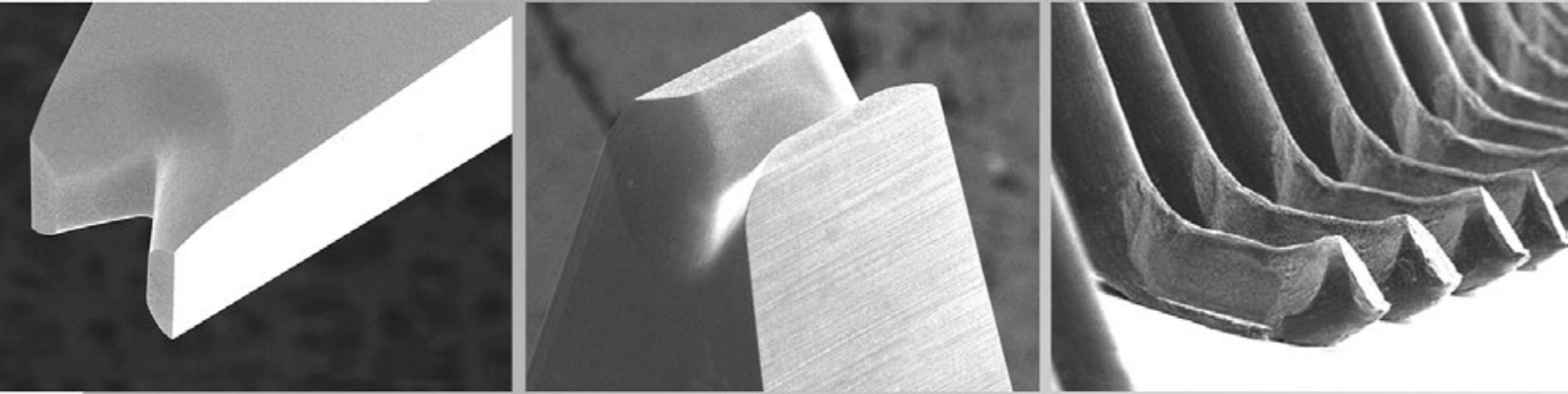


OSG7 Series

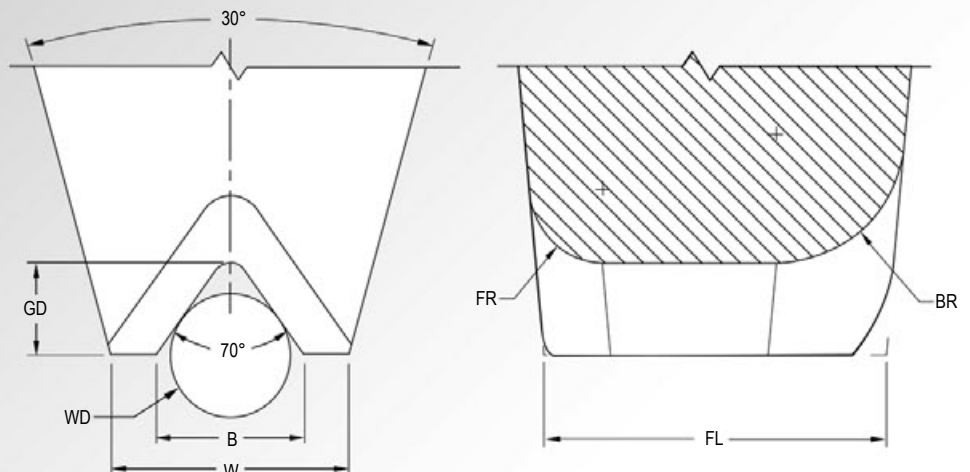
Large Wire Inline Groove Wedge



The OSG7 series is SPT's proven design of the inline groove style wedge. The Inline Groove is one of the most popular and successful bonding tool styles ever developed for Heavy Wire Bonding. The style was designed for automated heavy wire bonders made by leading OEMs such as Orthodyne, F&K Delvotec and Hesse & Knipps. It is available for aluminum wire diameters from 100 to 500 microns (5 to 20 mils).

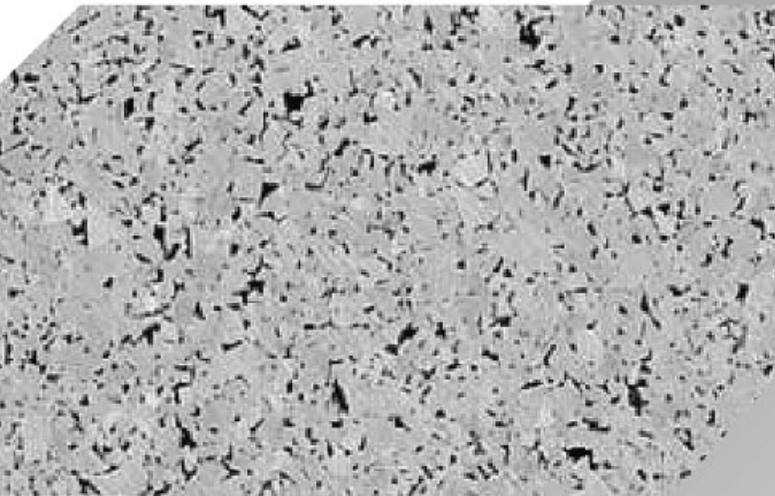
The OSG7 series uses an in-line V-groove that provides controlled wire deformation for consistent bond width. The deep V-groove allows no contact with the top of the wire during bonding to prevent heel damage. It also relieves some of the aluminum build up since the wire is not compressed into the top of the groove.

The front and back radius design of the OSG7 utilizes a flared complex shape to achieve an optimum bond profile with a smooth heel transition. The back radius is typically larger to help guide the wire through the groove.

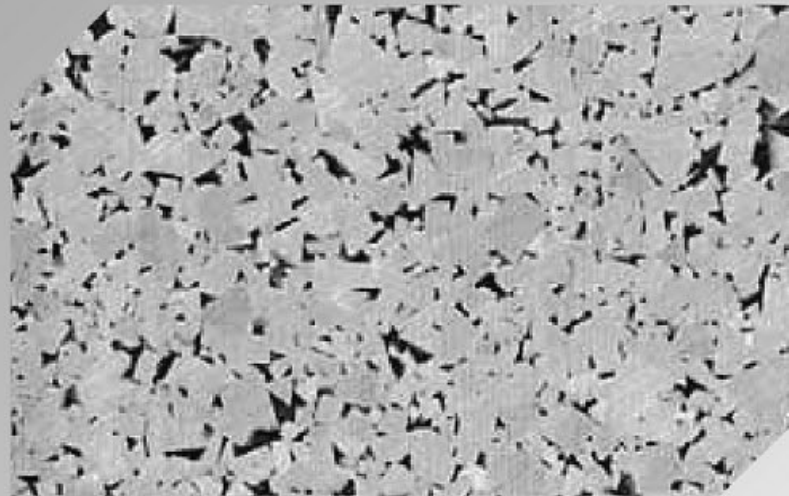


OSG7 Series

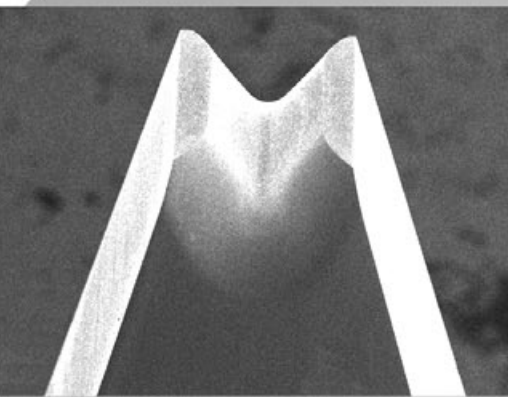
Large Wire Inline Groove Wedge



SPT premium grade fine grain
Tungsten Carbide material



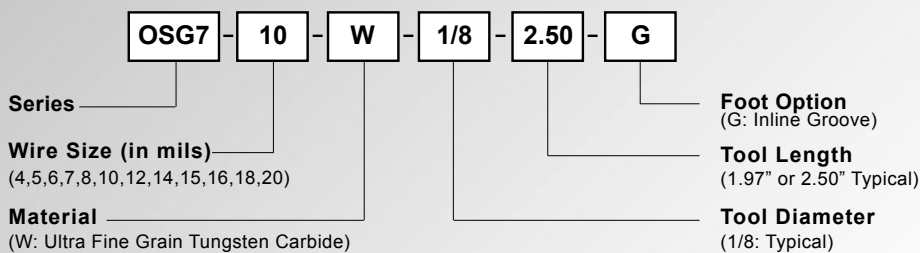
Tungsten Carbide material
from another supplier



Tungsten Carbide is the most commonly used material for producing large wire aluminum wedge bond tools. Our premium grade Tungsten Carbide used on OSG7 wedges provides efficient ultrasonic energy transfer due to its uniform, high density, fine grain structure. Our Tungsten Carbide tools are made in SPT's Ultra Fine Grain Tungsten Carbide. Through extensive field trials, SPT has continued to optimize the OSG7 to ever increasing higher standards.

Today, SPT's OSG7 style wedge is one of our most popular series, serving satisfied customers throughout the world. SPT's worldwide manufacturing and sales support provide our OSG7 customers with unrivaled support in product development and expedited lead time to compensate for fluctuations in high volume manufacturing schedules.

How To Order



Standard FL is around 2.8X of the wire size. For small bond or short FL requirement, consult our technical support staff for recommendations.

