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F.A.S.T.[®]

Foot & Ankle Surgery Technologies

SURGICAL
TECHNIQUE

Serf Extremity introduces its new range of F.A.S.T.® screws specifically dedicated to extremities surgery.

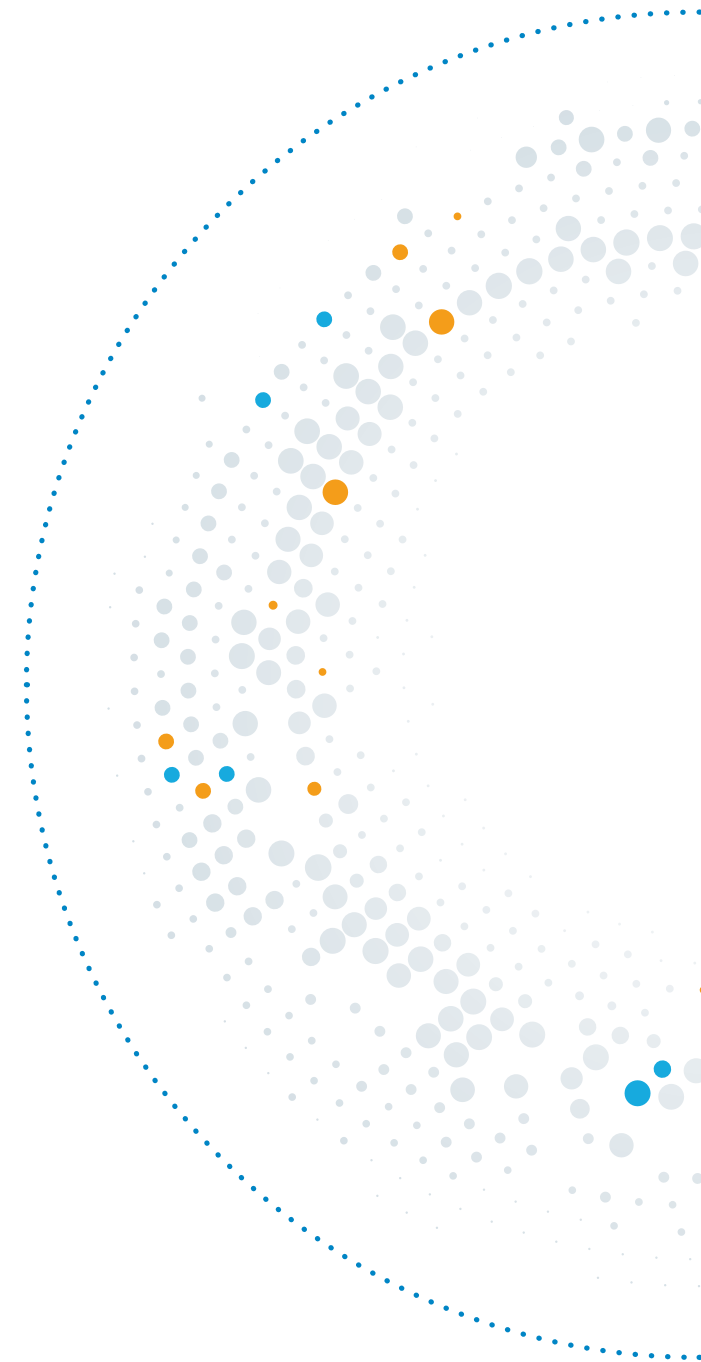
This range has been developed in close cooperation with expert surgeons and is suitable for a wide variety of surgical indications including forefoot, midfoot and hindfoot surgery.

Particular attention has been paid to the technical features of each available screw.

The large F.A.S.T.® range allows each surgeon to find the screw adapted to his own surgical technique.

The ergonomics and interchangeability of the associated instruments, which were reduced in number and size, were also taken into account at each stage of the F.A.S.T.® screw development process.

Color-coding of instruments permits easy visual identification and a fast pickup by the surgical team.



Access to the F.A.S.T.® screw Instruction Manual:



<http://doc.serf.fr/0212.pdf>

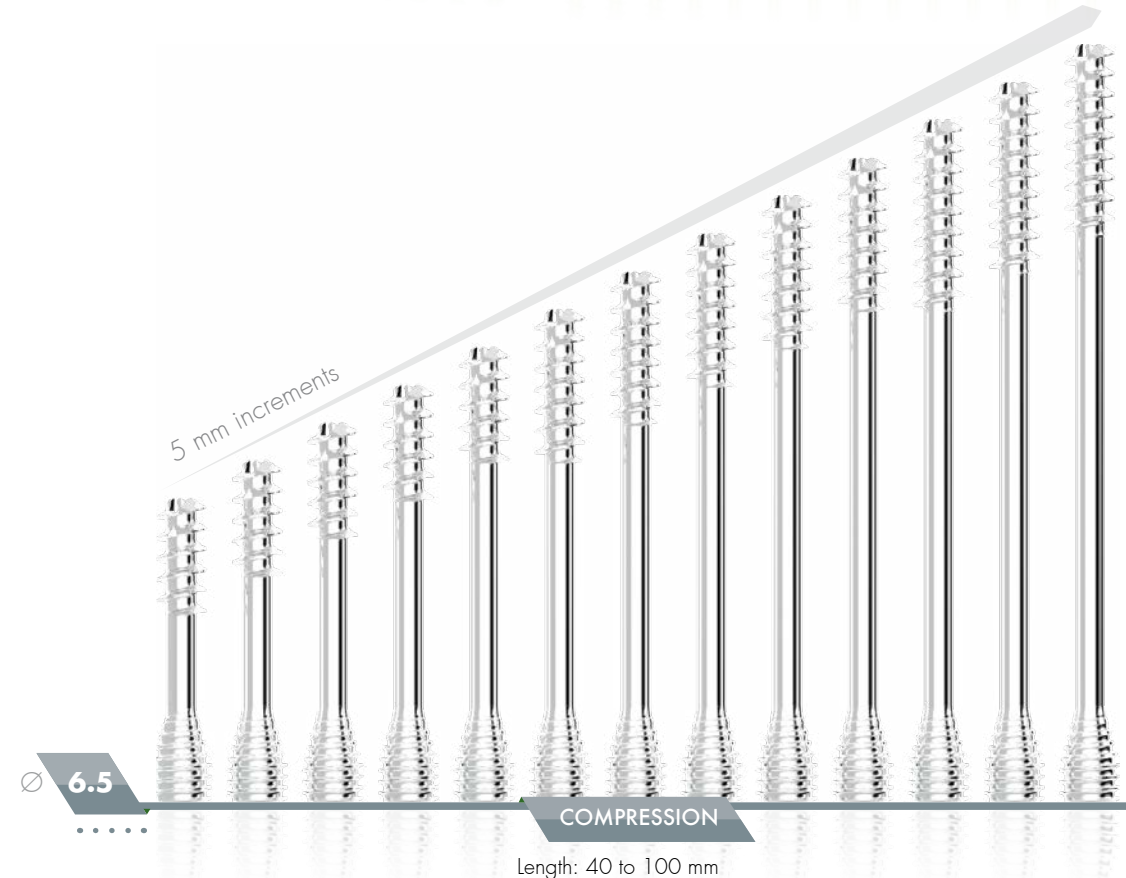
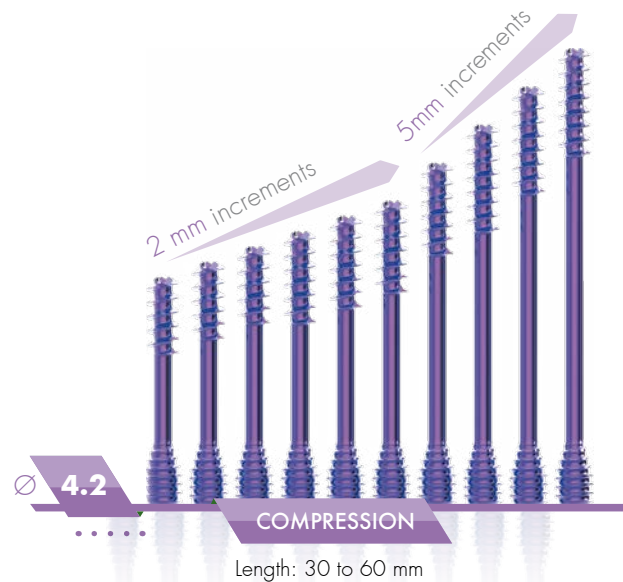
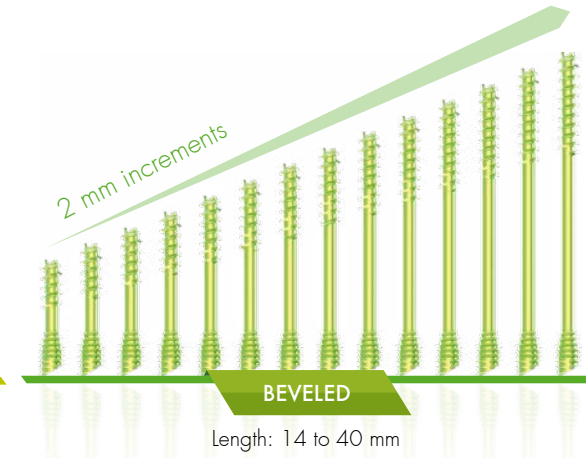
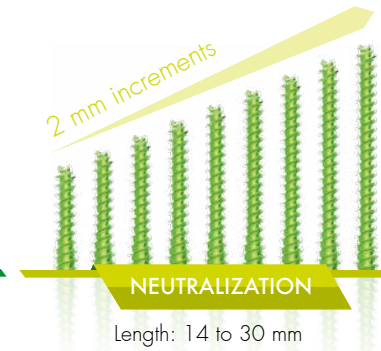
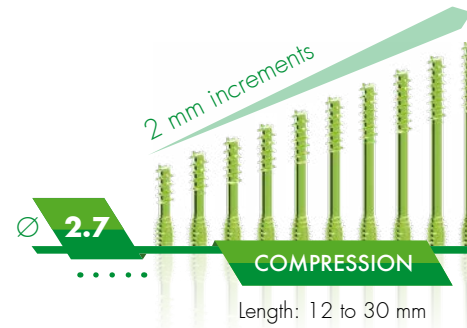
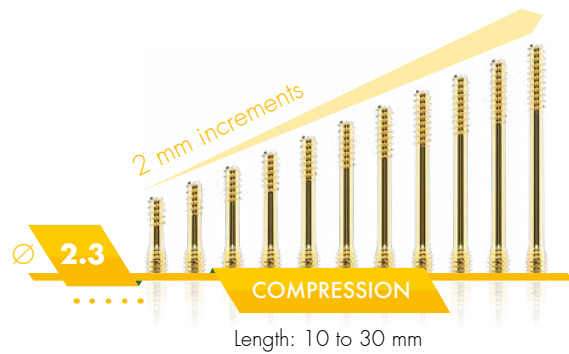


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RANGE OVERVIEW

Raw material: Titanium TA6V ELI ISO 5832-3



Ø 3.2

2 mm increments

COMPRESSION

Length: 14 à 40 mm

2 mm increments / 30°

2 mm increments / 40°

BEVELED

Length: 16 to 40 mm

Length: 42 to 60 mm

5 mm increments

NEUTRALIZATION

Length: 40 to 100 mm

5 mm increments

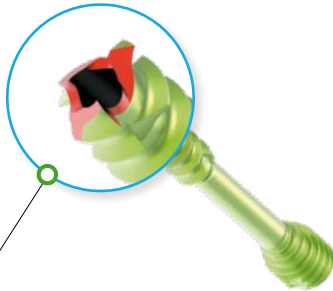
BEVELED

Length: 40 to 90 mm

OVERALL FEATURES

SELF DRILLING

F.A.S.T.® screws feature a self drilling section for direct insertion into the bone.



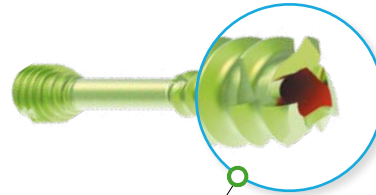
MAXIMIZED K-WIRE

F.A.S.T.® screw design allows the use of large diameter K-wires:

F.A.S.T.® Ø 2.3 : Ø 1.0 x 80 mm

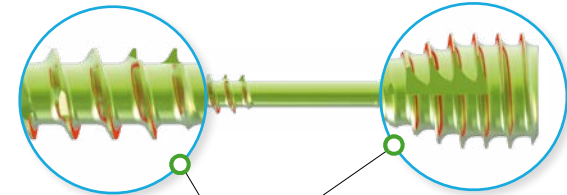
F.A.S.T.® Ø 2.7 / Ø 3.2 / Ø 4.2 : Ø 1.2 x 120 mm

F.A.S.T.® Ø 6.5 : Ø 2.2 x 230 mm



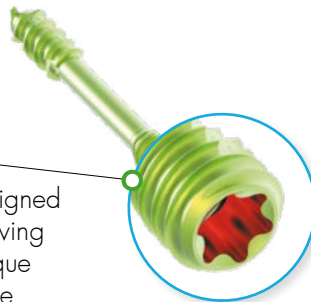
PARALLEL COMPRESSION

The screw thread orientation enables parallel compression of bone fragments.



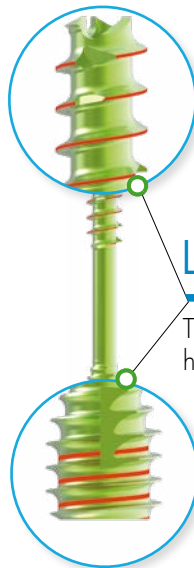
HEXALOBE IMPRINT

F.A.S.T.® screws have been designed with an Hexalobular internal driving feature which provides high torque transmission while minimizing the potential for screw head stripping.



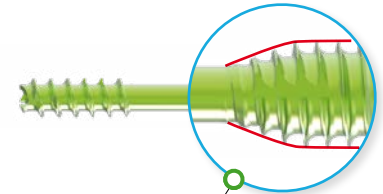
LOW HEAD DIAMETER

This feature provides a reduced head diameter.



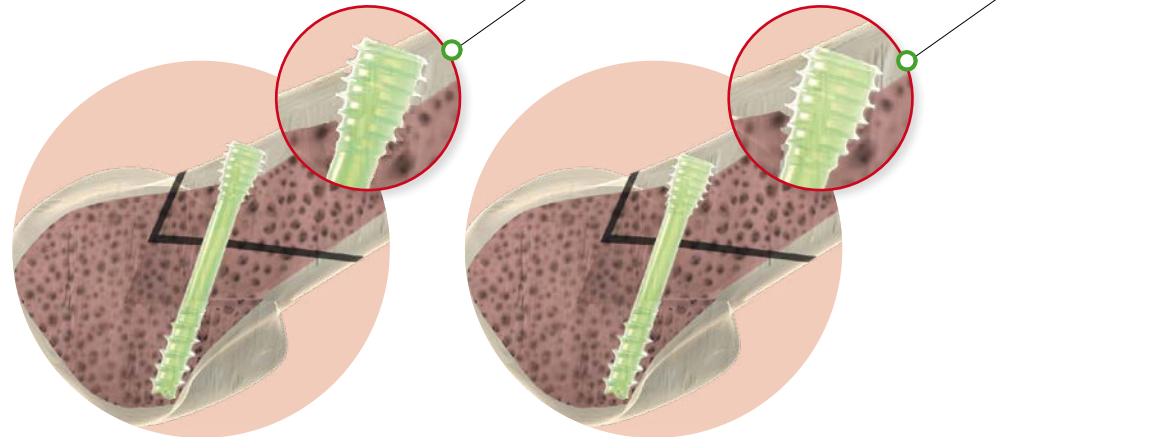
CYLINDRICAL TAPERED SHAPE

The screw head has a cylindrical tapered shape designed to ensure progressive screw insertion and proper locking.



BEVELED HEAD: FEATURE

TRADITIONAL HEAD SCREW

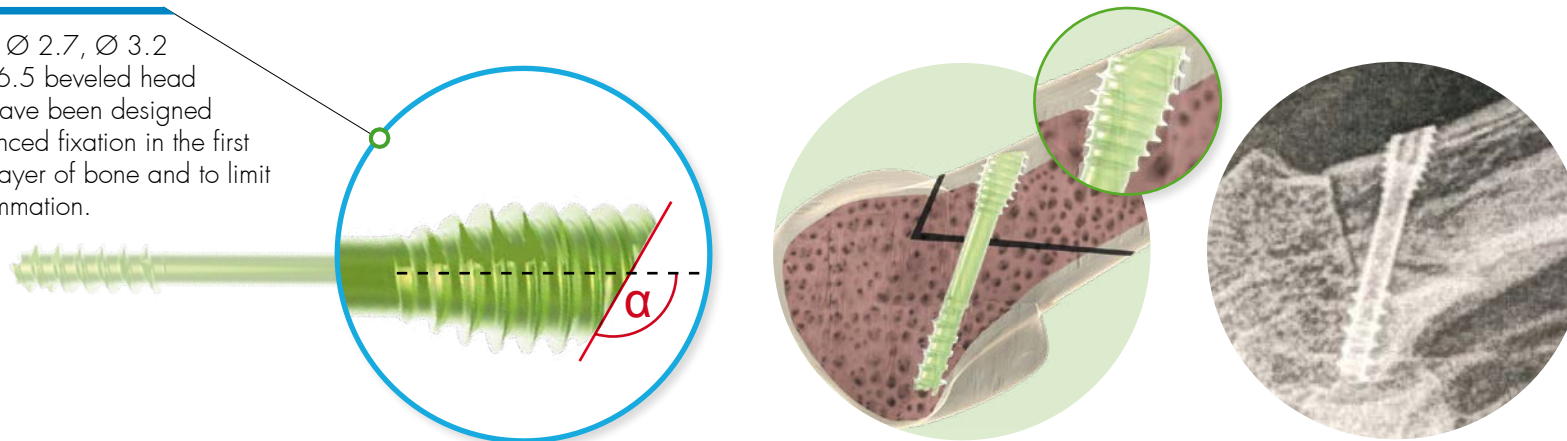


The screw is not buried enough and can cause some inflammation by friction.

The screw is too buried and the bone contact is low.

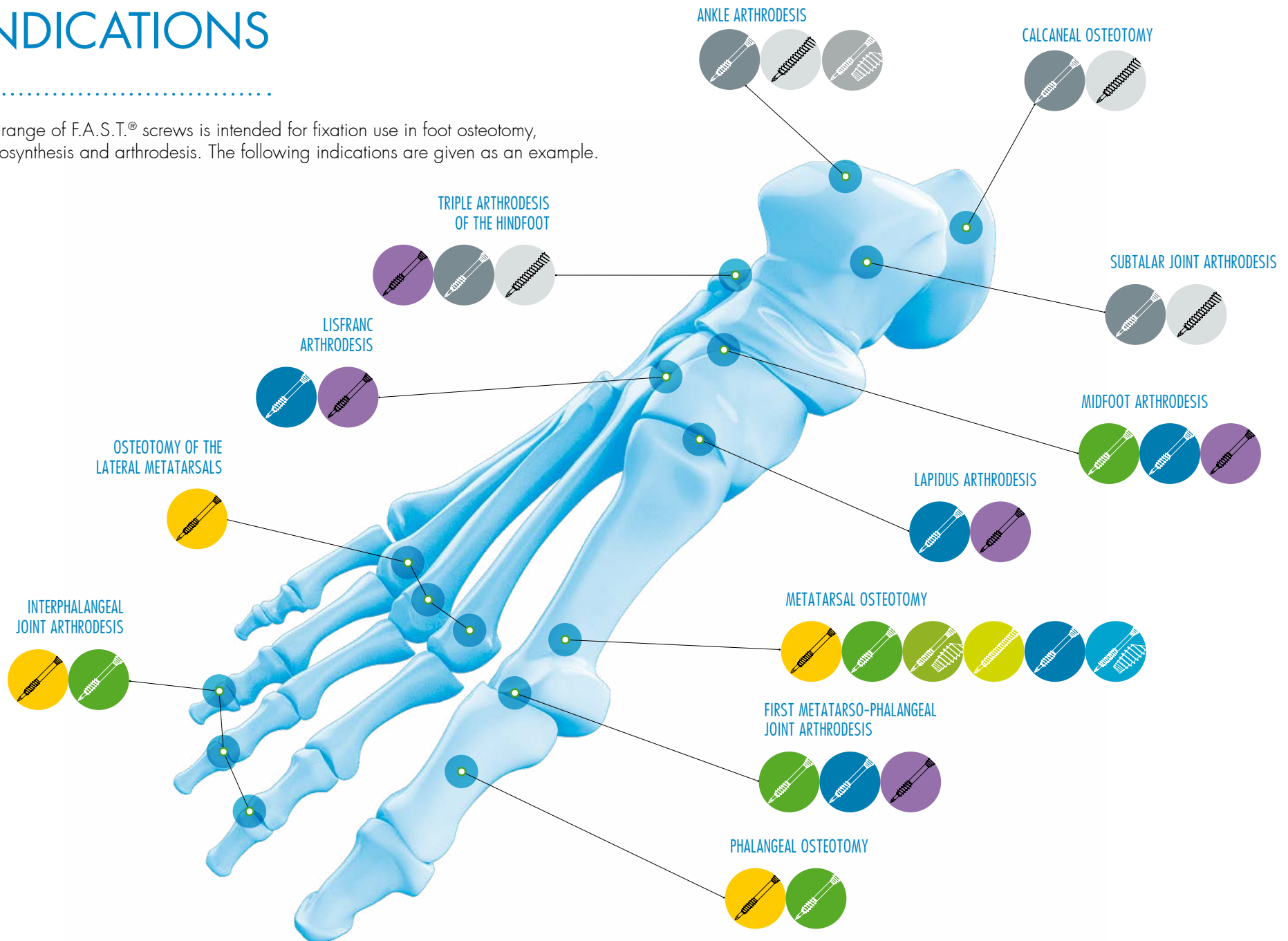
BEVELED HEAD

F.A.S.T.® Ø 2.7, Ø 3.2 and Ø 6.5 beveled head screws have been designed for enhanced fixation in the first cortical layer of bone and to limit the inflammation.



INDICATIONS

The range of F.A.S.T.® screws is intended for fixation use in foot osteotomy, osteosynthesis and arthrodesis. The following indications are given as an example.



FOREFOOT

TREATEMENT	SCREWS DIAMETER	TYPE OF SCREWS
METATARSAL OSTEOTOMY		
SCARF	Ø 2,3	
	Ø 2,7	 
SCARF Short	Ø 2,7	 
Chevron	Ø 2,7	
FAST® Chevron Percutaneous	Ø 3,2	
FAST® XL Chevron Percutaneous	Ø 3,2 lg>42mm	
Medial Fixation or lenght screw >30mm	Ø 3,2	
P1 Varisation	Ø 2,3	
	Ø 2,7	 
MTP Arthrodesis	Ø 3,2	
Weil Osteotomy	Ø 2,3	
DIP Arthrodesis	Ø 2,3	
	Ø 2,7	

MIDFOOT & HINDFOOT

TREATEMENT	SCREWS DIAMETER	TYPE OF SCREWS
Lisfranc Arthrodesis	Ø 3,2	 
	Ø 4,2	
Lapidus Arthrodesis	Ø 3,2	 
	Ø 4,2	
Calcaneus Osteotomy	Ø 6,5	 
Sub Talar Arthrodesis	Ø 6,5	 
Ankle Arthrodesis	Ø 6,5	

We provide 2 surgical techniques and specific animations for percutaneous surgery:



For screw ablations we recommend the use of our dedicated kit:

F.A.S.T.® EXTRACTION KIT: VASEXTRO

SURGICAL TECHNIQUES



1

K-WIRE INSERTION

K-wire placement should be performed using a powered driver equipped with an appropriate wire guide.

F.A.S.T.® Ø 2.3: K-Wire Ø 1.0 x 80 mm

F.A.S.T.® Ø 2.7, Ø 3.2 and Ø 4.2:

K-Wire Ø 1.2 x 120 mm

F.A.S.T.® Ø 6.5: K-Wire Ø 2.2 x 230 mm

CAUTION: If necessary, check under image intensification that the k-wire does not appear bent.



2

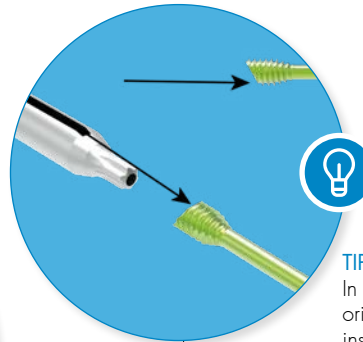
SCREW LENGTH ESTIMATION

Slide the depth gauge over the K-wire and check the appropriate length of the screw.

F.A.S.T.® Ø 2.3: Depth gauge 80/120 Side K-Wire L80 mm

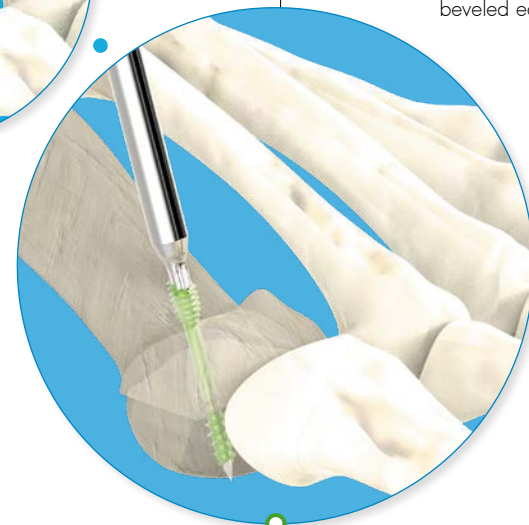
F.A.S.T.® Ø 2.7, Ø 3.2 et Ø 4.2: Depth gauge 80/120 Side K-Wire L120 mm

F.A.S.T.® Ø 6.5: Depth gauge 230 mm



TIP

In order to maintain proper orientation of the screw during insertion, the screwdriver marking should be aligned with the lower beveled edge.



3

SCREW INSERTION

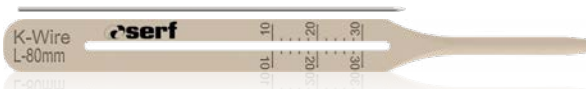
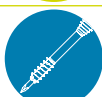
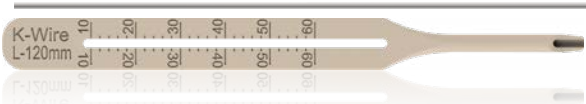
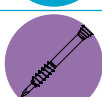
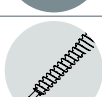
Screw insertion should be performed either manually using the appropriate screwdriver connected to the handle or using the powered driver by mounting the screwdriver onto an AO handpiece.

We advise applying axial load throughout screwing.

CAUTION: It is recommended that the motor speed should not exceed 100 rpm

COLOR-CODING

A color-coding system is used to easily identify and associate implants and instruments from the F.A.S.T.® range.
A specific pictogram is also applied on each type of screw to facilitate identification in the implants tray.

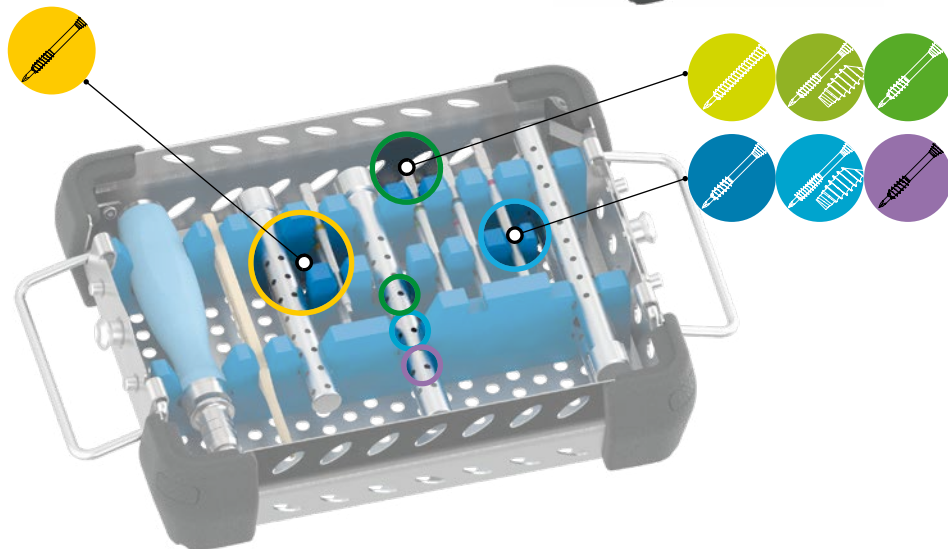
SCREWS	STERILE TRAY PICTOGRAMS	INSTRUMENT COLOR RING	ASSOCIATED INSTRUMENTS
F.A.S.T.® Ø 2.3 COMPRESSION			 K-Wire Ø 1.0 x 80 mm Depth gauge 80/120 Side K-Wire L80 mm
F.A.S.T.® Ø 2.7 COMPRESSION			
F.A.S.T.® Ø 2.7 BEVELED			
F.A.S.T.® Ø 2.7 NEUTRALIZATION			
F.A.S.T.® Ø 3.2 COMPRESSION			 K-wire Ø 1.2 x 120 mm Depth gauge 80/120 Side K-Wire L120 mm
F.A.S.T.® Ø 3.2 BEVELED			
F.A.S.T.® Ø 4.2 COMPRESSION			
F.A.S.T.® Ø 6.5 COMPRESSION			 K-wire Ø 2.2 x 230 mm Depth gauge 230
F.A.S.T.® Ø 6.5 NEUTRALIZATION			
F.A.S.T.® Ø 6.5 BEVELED			

INSTRUMENTS

FOREFOOT & MID FOOT

FMF

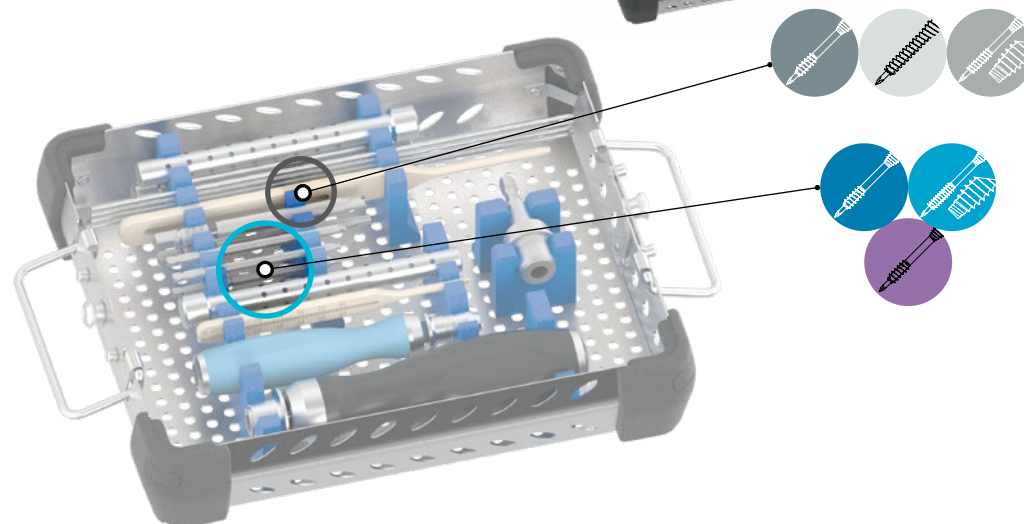
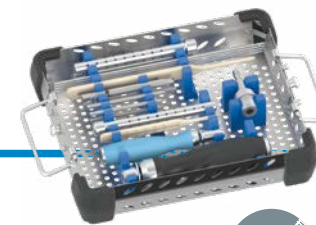
Ref. VASEAMP3



MIDFOOT & HINDFOOT

MHF

Ref. VASEMAP



SCREWDRIVERS

		FMF	MHF
TORX T7 SCREWDRIVER	3663165003377	✓	
TORX T8 SCREWDRIVER	3663165003384	✓	
TORX T10 SCREWDRIVER	3663165003391	✓	✓
TORX T25 SCREWDRIVER	3663165003407		✓

COUNTERSINKS

		FMF	MHF
COUNTERSINK Ø 2.3	3663165003414	✓	
COUNTERSINK Ø 2.7	3663165003421	✓	
COUNTERSINK Ø 3.2	3663165003438	✓	✓
COUNTERSINK Ø 4.2	3663165003445	✓	✓
COUNTERSINK Ø 6.5	3663165003452		✓

K-WIRES

		FMF	MHF
K-WIRE Ø 1 - L80 MM	3663165003469	✓	
K-WIRE Ø 1.2 - L120 MM	3663165003476	✓	✓
K-WIRE Ø 2.2 - L230 MM	3663165003483		✓

Single Used K-Wire

COMMON

		FMF	MHF
RATCHET HANDLE AO	3663165003490	✓	✓
RATCHET HANDLE 1/4	3663165003506		✓
DEPTH GAUGE L80 / L120	3663165003513	✓	✓
DEPTH GAUGE L230	3663165003520		✓
ADAPTOR with Jacob End - 1/4	3663165003537		✓

OPTIONAL

SCARF FORCEPS	3663165000901
CANNULATED DRILL SCREW Ø 2.3	3663165003599
CANNULATED DRILL SCREW Ø 2.7	3663165003605
CANNULATED DRILL SCREW Ø 3.2	3663165003612
CANNULATED DRILL SCREW Ø 4.2	3663165003629
CANNULATED DRILL SCREW Ø 6.5	3663165003636
DRILL SCREW Ø 2.3	3663165003643
DRILL SCREW Ø 2.7	3663165003650
DRILL SCREW Ø 3.2	3663165003667
DRILL SCREW Ø 4.2	3663165003674
DRILL SCREW Ø 6.5	3663165003681

REFERENCES

Ø 2.3



COMPRESSION

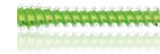
DESCRIPTION	REFERENCE
FAST Ø 2.3 L10	3663165001946
FAST Ø 2.3 L12	3663165001953
FAST Ø 2.3 L14	3663165001960
FAST Ø 2.3 L16	3663165001977
FAST Ø 2.3 L18	3663165001984
FAST Ø 2.3 L20	3663165001991
FAST Ø 2.3 L22	3663165002004
FAST Ø 2.3 L24	3663165002011
FAST Ø 2.3 L26	3663165002028
FAST Ø 2.3 L28	3663165002035
FAST Ø 2.3 L30	3663165002042

Ø 2.7



COMPRESSION

DESCRIPTION	REFERENCE
FAST Ø 2.7 L12	3663165003728
FAST Ø 2.7 L14	3663165002165
FAST Ø 2.7 L16	3663165002172
FAST Ø 2.7 L18	3663165002189
FAST Ø 2.7 L20	3663165002196
FAST Ø 2.7 L22	3663165002202
FAST Ø 2.7 L24	3663165002219
FAST Ø 2.7 L26	3663165002226
FAST Ø 2.7 L28	3663165002233
FAST Ø 2.7 L30	3663165002240



NEUTRALIZATION

DESCRIPTION	REFERENCE
FAST Ø 2.7 L14	3663165002394
FAST Ø 2.7 L16	3663165002400
FAST Ø 2.7 L18	3663165002417
FAST Ø 2.7 L20	3663165002424
FAST Ø 2.7 L22	3663165002431
FAST Ø 2.7 L24	3663165002448
FAST Ø 2.7 L26	3663165002455
FAST Ø 2.7 L28	3663165002462
FAST Ø 2.7 L30	3663165002479



BEVELED

DESCRIPTION	REFERENCE
FAST Ø 2.7 L14	3663165002257
FAST Ø 2.7 L26	3663165002264
FAST Ø 2.7 L18	3663165002271
FAST Ø 2.7 L20	3663165002288
FAST Ø 2.7 L22	3663165002295
FAST Ø 2.7 L24	3663165002301
FAST Ø 2.7 L26	3663165002318
FAST Ø 2.7 L28	3663165002325
FAST Ø 2.7 L30	3663165002332
FAST Ø 2.7 L32	3663165002349
FAST Ø 2.7 L34	3663165002356
FAST Ø 2.7 L36	3663165002363
FAST Ø 2.7 L38	3663165002370
FAST Ø 2.7 L40	3663165002387

Ø 3.2



COMPRESSION

DESCRIPTION REFERENCE

FAST Ø 3.2 L14	3663165002486
FAST Ø 3.2 L16	3663165002493
FAST Ø 3.2 L18	3663165002509
FAST Ø 3.2 L20	3663165002516
FAST Ø 3.2 L22	3663165002523
FAST Ø 3.2 L24	3663165002530
FAST Ø 3.2 L26	3663165002547
FAST Ø 3.2 L28	3663165002554
FAST Ø 3.2 L30	3663165002561
FAST Ø 3.2 L32	3663165002578
FAST Ø 3.2 L34	3663165002585
FAST Ø 3.2 L36	3663165002592
FAST Ø 3.2 L38	3663165002608
FAST Ø 3.2 L40	3663165002615



BEVELED

DESCRIPTION REFERENCE

FAST Ø 3.2 L16	3663165003742
FAST Ø 3.2 L18	3663165003735
FAST Ø 3.2 L20	3663165003360
FAST Ø 3.2 L22	3663165002622
FAST Ø 3.2 L24	3663165002639
FAST Ø 3.2 L26	3663165002646
FAST Ø 3.2 L28	3663165002653
FAST Ø 3.2 L30	3663165002660
FAST Ø 3.2 L32	3663165002677
FAST Ø 3.2 L34	3663165002684
FAST Ø 3.2 L36	3663165002691
FAST Ø 3.2 L38	3663165002707
FAST Ø 3.2 L40	3663165002714
FAST Ø 3.2 L42	3663165002721
FAST Ø 3.2 L44	3663165002738
FAST Ø 3.2 L46	3663165002745
FAST Ø 3.2 L48	3663165002752
FAST Ø 3.2 L50	3663165002769
FAST Ø 3.2 L52	3663165002776
FAST Ø 3.2 L54	3663165002783
FAST Ø 3.2 L56	3663165002790
FAST Ø 3.2 L58	3663165002806
FAST Ø 3.2 L60	3663165002813

Ø 4.2



COMPRESSION

DESCRIPTION REFERENCE

FAST Ø 4.2 L30	3663165002967
FAST Ø 4.2 L32	3663165002974
FAST Ø 4.2 L34	3663165002981
FAST Ø 4.2 L36	3663165002998
FAST Ø 4.2 L38	3663165003001
FAST Ø 4.2 L40	3663165003018
FAST Ø 4.2 L45	3663165003025
FAST Ø 4.2 L50	3663165003032
FAST Ø 4.2 L55	3663165003049
FAST Ø 4.2 L60	3663165003056

Ø 6.5



COMPRESSION

DESCRIPTION REFERENCE

FAST Ø 6.5 L40	3663165003063
FAST Ø 6.5 L45	3663165003070
FAST Ø 6.5 L50	3663165003087
FAST Ø 6.5 L55	3663165003094
FAST Ø 6.5 L60	3663165003100
FAST Ø 6.5 L65	3663165003117
FAST Ø 6.5 L70	3663165003124
FAST Ø 6.5 L75	3663165003131
FAST Ø 6.5 L80	3663165003148
FAST Ø 6.5 L85	3663165003155
FAST Ø 6.5 L90	3663165003162
FAST Ø 6.5 L95	3663165003179
FAST Ø 6.5 L100	3663165003186



NEUTRALIZATION

DESCRIPTION REFERENCE

FAST Ø 6.5 L40	3663165003193
FAST Ø 6.5 L45	3663165003209
FAST Ø 6.5 L50	3663165003216
FAST Ø 6.5 L55	3663165003223
FAST Ø 6.5 L60	3663165003230
FAST Ø 6.5 L65	3663165003247
FAST Ø 6.5 L70	3663165003254
FAST Ø 6.5 L75	3663165003261
FAST Ø 6.5 L80	3663165003278
FAST Ø 6.5 L85	3663165003285
FAST Ø 6.5 L90	3663165003292
FAST Ø 6.5 L95	3663165003308
FAST Ø 6.5 L100	3663165003315



BEVELED

DESCRIPTION REFERENCE

FAST Ø6,5 L40	3663165004596
FAST Ø6,5 L45	3663165004602
FAST Ø6,5 L50	3663165004619
FAST Ø6,5 L55	3663165004626
FAST Ø6,5 L60	3663165004633
FAST Ø6,5 L65	3663165004640
FAST Ø6,5 L70	3663165004657
FAST Ø6,5 L75	3663165004664
FAST Ø6,5 L80	3663165004671
FAST Ø6,5 L85	3663165004688
FAST Ø6,5 L90	3663165004695

ASSOCIATED PRODUCTS



SNAP-OFF SCREWS Ø 2

SIZES	REFERENCE
2 x 11 mm	3663165001663
2 x 12 mm	3663165001670
2 x 13 mm	3663165001687
2 x 14 mm	3663165001694



INSTRUMENTS FOR SNAP-OFF SCREWS Ø 2

DESCRIPTION	REFERENCE
Mini AO adaptor for snap-off screws	3663165001298
Snap-off screws screwdriver	3663165000895
L120 K-wire tube	3663165003711

Those instruments can be added in the set (ref. VASEAMP3) on demand

PERCUTANEOUS BURRS

	DESCRIPTION	REFERENCE
	Shannon Short Ø 2 x 8 mm	3663165001144
	Shannon Long Ø 2 x 12 mm	3663165001151
	Shannon Isham Ø 2 x 12 mm	3663165001168
	Shannon XL Ø 2 x 22 mm	3663165001175
	Wedge Ø 3 x 13 mm	3663165001182
	Wedge Ø 4 x 13 mm	3663165001199



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Distributed by

F.A.S.T.® are medical devices labelled CE 0459 with the GMED. Instructions must be read before use.
In case of doubt, please contact SERF's local distributor.

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CE 0459



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