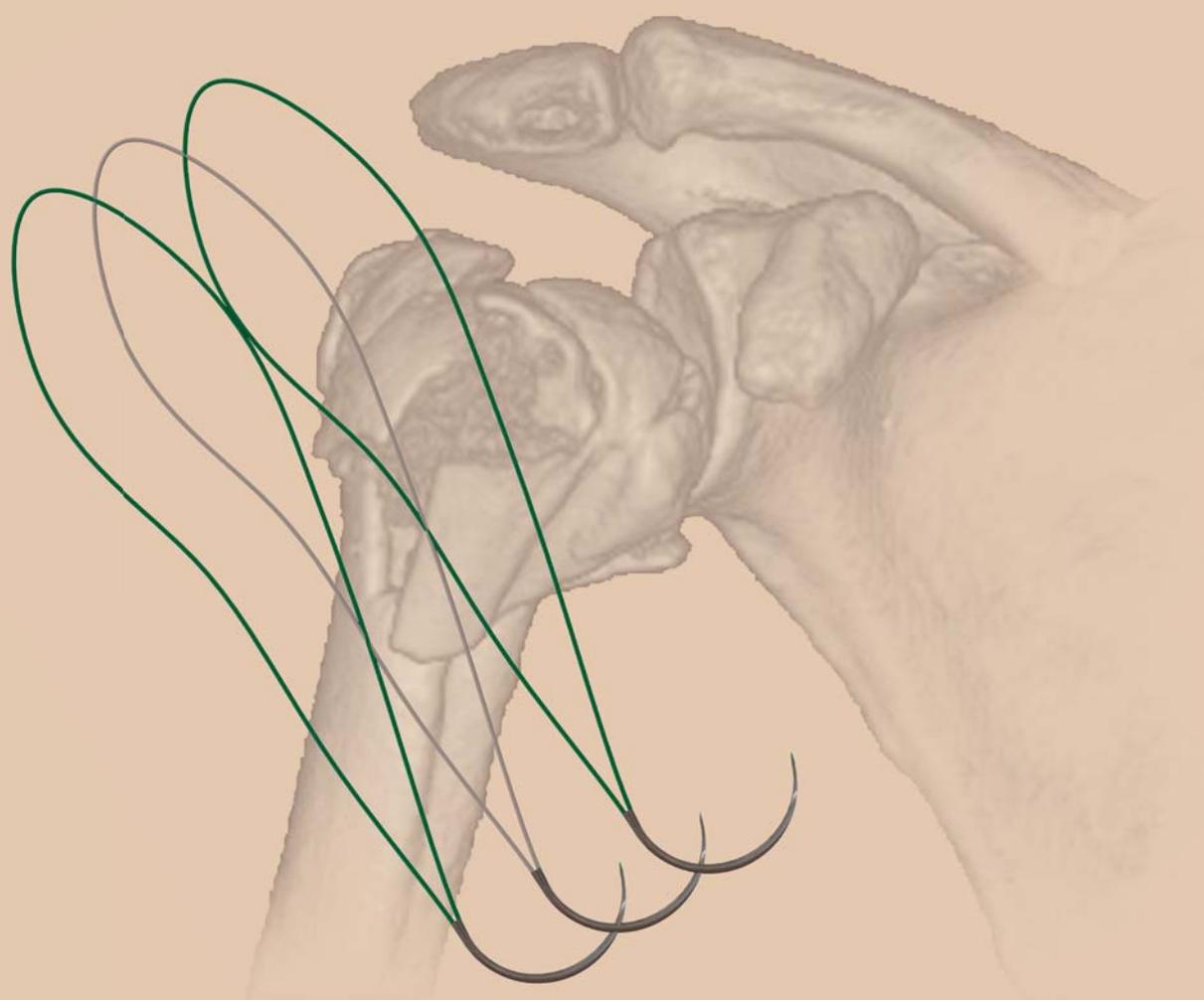


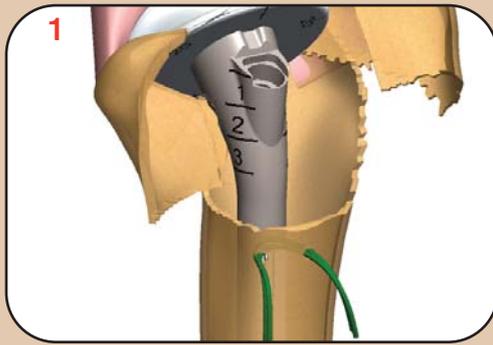


Sutures SMARTLOOP™



SURGICAL TECHNIQUE

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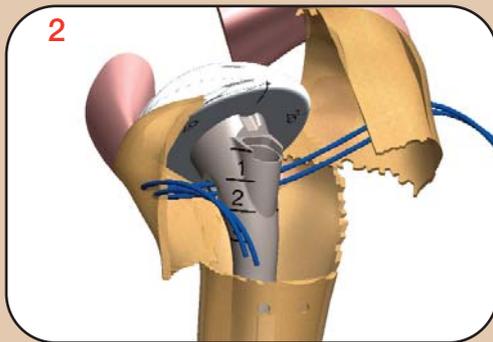


1

Positioning one loop:

Make two holes in the diaphysis before inserting the stem into the humeral shaft.

Introduce the loop from the outside to the inside, then through the second hole from the inside to the outside.



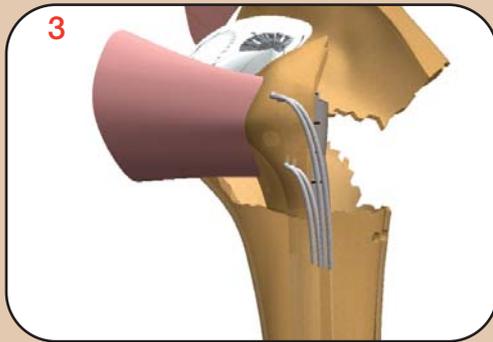
2

Fitting one loop:

Introduce one loop into the subscapularis tendon.

Introduce the loop through the hole of the stem.

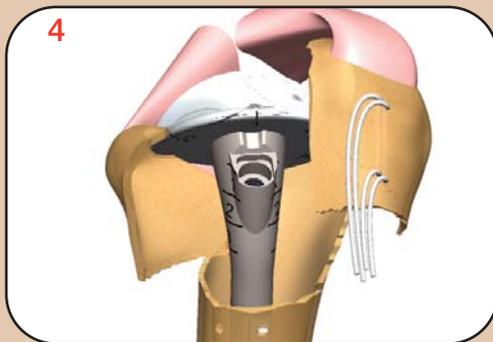
Take the loop out through the supraspinatus tendon.



3

Positioning two loops in tuberosities:

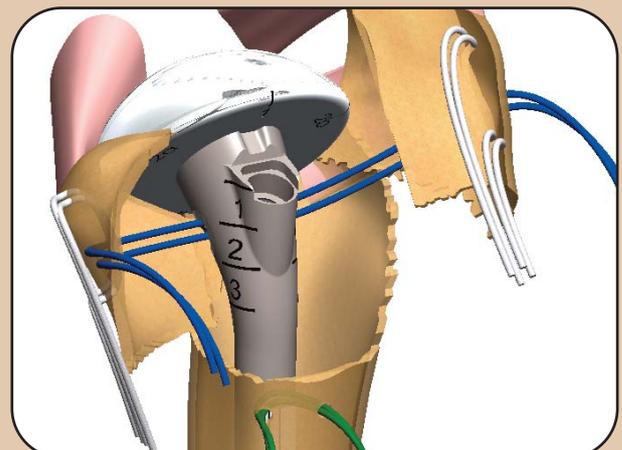
a) Introduce it through the lesser tuberosity and/or subscapularis tendon from the outside to the inside.



4

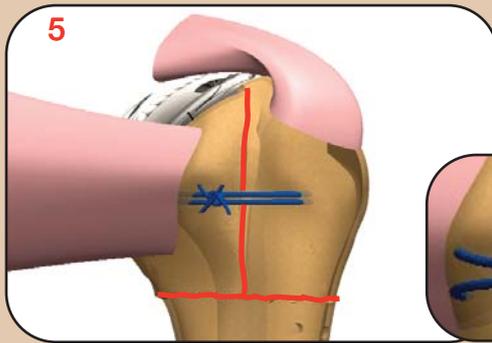
b) Introduce the other white loop through the greater tuberosity and/or supraspinatus tendon from the outside to the inside.

We therefore have 4 loops:

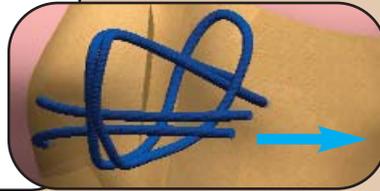




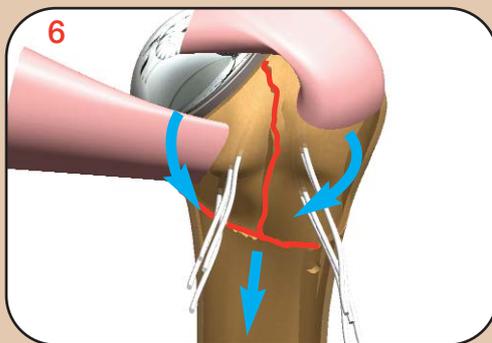
Making the Smart knot:



Make a sliding knot and secure it by threading the needle through the loop made.

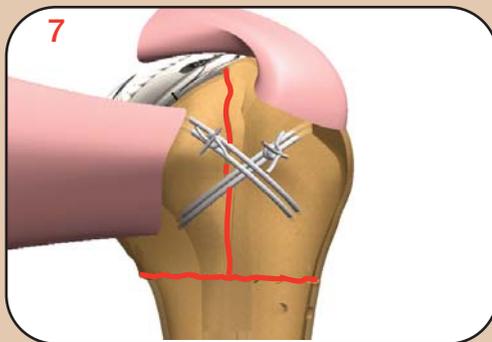


Position the inter-tuberosity fracture line:



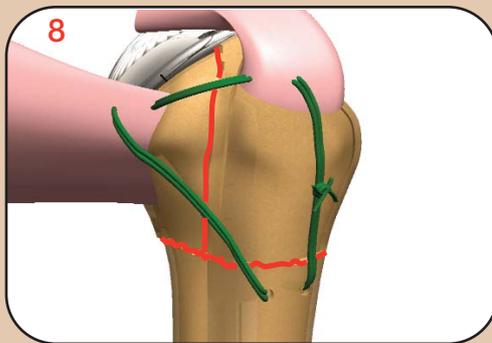
Place in a neutral or external rotation position.
Apply the tuberosities to the prosthesis without tightening.
Pull the white loops to ensure the correct muscle balance between the subscapularis and the sub/supraspinatus.
If necessary, loosen the blue loop to adjust the tension.

Securing the loops:



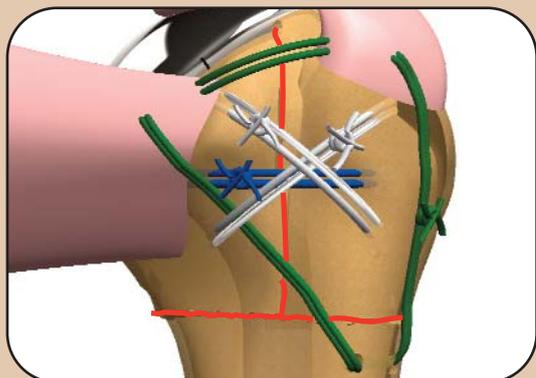
Knot the white loops, preserving this balance.
1- the superior loop of the lesser tuberosity to the inferior loop of the greater tuberosity,
2- the inferior loop of the lesser tuberosity to the superior loop of the greater tuberosity,

Fitting the green loop:



Use the green loop (already in place) corresponding to the fracture, while maintaining the ascending branch of the anterior circumflex artery.
Go into the subscapularis from the outside to the inside and then go back out from the inside to the outside in the supraspinatus.
Knot the ends of the wires.

Summary: (colors are for information)



- 1- the superior loop (white) of the lesser tuberosity to the inferior loop of the greater tuberosity,
- 2- the inferior loop (white) of the lesser tuberosity to the superior loop of the greater tuberosity,
- 3- one end of loop (blue) from lesser tuberosity and other end of loop (blue) from greater tuberosity.
- 4- both ends of loop (green) already in place going into the subscapularis from outside to the inside and then going back out from the inside to the outside in the supraspinatus.

Technical specifications:

Suture: Polyethylene Terephthalate (PET) - USP size 5 (Metric size 7)

Needle: Triangular 1.8 mm channel - 135° (3/8 circle) - L = 40 mm

REF.	DESCRIPTION
292-1001	SMARTLOOP WHITE USP 5
292-1003	SMARTLOOP GREEN USP 5



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