

Diamond Coated Stack Drilling

Stack Drilling is a process where both a composite laminate (typically CFRP) is integrated into a match drilling stack applicaton with a metal (typically aluminum, titanium and or stainless steel). These applications are challenging and unique to each airframe manufacturer. OSG has a positive history and good success in stack drilling applicatons. The following are a few of our solutions.

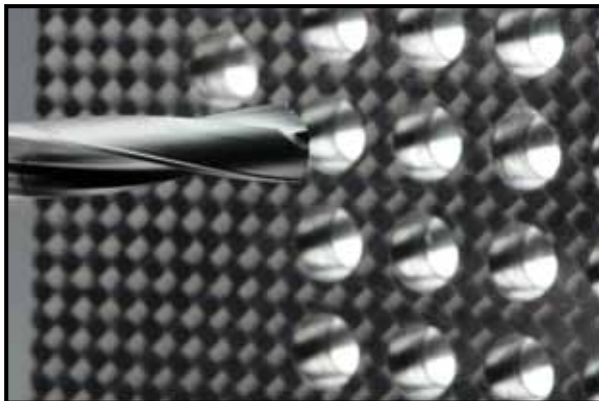


Type N & Type H

Bright & Diamond Coated

Type N - A diamond coated carbide drill specifically designed for drilling carbon fiber/titanium stack applications. It features a special point geometry with enhanced flute form for optimal chip evacuation to minimize "washout" or "reverse countersink" effect.

Type H - A high helix carbide drill for drilling CFRP/Metal stacks. It features a high helix and special flute form to assist in chip evacuation.



Applications

- ◆ Excels in carbon & metal stacks
- ◆ Type N - low thrust requirements
- ◆ Type H - for general purpose stacks

Features

- ◆ Type N - nick geometry to break metal chips to easily managable pieces
- ◆ Type H - high helix for sharp cutting edges and easy chip evacuation
- ◆ Flute form for enhanced chip room
- ◆ Coolant through for cooling and chip evacuation