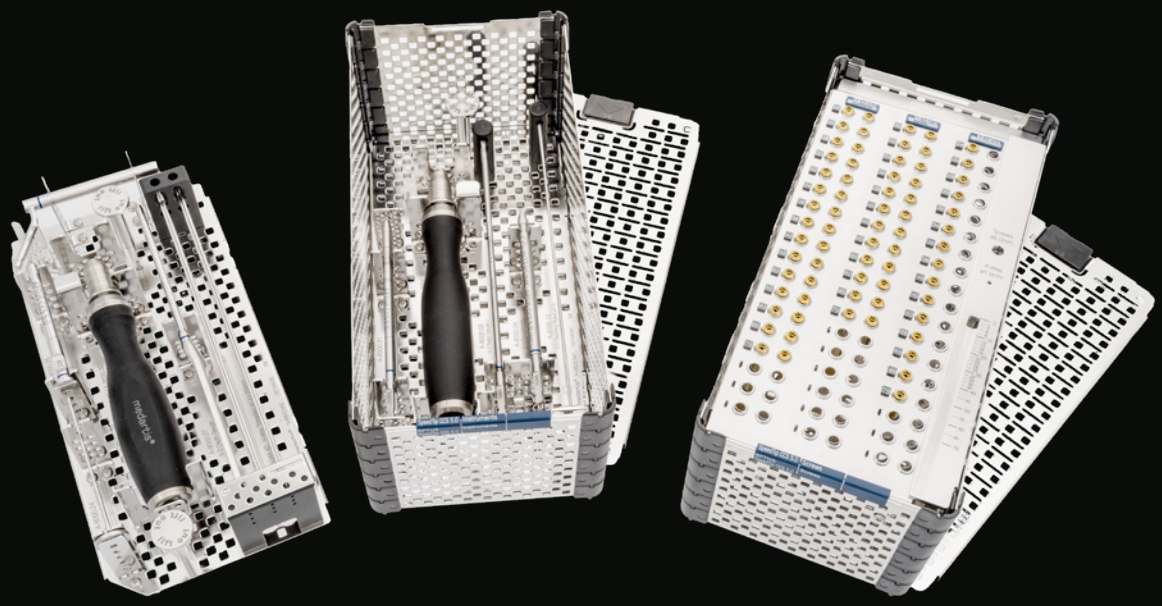
[3] Heidemann, W.; Terheyden, H.; Gerlach, K. L.: In-vivo-Untersuchungen zum Schrauben-Knochen-Kontakt von Drill-Free- Schrauben und herkömmlichen selbstschneidenden Schrauben (Mund Kiefer GesichtsChir 5 2001: 17 – 21)

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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