A "ceramic nozzle 7.8" generally refers to a TIG (Tungsten Inert Gas) welding gas cup with a specific internal diameter (bore) of roughly 7.8 mm or 8.0 mm (often designated as a No. 5 or No. 8 size depending on regional measuring standards). These are high-temperature industrial consumables designed to focus shielding gas over the weld. [1, 2, 3, 4, 5]

Core Specifications & Features

- **Material:** Crafted from high-purity alumina ceramics, capable of withstanding intense radiant heat (often up to 1500° C - 1600° C). [1, 2, 3, 4]
- **Functionality:** Designed to safely direct and contain the flow of shielding gas (such as Argon) over the weld pool, protecting it and the tungsten electrode from atmospheric contamination and oxidation. [1, 2, 3]
- **Compatibility:** Typically designed to fit standard TIG welding torches (such as WP-17, WP-18, and WP-26 models), often utilizing a standard UNF thread or collar/push-on fitting. [1, 2, 3]
- **Durability:** The ceramic composition provides essential electrical insulation, high thermal resistance, and strong resistance to wear during heavy-duty industrial or workshop fabrication tasks