



BioPlugs™



A MEDSMART SOLUTIONS FAMILY MEMBER

BioPlugs™ Resorbable Cement Restrictors

Adequate cement filling has proven to be essential to the success of long-term joint replacement. BioPlugs perform this vital function. They are resorbable bone cement plugs or cement restrictors which seal the medullary canal thus enabling optimal cementing of a prosthesis.

Chemically composed of Gelatine, Glycerol and Water, sterilised in a double blister package by gamma radiation (minimum of 25 kGy), Orthopaedic Innovation BioPlugs™ are available in sizes 8, 10, 12, 14, 16 and 18 mm and have many advanced features including:

- **The Peak Pressure Release System (PPRS®)**

This is a small aperture (560µm) in the distal part of the plug. This aperture functions as an air vent that allows air to be released, greatly reducing the distal pressure.

In addition to a lower distal pressure, the PPRS also helps in balancing the pressure distribution on the device. This in turn allows more accurate positioning and a more clear-cut cement interface as well giving the user the opportunity to use larger plugs for a tighter fit.

- **Unique three ring design**

The three ring design of Orthopaedic Innovation BioPlugs™ is designed to increase the contact surface with the instrument set during insertion thereby decreasing the risk of displacement when the cement is applied.

- **Conical insertion hole**

The conical shape of the insertion hole in the plug eliminates any traction force on it when the inserter instrument is withdrawn. This further reduces the distal pressure which in turn ensures the plug is not pulled along backwards whilst the instrument is being withdrawn.

- **Improved instrument set**

The innovative design of the instrument set allows the user to measure the femoral canal and to insert the plug with the same device.

The instrument set consists of six trials (8, 10, 12, 14, 16 and 18 mm) which correspond to the size of the plug, an inserter and an instrument tray. They are also supplied in a box, designed for steam sterilisation.



Description	Size (mm)	Product Code
BioPlugs™ Resorbable Cement Plug	8	BM0025
BioPlugs™ Resorbable Cement Plug	10	BM0026
BioPlugs™ Resorbable Cement Plug	12	BM0027
BioPlugs™ Resorbable Cement Plug	14	BM0028
BioPlugs™ Resorbable Cement Plug	16	BM0029
BioPlugs™ Resorbable Cement Plug	18	BM0030
BioPlugs™ Instrument Set	-	BM0240



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