Ultrasonic Step Round Energy Director Variation

The step energy director variation joint for ultrasonic welding is used to obtain a strong, leak tight weld on parts with a thin wall thickness, less than 0.050" (1.27mm).

This type of weld joint contains flash well and can produce a clean, strong weld. Performance evaluations of the round ED using Dukane’s Ultrasonic Servo Welding Technology has confirmed that parts with this type of ED can be successfully welded with weld strength and consistency matching and even exceeding similar parts that have a 90-deg ED.