



UP. EXTREMITY



STS[®]

Shoulder Trauma System

KIT and FIXATIONS

STS

SHOULDER TRAUMA SYSTEM

One instrument set for multiple solutions

The indications for upper humeral fractures are often dominated by arthroplasty or nailing. It is often a difficult choice and the indication may change within the course of the operation.

This kit enables you, per-operatively and according to the pathology, to choose a short TELEGRAPH nail or an anatomical or reverse ARROW prosthesis. The instrumentation is universal.

THE CONCEPT

The STS® instrument set, with just 2 trays and a humeral guide, allows you to implant:

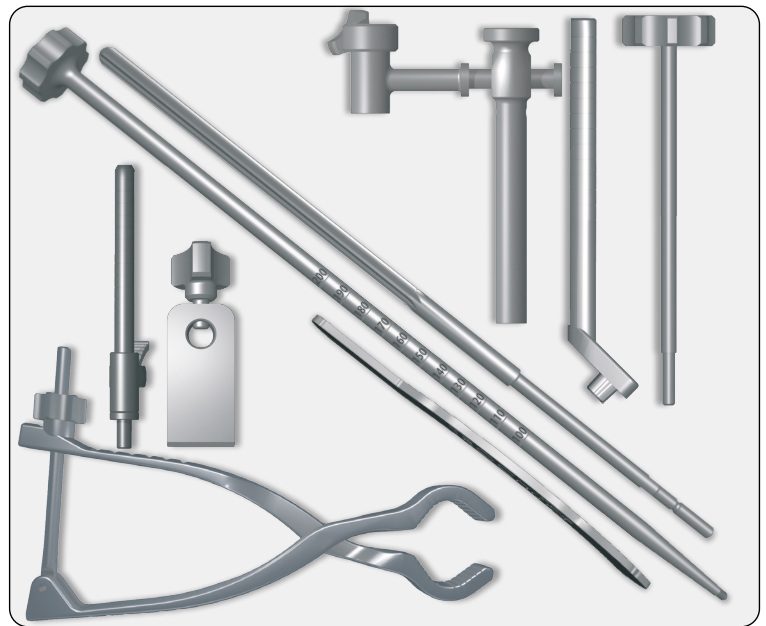
- >> an ARROW® anatomical humeral prosthesis,
- >> an ARROW® reverse total prosthesis, or
- >> a short TELEGRAPH® nail.

If you already have the ARROW® and TELEGRAPH® Short instrument sets, the humeral guide will allow you to complete your range.

STS® offers surgeons a choice and assists staff in managing implants and instrumentations.

OBJECTIVES

- >> Selection of the surgical option
- >> Respect for anatomy
- >> Restoration of correct humeral length, as well as correct retroversion (humeral guide)
- >> Restitution of the tuberosities to provide a functional rotator cuff, using STS® Fixations (see p. 6),
- >> Universal instrumentation: simple, optimised, easy to manage and economical (only 2 trays to sterilise).



STS® humeral guide.

If you already have an ARROW instrument set and a TELEGRAPH Short instrument set, we will provide you with a humeral guide to complete your collection.

STS® - Instrumentation

2 trays containing the instrumentation necessary for implanting:

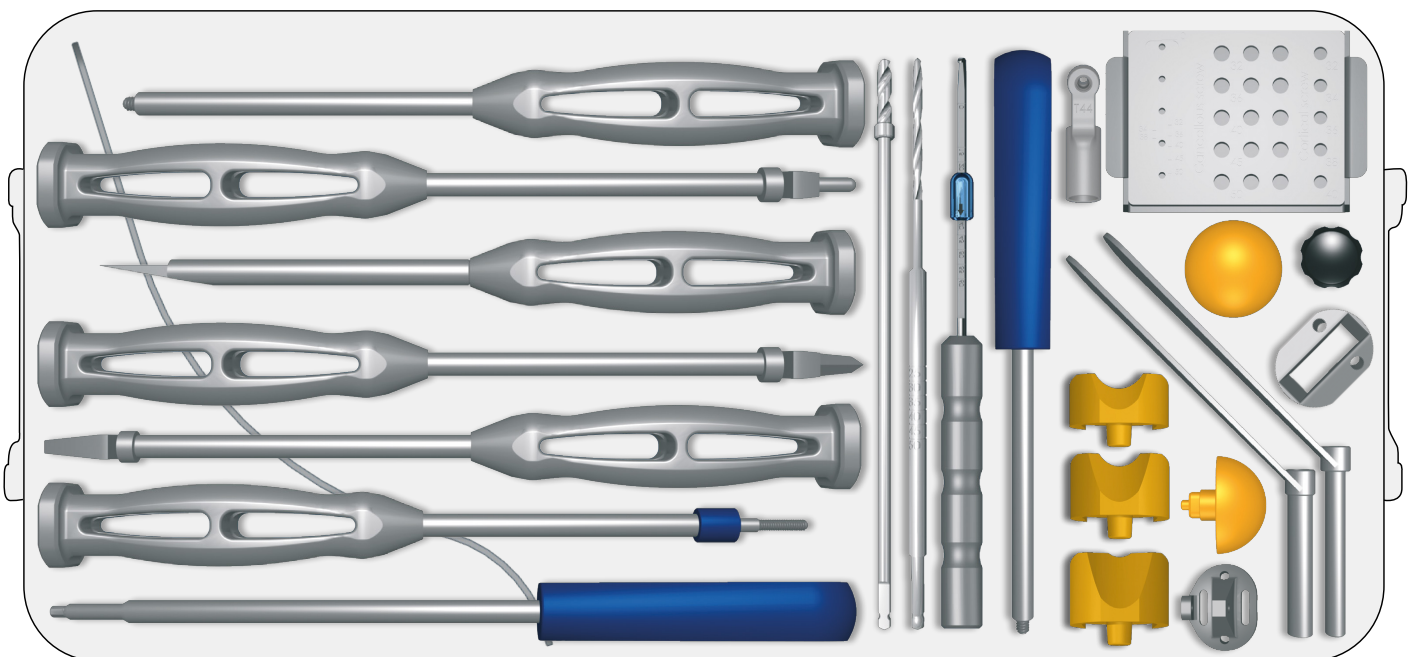
- the ARROW Anatomical humeral prosthesis

- the ARROW Reverse total prosthesis

- the TELEGRAPH Short nail



Anatomical and Reverse prosthesis and nail tray



Reverse glenoid tray

STS[®] SHOULDER TRAUMA SYSTEM

One instrument set for multiple solutions

STS[®] and ARROW[®]

ARROW is a universal shoulder prosthesis system. It offers multiple combinations, in Anatomical and Reverse versions.

The STS[®] guide will allow you to choose, depending on the fracture, between the anatomical and reverse prostheses.

Any per-operative changes can be made as required



THE IMPLANTS

Stem: A single stem for the Anatomical or Reverse versions, with or without cementing.

Diameter: 8 mm;
Lengths: 120 and 170 mm.

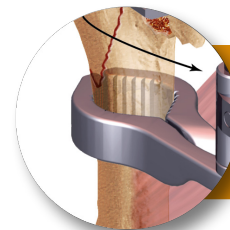
Anatomical version:

4 humeral heads, centred and off-set.

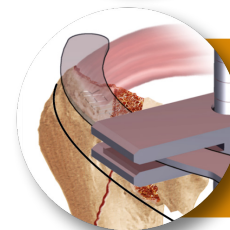
Reverse version:

Metal-back glenoid base: size 44;
Glenosphere: Ø36;
STD humeral inserts: Ø36H00, Ø36H05, Ø36H10.

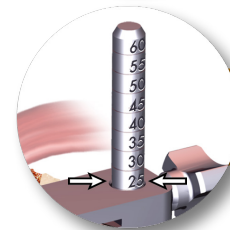
STS[®] Guide - STEM POSITIONING



Position the clamp on the upper edge of the pectoralis major.



Place the awl on the top end of the greater tubercle, after reduction.



Measure height.

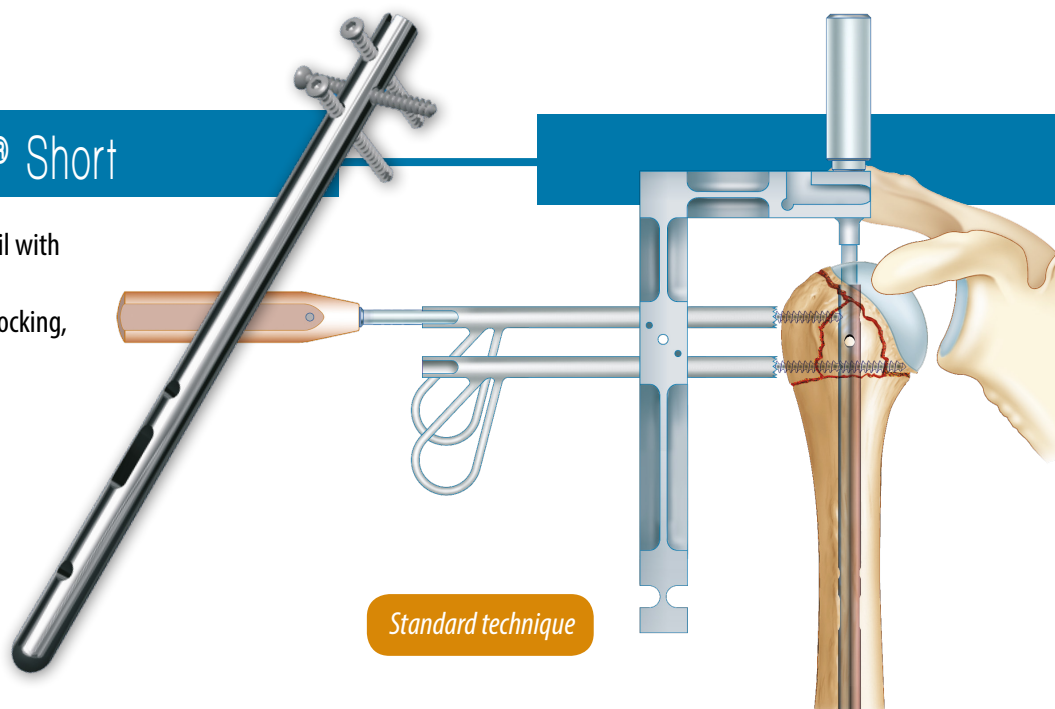
STS[®] and TELEGRAPH[®] Short

TELEGRAPH is an anterograde humeral nail with self-stabilising screws.

It is the first nail to propose self-stability locking, with over 10 years' clinical hindsight.

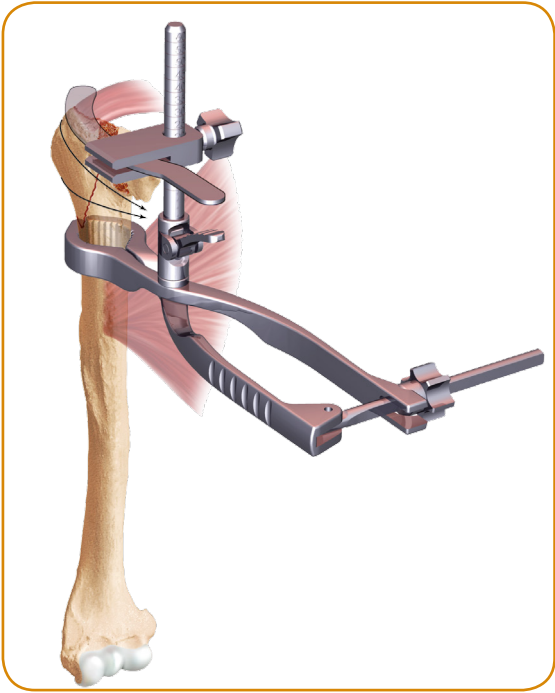
Short nail:

Diameters: 7 mm, 8 mm, and 9 mm;
Length: 150 mm.



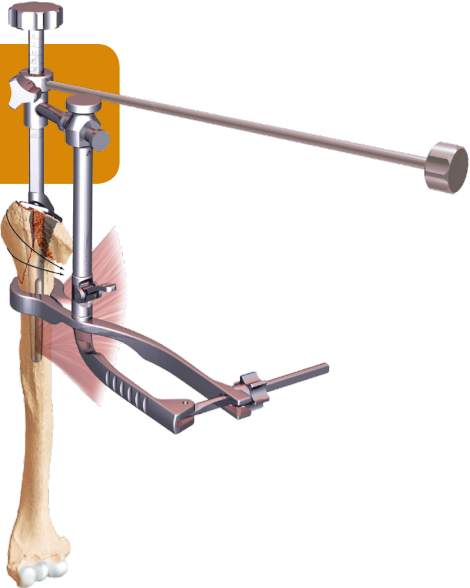
Standard technique

GUIDE USING THE DELTOPECTORAL APPROACH



Position the humeral stem at the previously-selected height

anatomical



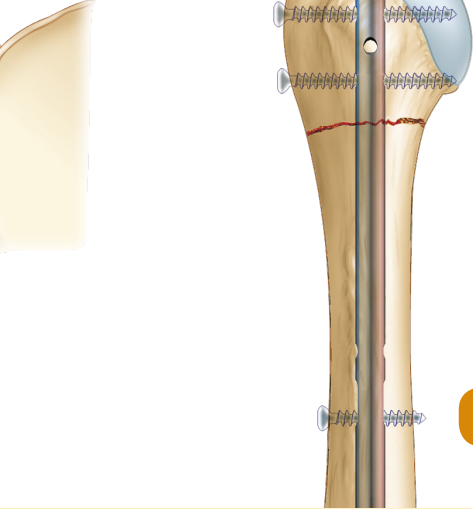
reverse

Position the humeral stem, using the rasp support.

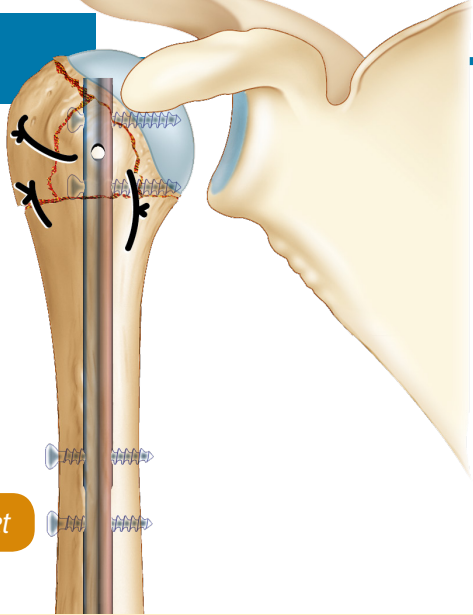


In traumatology, this unique STS® guide allows the prosthesis to be positioned at the correct height and with the correct retroversion.

TELEGRAPH® SUPEROEXTERNAL APPROACH



Crucifixion



Bilboquet

STS[®] FIXATIONS

The unique tuberosity fixation system

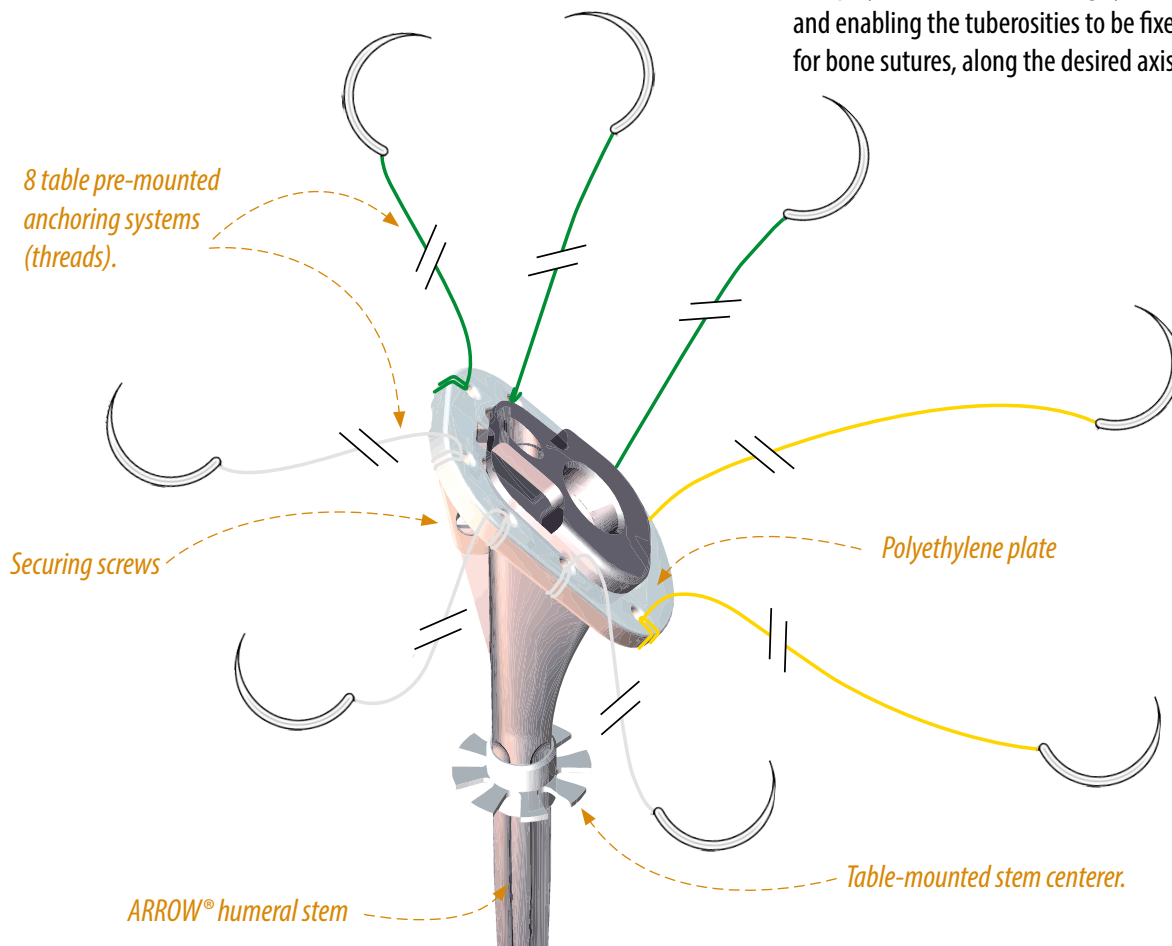
We understand the difficulties encountered in reconstructing a functional rotator cuff. STS[®] FIXATIONS is a unique and simple system designed to fix these tuberosities, avoiding holes through the bone and respecting the direction of the tendons in the cuff.

With STS[®] FIXATIONS, you can improve your chances of recreating a functioning rotator cuff.

STS[®] FIXATIONS is an option with the ARROW[®] prosthesis. This system is used primarily with the anatomical prosthesis and in certain cases with the reverse prosthesis.

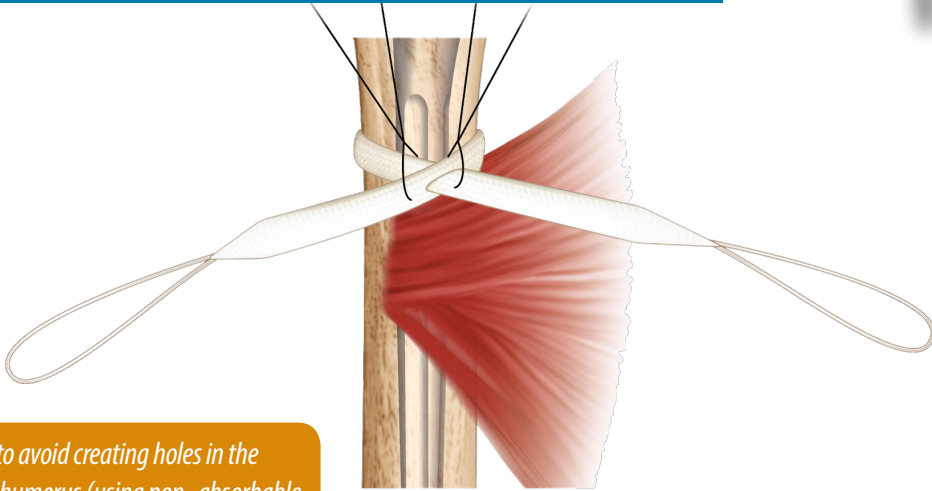
STS fixations is a kit which includes:

- >> 2 stem centerers: diameters: Ø20mm and Ø25mm adaptable to 8 mm stems. They allow the stem to be positioned with no Varus/Valgus;
- >> 3 cement restrictors: Ø8, Ø10, Ø12;
- >> A polyethylene plate with two breakable screws for fixation;
- >> 8 anchoring systems: coloured threads (3 white, 3 green, 2 yellow), fitted with pre-mounted curved needles;
- >> One polyester "lasso" anchoring system, circling the humerus and enabling the tuberosities to be fixed without the need for bone sutures, along the desired axis.





STS® FIXATIONS – OPERATING PRINCIPLES

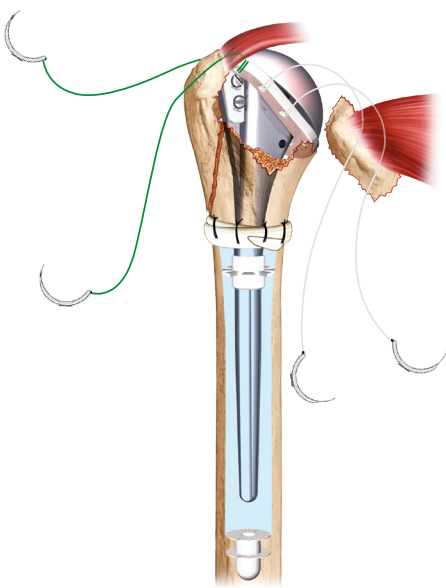


lasso

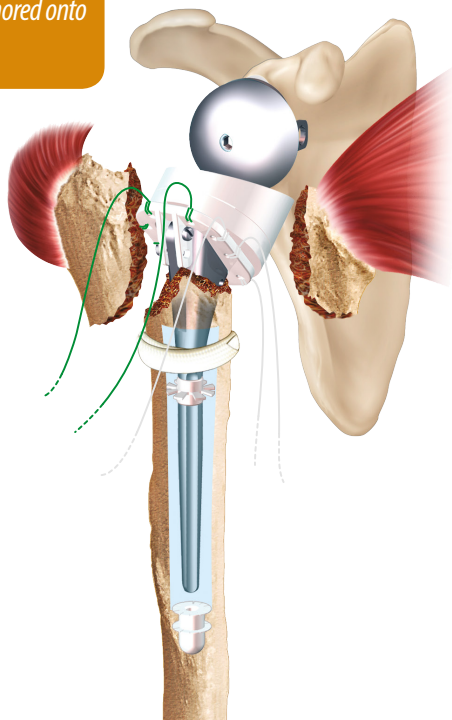
An essential element to avoid creating holes in the bone. It is fixed to the humerus (using non-absorbable thread), to hold the coloured anchoring systems.

tuberosities

These are mounted onto the threads to be anchored onto the lasso, in the chosen direction.



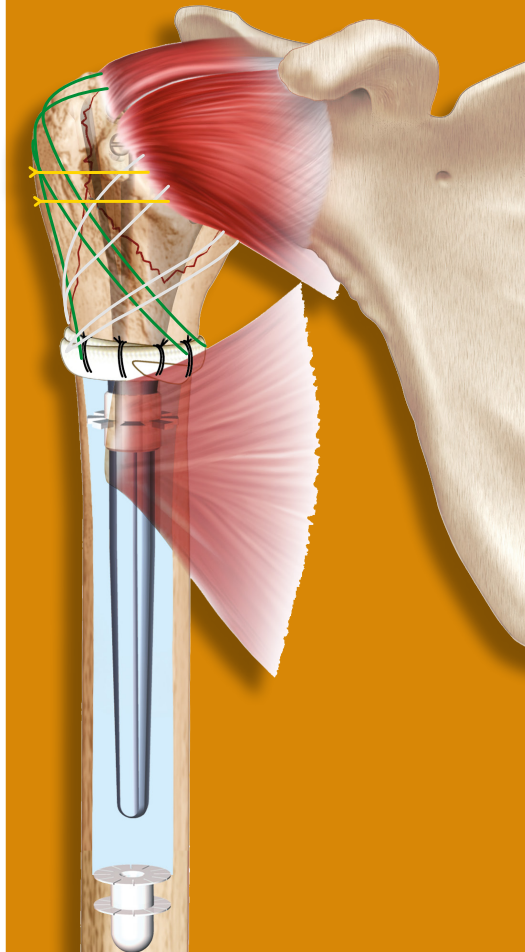
ARROW®
Anatomical version



ARROW®
Reverse version

final view

With STS® FIXATIONS,
The rotator cuff is reconstructed:
- With no holes left in the bone,
- Respecting the direction of the tendons.



STS® COMMERCIAL REFERENCES

STS Fixation Implants

REFERENCE	DESCRIPTION
263 323	Kit d'implants de fixation STS

TELEGRAPH implants

REFERENCE	DESCRIPTION
246 924	TELEGRAPH short humeral nail Ø.7 Lg 150mm
246 925	TELEGRAPH short humeral nail Ø.8 Lg 150mm
246 926	TELEGRAPH short humeral nail Ø.9 Lg 150mm
253 690	TELEGRAPH screw Ø 4 Lg 24mm
253 691	TELEGRAPH screw Ø 4 Lg 28mm
253 692	TELEGRAPH screw Ø 4 Lg 30mm
253 693	TELEGRAPH screw Ø 4 Lg 35mm
253 694	TELEGRAPH screw Ø 4 Lg 40mm
253 695	TELEGRAPH screw Ø 4 Lg 45mm

ARROW cancellous bone screws

REFERENCE	DIAMETER	LENGTH
260 576	Ø 5.5	32
260 577	Ø 5.5	36
260 578	Ø 5.5	40
260 584	Ø 5.5	45
260 585	Ø 5.5	50

ARROW reverse prosthesis

REFERENCE	DESCRIPTION
260 516	ARROW humeral stem Ø 8 Lg 120mm
257 320	ARROW humeral stem Ø 8 Lg 170mm
260 552	ARROW T44 Metal-back glenoid base
260 566	ARROW Glenosphere Ø 36
257 057	STD ARROW humeral insert Ø 36 H00
257 058	STD ARROW humeral insert Ø 36 H05
257 059	STD ARROW humeral insert Ø 36 H10

ARROW anatomical prosthesis

REFERENCE	DESCRIPTION
260 516	ARROW humeral stem Ø 8 Lg 120mm
257 320	ARROW humeral stem Ø 8 Lg 170mm
260 526	ARROW off-centred humeral head Ø 44 HT 16mm
260 529	ARROW off-centred humeral head Ø 46 HT 18mm
260 546	ARROW centred humeral head Ø 48 HT 21mm
260 548	ARROW centred humeral head Ø 50 HT 19mm

ARROW cortical bone screws

REFERENCE	DIAMETER	LENGTH
260 595	Ø 4.5	32
260 596	Ø 4.5	34
260 597	Ø 4.5	36
260 598	Ø 4.5	38
260 599	Ø 4.5	40

Distributed by