



#### CeramTec TRECERANIC EXPERTS

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The measured values mentioned before were determined for test samples and are applicable as standard values. The values were determined on the basis of DIN-/DIN-VDE standards and if these were not available, on the basis of CeramTec standards. The values indicated must not be transferred to arbitrary formats, components or parts featuring different surface qualities. They do not constitute a guarantee for certain properties. We expressly reserve the right to make technical changes.

# **MATERIAL DATA**

### D E F E N C E

PZT Hemispheres and Full Sphere Assemblies

THE CERAMIC EXPERTS

# Material data

# facts

#### **Typical Materials**

Material	Navy Type
PZT4 Series	I
PZT5A Series	ll
PZT807	III

#### **Typical Diameter Sizes**

Typical Diameter Sizes mm	
mm	Inches
6	0,23
12,7	0,50
19,05	0,75
22	0,86
25,4	1,00
31,75	1,25
50,8	2,50
76,2	3,00
101,6	4,00
152,4	6,00

#### **Typical Shapes**





Hole in apex

Standard

PZT Hemispheres and Full Sphere Assemblies

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CeramTec produce a range of Standard and custom designed Hemispheres and / or complete Assemblies with over moulding for sonar systems used for anti-submarine warfare and mine hunting systems, including towed array systems for ASW, diver detection systems and commercial oil & gas surveying.







#### Size Range:

- Outside Diameter from 6 mm (0.24") up to 203.2 mm (8")
- Wall thickness: 1 mm (0.04") up to 10mm (0.39")

## Standard mechanical tolerances

- Outside Diameter from 6 mm (0.24") up to 203.2 mm (8")
- Wall thickness: 1 mm (0.04") up to 10 mm (0.39")





Custom