

## Introduction

Very good medical results are achieved with ceramic inserts in hip implants. The disadvantage of these inserts is that they can become jammed if not inserted correctly, potentially leading to chipping or fracture of the insert. In order to simplify the correct insertion of ceramic inserts, Smith & Nephew has developed an instrument for picking up the sterile insert and placing it in the acetabular shell without the need for handling the ceramic component manually. This instrument can also be used for removing a loosened insert from the cup. This insert positioning instrument works not just for ceramic inserts, but also for metal and polyethylene inserts.



## The insert positioning instrument

With the insert positioning instrument, the insert can be picked up directly from the packaging and placed in the acetabular shell. The insert is picked up with the suction cup [1], which is pressed into the spherical articulating surface of the implant. Pressing the vent button [3] on the instrument handle releases the vacuum created by the suction cup.

If a suction cup is lost or becomes brittle as a result of repeated sterilization it must be replaced. Replacement suction cups are available for this purpose.

## Article numbers/Description

Set Nr. 75210414

Art. No. S&N	Art. No. PLUS	Description
75002743	1150126	Insert positioning instrument
75018821	1150127	Suction cup (replacement)

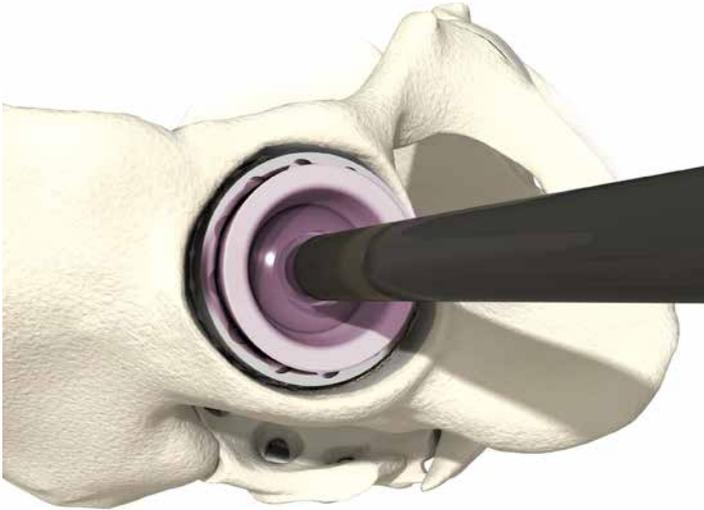


Fig.1



Fig.2

### Fitting and inserting the insert

1. Before insertion, ensure that the inner surfaces of the ceramic insert are dry and free of any form of contamination.
2. If the suction cup (1) is not already preassembled, fit this to the tip of the handle (2). Ensure that the suction cup is correctly fitted to the handle.
3. Before fitting the suction cup, please press the vent button (3) once.
4. Pressing the suction cup against the sphere of the ceramic inserts creates a vacuum.
5. Accurately position the ceramic insert in the cup, ensuring that the cup does not tilt. Ideally, the cone area of the insert is placed against the inner cone of the cup and inserted along the cone with a gentle rotating movement (Fig. 1).
6. After positioning the insert, the vacuum must be released before removing the instrument by pressing the vent button.
7. The correct seating of the insert is checked by palpating the faces of the cup and insert. If both faces are interlocked around the full circumference then the insert is correctly seated in the cup (Fig. 2).
8. The insert is now securely anchored with the appropriate system-specific inserter and an inserter head of matching diameter.

### Important note

*Do not use the instrument for impaction, as it has not been designed for this purpose.*

In addition to these instructions, you must also be familiar with the product-specific surgical technique.

### Sterilization of the instruments

System components and instruments are not sterile when they are delivered. Before use they must be cleaned by the usual methods in accordance with internal hospital regulations and sterilized in an autoclave in accordance with the legal regulations and guidelines applicable in the relevant country. (For detailed information please refer to leaflet Lit. no. 03389.)

The correct settings are given in the instructions for use issued by the autoclave manufacturer. Instrument manufacturers and dealers accept no responsibility for sterilization of products by the customer.