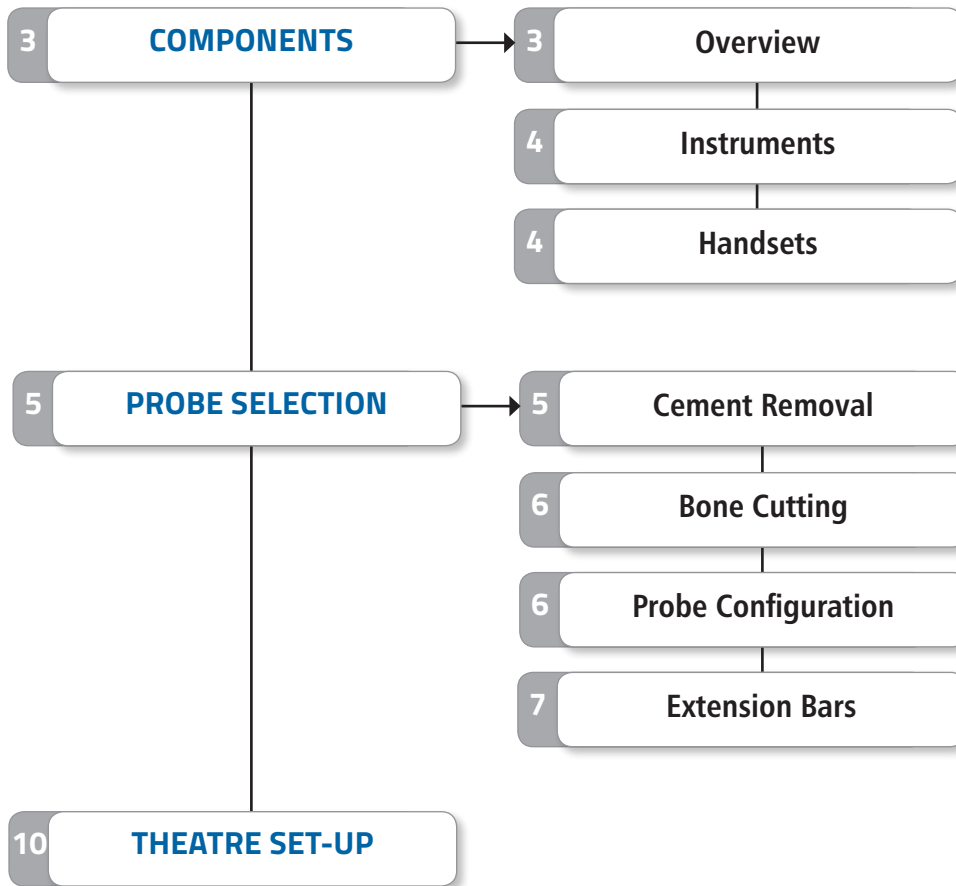




OSCAR™ 3

OPERATIVE ROOM TRAINING



OSCAR has been designed and built in accordance with ISO 13485:2003 Quality Assurance standard for medical devices and Part 820 of the Title 21 of the Code of Federal Regulations of the USA. CE conformance has been certified and the equipment complies with BSEN60601-1.

## COMPONENTS

### Overview

#### OSCAR Generator



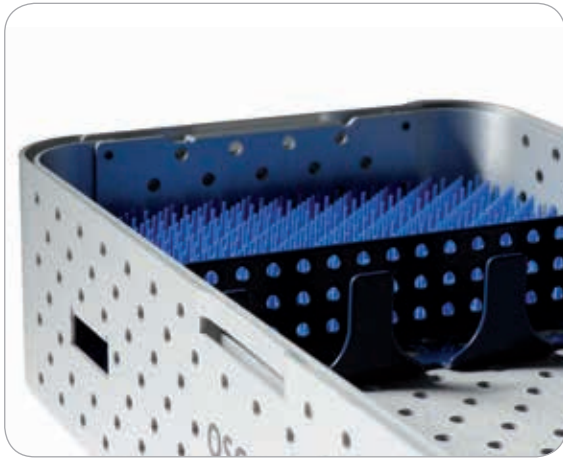
- Requires access to mains power
- MUST be outside the sterile field

#### OSCAR Sterilisation Tray



- Contents: handsets, cables and tools
- MUST be kept sterile for use in sterile field

### Instruments



**Tray Contents:**

- 3 Handsets: 2x cement removal (silver) and 1x bone cutting (gold)
- 2x cables
- 1x Slap Hammer
- Spanners: 2x 8/9mm and 1x 7mm









### Handsets

OSCAR Cement Removal Probes	OSCAR Bone Cutting Probes
<ul style="list-style-type: none"> <li>• Individually packed, sterile and single-use</li> <li>• Cement removal ONLY</li> <li>• Use with cement removal handset ONLY</li> <li>• Screw directly onto the handset or via extension bars</li> <li>• Variations include:                             <ul style="list-style-type: none"> <li>• Groover probes</li> <li>• Scraper probes</li> <li>• Piercer probes</li> <li>• Acetabular probes</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Individually packed, sterile and single-use</li> <li>• Bone cutting (uncemented revisions) ONLY</li> <li>• Used with bone cutting (gold) handset ONLY</li> <li>• Screw directly onto the handset</li> <li>• No extension bars required</li> <li>• Three variations:                             <ul style="list-style-type: none"> <li>• Flat</li> <li>• Serrated</li> <li>• Curved Serrated</li> </ul> </li> </ul>

**PROBE SELECTION**

**Cement Removal**



Piercer	Scraper
<ul style="list-style-type: none"> <li>Designed to create clear channels in the cement</li> <li>Molten excess cement is cleared through the perforations in the head of the probe</li> <li>Options:                             <ul style="list-style-type: none"> <li>6mm Ø 180mmL OHP2062SU</li> <li>8mm Ø 80mmL OHP2080SU</li> <li>10mm Ø 80mmL OHP2100SU</li> <li>Flat 96mmL OHP218FSU</li> </ul> </li> </ul> 	<ul style="list-style-type: none"> <li>Designed to clear channels of excess cement</li> <li>The probe is advanced down a channel and drawn smoothly backwards, collecting excess cement in the recess between the probed head and stem</li> <li>Options:                             <ul style="list-style-type: none"> <li>6mm Ø 180mmL OHS2062SU</li> <li>8mm Ø 80mmL OHS2080SU</li> <li>10mm Ø 80mmL OHS2100SU</li> </ul> </li> </ul> 
Hoe	Acetabular
<ul style="list-style-type: none"> <li>Designed to remove cement in narrow canals, such as the upper limb</li> <li>The probe is advanced down a channel and drawn smoothly backwards, collecting excess cement in the recess between the probed head and stem</li> <li>Options:                             <ul style="list-style-type: none"> <li>6mm Ø 180mmL OHH2062SU</li> <li>8mm Ø 180mmL OHH2081SU</li> </ul> </li> </ul> 	<ul style="list-style-type: none"> <li>Designed to create channels in cement bonding the acetabular component</li> <li>The probe is advanced in line with the curvature of acetabular cup circumferentially around the acetabulum</li> <li>Options:                             <ul style="list-style-type: none"> <li>100 mmL OHA2030SU</li> </ul> </li> </ul> 
Groover	Extraction and Slap Hammer
<ul style="list-style-type: none"> <li>Designed to make longitudinal channels in the cement</li> <li>The probe is advanced into the cement, using the cutting blades on the lateral aspects of the probe head</li> <li>Excess molten cement is cleared through the perforations in the head of the probe                             <ul style="list-style-type: none"> <li>OHG2020SU</li> </ul> </li> </ul> 	<ul style="list-style-type: none"> <li>Designed to remove large intact pieces of cement and cement plugs</li> <li>The probe is advanced into the cement and left to re-solidify around the head</li> <li>The handset is removed and the slap hammer is screwed in used to mechanically draw out the cement                             <ul style="list-style-type: none"> <li>EXP2681SU</li> </ul> </li> </ul> 

## Bone Cutting



### Osteotomes

- Designed to remove osseointegrated prostheses
- The thin probes have serrated edges which can be advanced through the cancellous bone prosthesis interface
- Options:
  - Flat OHFO2060SU
  - Serrated OHSO2060SU
  - Curved Serrated OHC2SO2060SU



### Example of probe configuration

#### Flight Case

FRONT	8mm Piercer OHP2080SU	6mm Hoe OHH2062SU
	8mm Piercer OHP2080SU	6mm Hoe OHH2062SU
	8mm Scraper OHS2080SU	Extraction EXP2681SU
	8mm Scraper OHS2080SU	Extraction EXP2681SU
	10mm Piercer OHP2100SU	6mm Flat Osteotome OHFO2060SU
	10mm Piercer OHP2100SU	6mm Flat Osteotome OHFO2060SU
	10mm Scraper OHS2100SU	6mm Flat Osteotome OHFO2060SU
	10mm Scraper OHS2100SU	6mm Serrated Osteotome OHSO2060SU
	Acetabular OHA2030SU	6mm Serrated Osteotome OHSO2060SU
		6mm Curved Serrated Osteotome OHC2SO2060SU
		6mm Curved Serrated Osteotome OHC2SO2060SU
	6mm Slim Steam Piercer OHP2062SU	6mm Curved Serrated Osteotome OHC2SO2060SU
6mm Slim Steam Piercer OHP2062SU	8mm Flat Piercer OHP218FSU	
6mm Slim Steam Scraper OHS2062SU		
6mm Slim Steam Scraper OHS2062SU	8mm Flat Piercer OHP218FSU	

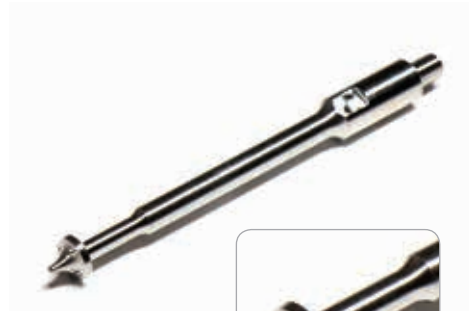
See Over Page for re-usable Probes and other components included in autoclave tray.  
**For use with Bone Cutting Osteotome ONLY**

**Extension Bars**



**Piercer Probes**

- 6mm Ø 180mm L OHP2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 80mm L OHP2080SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**
- 10mm Ø 80mm L OHP2100SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**



SHORT EXTENSION BAR  
OHRE2000SU

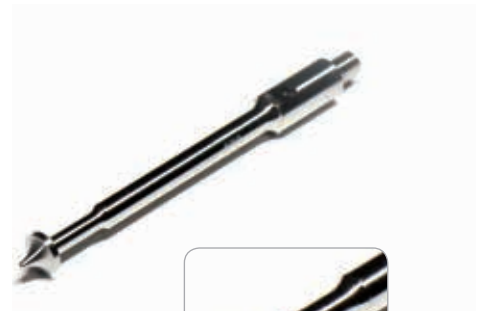


LONG EXTENSION BAR  
OHRE2001SU



**Scraper Probes**

- 6mm Ø 180mm L OHS2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 80mm L OHS2080SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**
- 10mm Ø 80mm L OHS2100SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**



SHORT EXTENSION BAR  
OHRE2000SU



LONG EXTENSION BAR  
OHRE2001SU



**Hoe Probes**

- 6mm Ø 180mm L OHH2062SU **DO NOT USE EXTENSION REDUCER BAR**
- 8mm Ø 180mm L OHH2081SU **MUST USE SHORT OR LONG EXTENSION REDUCER BAR**



## Extension Bars



### Flat Piercer Probes

- Flat 96mm L OHP218FSU **MUST USE REDUCER BAR OHR2000**



### Extraction Probes

- EXP2681SU **OPTIONAL USE WITH EXTENSION REDUCER BAR OHE2000**



### Acetabular Probe

- 100 mmL OHA2030SU **OPTIONAL USE WITH EXTENSION REDUCER BAR OHE2000**





Probe ID	Probe Name	Use with Extension/Reduce Bars.				
		OHR2000 Reducer Bar	OHRE2000SU OHRE2002SU Short Extension Bar	OHRE2001SU OHRE2003SU Long Extension Bar	Use without Extension/reducer Bar	OHE2000 Standard Extension Bar
OHP218FSU	8mm Flat Piercer	YES	NO	NO	NO	NO
OHP2080SU	8mm Piercer	NO	YES	YES	NO	NO
OHS2080SU	8mm Scraper	NO	YES	YES	NO	NO
OHP2062SU	Slim 6mm Piercer	NO	NO	NO	YES	NO
OHP2100SU	10mm Piercer	NO	YES	YES	NO	NO
OHS2100SU	10mm Scraper	NO	YES	YES	NO	NO
OHS2062SU	Slim 6mm Scraper	NO	NO	NO	YES	NO
OHA2030SU	Acetabular Probe	NO	NO	NO	YES	YES (Optional)
OHH2062SU	6mm hoe Probe	NO	NO	NO	YES	NO
OHH2081SU	8mm Hoe Probe	NO	NO	NO	YES	NO
EXP2681SU	Extraction Probe	NO	NO	NO	YES	YES (Optional)



## Osteotome Probes

- Flat OHFO2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**
- Serrated OHSO2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**
- Curved Serrated OHC2SO2060SU **CAN USE WITH OR WITHOUT BONECUTTER EXTENSION BAR OBE2000**



### Theatre Set-Up

- 1 Plug one end of the cable into the channel ports on the generator and air nozzle hose from the footswitch



### NON-STERILE

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### STERILE

- 2 Plug the alternate end of the cable into the each handset (sterile)

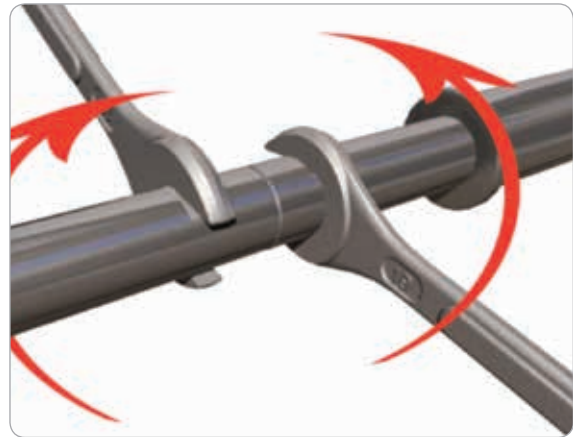


- 3 Align the **red dots** and press together, listening for a click to ensure a stable connection



*(Note there is a collar on the connectors this needs to be pulled to remove the connection. Connectors **must not** be removed by twisting or the pulling the cable)*

- 4** Screw in the intended probe to the handset using the spanners provided. **Do not** overtighten.



### STERILE

### NON-STERILE

- 5** Activate the generator using the ON/OFF switch at the rear



- 6** LED light indicator  
**Blue** = when handset selected  
**Yellow** = when handset is active  
 Handset are selected by pressing central button with a tactile "click"

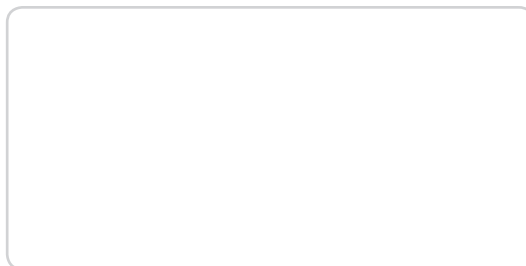
Please visit <http://web.orthofix.com/sites/Country/Intl/Products/Pages/OSCAR3-Lower.aspx?catid=29> for full information on indications for use, contraindications, warnings, precautions, adverse reactions information, and sterilization.



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