

Brass Build up Caps for 3^G –pSi Field Detectors

1. General description

IBA Dosimetry supplies a set of 5 brass build-up caps as accessories to the IBA PFD 3^G-pSi field detectors (see photos below). The brass build-ups are intended to be used together with PFD 3^G-pSi field detectors for the measurement of head scatter factors in-air for Elekta Randerplan/Preciseplan and Nucletron Oncentra DCM/Masterplan.



view 1



view 2

A set of 5 brass build-up caps

2. Technical data

Material: Brass EN CuZn39Pb3 (Cu: 58 %, Zn: 39 %, Pb: 3 %)
 Part number: 735491
 Density: 8.5 g/cm³
 Dimension and energy:

	External length (mm)	External ø (mm)	Inner ø (mm)	Wall thickness(mm)	Energy (MV)
1	22.0	11.2	7.2	2.0	4 - 6
2	24.0	15.2	7.2	4.0	8 - 12
3	26.0	19.2	7.2	6.0	15
4	28.0	23.2	7.2	8.0	18 - 20
5	30.0	27.2	7.2	10.0	25

The different wall thicknesses of the caps correspond to different depths in water.

3. Mounting

PFD 3^G-pSi diodes can be mounted inside the 5 brass build-up caps.



i. A PFD 3^G-pSi diodes and a brass build-up cap



ii. A PFD 3^G-pSi diodes inside a brass build-up cap

With dedicated holders, these build-up caps can be also mounted in the following IBA Dosimetry Water Phantoms:

- RFA-200
- RFA-300
- Blue Phantom
- Blue Phantom²



A brass build-up cap on a RFA holder

In case of any further questions, please contact us under:

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