

Product Specification Sheet

Single-Use Acetabular Reamers

General Information

Product Name	Single-Use Acetabular Reamer
Manufacturer	OsteoFit LLC
Device Type	Single-use orthopedic surgical cutting instrument
Intended Use	Surgical preparation (reaming) of the acetabulum to receive a hip implant during primary or revision total hip arthroplasty
Intended User	Trained orthopedic surgeon operating in a sterile surgical environment
Regulatory Classification	Class I 510(k) exempt in the US and Class 2 Health Canada

Available Sizes

Available in diameters from 45 mm to 58 mm in 1 mm increments (14 sizes total).



PART NUMBER	DESCRIPTION	COLOR
11-100-0045	45mm Single-Use Acetabular Reamer	Orange
11-100-0046	46mm Single-Use Acetabular Reamer	Gray
11-100-0047	47mm Single-Use Acetabular Reamer	Sky Blue
11-100-0048	48mm Single-Use Acetabular Reamer	Black
11-100-0049	49mm Single-Use Acetabular Reamer	Light Green
11-100-0050	50mm Single-Use Acetabular Reamer	Brown
11-100-0051	51mm Single-Use Acetabular Reamer	Yellow
11-100-0052	52mm Single-Use Acetabular Reamer	Blue
11-100-0053	53mm Single-Use Acetabular Reamer	Red
11-100-0054	54mm Single-Use Acetabular Reamer	Green
11-100-0055	55mm Single-Use Acetabular Reamer	Orange
11-100-0056	56mm Single-Use Acetabular Reamer	Gray
11-100-0057	57mm Single-Use Acetabular Reamer	Sky Blue
11-100-0058	58mm Single-Use Acetabular Reamer	Black

Materials of Construction

- Dome cutting panel (1) — stamped stainless steel
- Side cutting panels (4) — stamped stainless steel
- Core — injection-molded medical-grade polycarbonate, color-coded by reamer size
- Back plate — injection-molded medical-grade polycarbonate, color-coded by reamer size; joined to the core subassembly by ultrasonic welding

Design & Performance Specifications

Reaming Accuracy	Nominal cavity diameter held to within ± 0.3 mm of designated reamer size
Teeth Height	0.5mm
Geometry	Hemisphere with equatorial centerline through cross bar back plate
Shaft/Handpiece Compatibility	Back plate cross bar designed for direct assembly with existing industry-standard reamer shafts (no proprietary coupling required)

Sterilization & Packaging

Sterilization Method	Ethylene oxide (EtO)
Sterile Barrier	Double Tyvek® blister
Outer Packaging	Protective outer carton

Required Accessories (Not Supplied)

The following components are required for use but are not supplied with the Single-Use Acetabular Reamer; they are provided as standard instrumentation by the hip implant manufacturer or medical facility:

- Acetabular reamer shaft — couples the reamer to the powered surgical handpiece
- Powered surgical handpiece — delivers rotational cutting motion

For full indications, warnings, and precautions refer to the Instructions for Use (IFU).



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