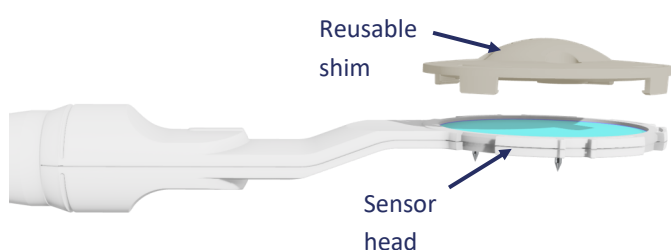# Quadsense Surgical Technique Appendix
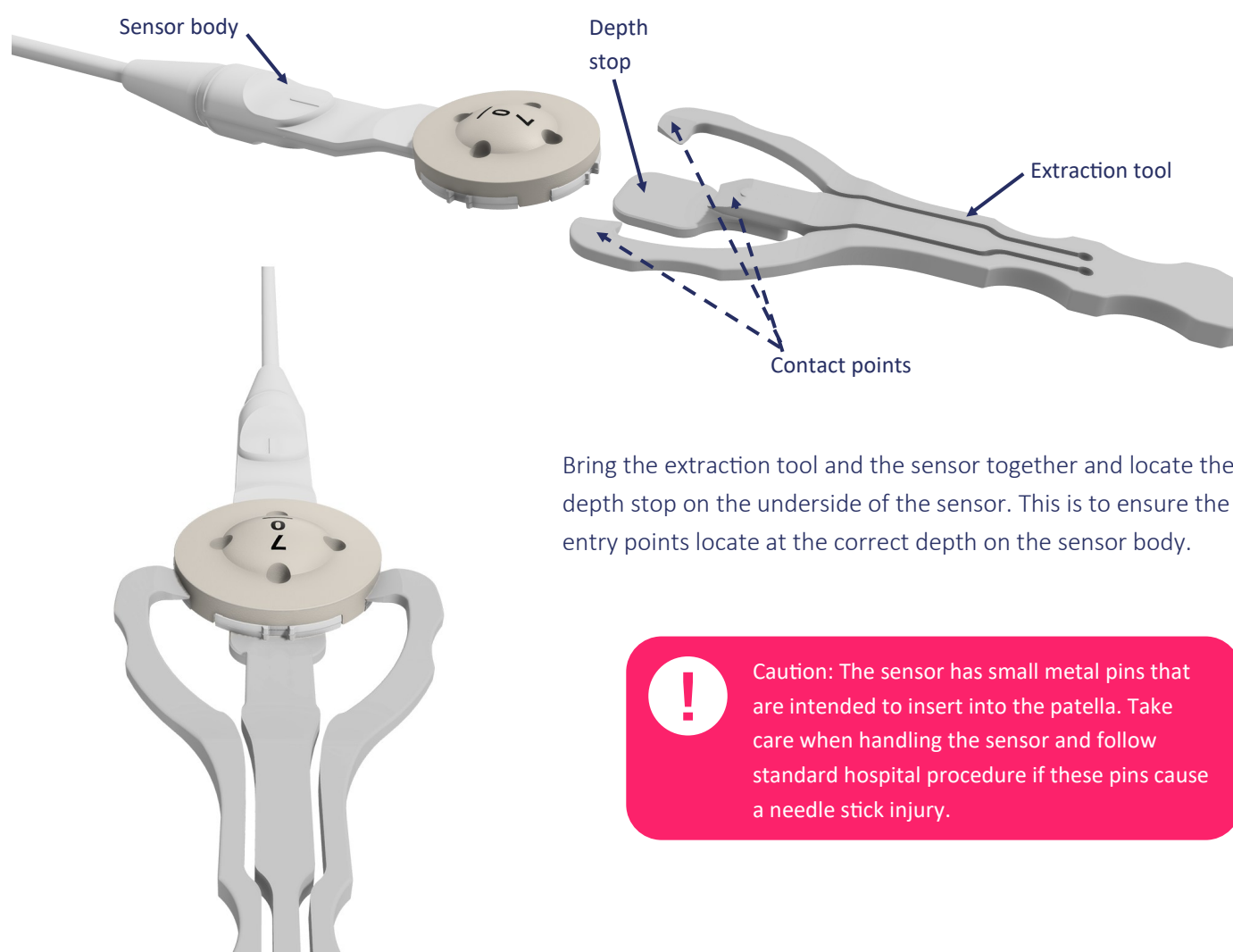# Reusable Shims and Extraction Tools

The Reusable Shims and the Extraction Tools are for use with The Quadsense and Quadsense Pro Systems. The devices are designed to be used by a qualified orthopaedic surgeon during knee arthroplasty surgery. The Reusable Shims allow for controlled comparison of forces through the patellofemoral joint before and after knee arthroplasty making it easier for the surgeon to achieve the required final patella resection angle and depth. The Extraction Tools enables the removal of the reusable shims from the Quadsense Sensor and Quadsense Pro Sensor within the sterile field. The Reusable Shims and Extraction Tools are re-usable and supplied as clean but non-sterile.

Reusable shim

Sensor head

The reusable shims attach to the sensor head by lining up the four tabs with the lugs, and pressing down. Tactile feedback will inform the user of when the shim is attached.

When removing a reusable shim from the sensor, an Extraction tool is needed.

Hold the sensor body near the sensor head in one hand and the tool in the other hand.

Sensor body

Depth stop
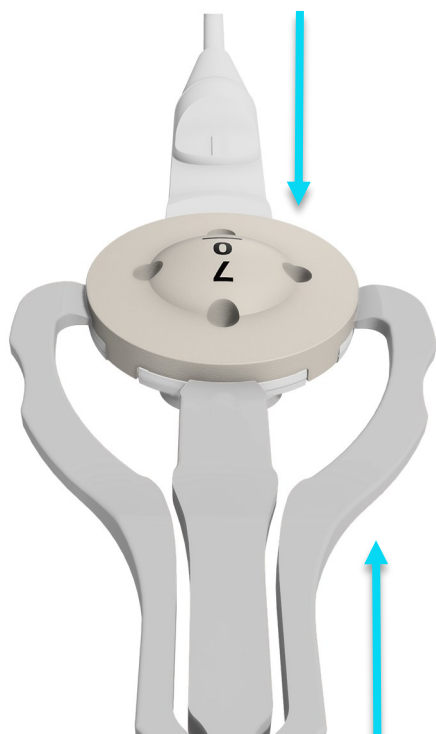
Extraction tool

Contact points

Bring the extraction tool and the sensor together and locate the depth stop on the underside of the sensor. This is to ensure the entry points locate at the correct depth on the sensor body.
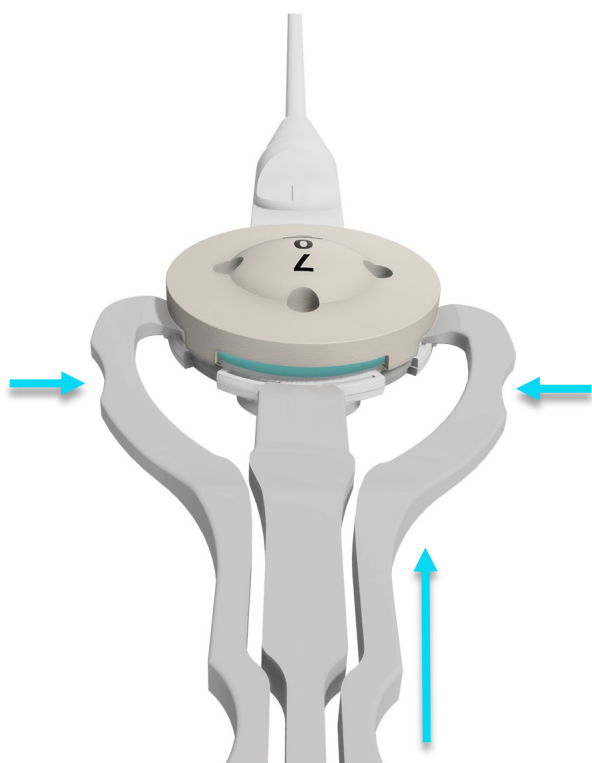
> ! Caution: The sensor has small metal pins that are intended to insert into the patella. Take care when handling the sensor and follow standard hospital procedure if these pins cause a needle stick injury.

Quadsense Surgical Technique Appendix
Reusable Shims and Extraction Tools

Whilst maintaining contact between the underside of the sensor head and the depth stop, push the extraction tool forward towards the sensor handle so that the three contact points locate between the sensor head and the reusable shim.

Whilst gently pushing the middle contact point forward, squeeze together the two side contact points. The Reusable shim will detach from the sensor head and can be placed back with other reusable instruments.

At the end of the surgical procedure, ensure no Reusable shim remains attached to the sensor.

The Reusable Shims and Extraction Tools are accessories of The Quadsense and Quadsense Pro Systems. This document should be read in conjunction with the Quadsense or Quadsense Pro Surgical Technique.

For cleaning and sterilisation instructions, please refer to the Instructions for Use.