

# GlobeHeat Datasheet : Product Code GHT 9307



## Product Description: Round Magnetic Pair with Bar

Two 60mm round limpet magnets fitted to a 230mm powder coated bar.

## Applications

Used to hold flexible insulated preheaters (FIPs) to the workpiece during preheat up to 250°C. Two pairs per FIP are recommended to hold the FIP in place.

## Specification

Dimensions of magnets	60mm diameter x 16mm deep
Length of connecting bar	230mm
Maximum recommended holding temperature	250°C (higher temperatures will affect the magnetic holding performance)
Maximum working temperature	525°C

## Physical Characteristics of Magnets (Typical)

Density	6.9–7.3 g/cc
Vickers hardness	520–700 D.P.N
Curie temperature	525°C
Compression strength	300–400 N/mm <sup>2</sup>
Coefficient of thermal expansion	11.5–13 10 <sup>-6</sup> /°C
Electrical resistivity	45–70 μΩ.cm
Tensile strength	20–450 10 <sup>6</sup> Pa
Rockwell hardness	45–55

## Magnetic Properties

Residual magnetism BR	1.25 T (Tesla) : 12.5 kG (Gauss)
Coercivity Hc	50 kA/m
Intrinsic Coercivity Hci	54 kA/m
Maximum energy product BHmax	44 kJ/m <sup>3</sup>