



A BRAND ADO-MICRO

Advanced Performance Small Diameter Coolant-Fed Carbide Drills

Efficient processing in small diameter deep-hole applications

PRIMARY TARGETS

- Small Diameter Drilling in Difficult to Machine Materials Where Coolant is Necessary
- Small Diameter Deep Hole Applications with High Accuracy
- Hole Diameters from 0.7-2.0mm

SOLUTIONS

- Eliminates Premature Breakage Issues
- Long Predictable Tool Life in Difficult to Machine Materials Can Be Achieved

WHAT OUR CUSTOMERS SEE

- ***We saved \$250K by incorporating this drill into production! OSG TRIPLED the tool life in Titanium!***

HOW DOES IT WORK?

Drill Design Enables Excellent Chip Evacuation Performance

- Unique Flute Form Creating Consistent Chip Shape for Easy Evacuation
- Large Coolant Holes with Hollow Shank Allows Greater Coolant Volume
- Double Margin Supports Holes Straightness & Accuracy

Ichada Coating

- New SUPER SMOOTH Coating Technology to Reduce Friction between Tool and Work Material



osgtool.com

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Advanced Performance Small Diameter Coolant-Through Carbide Drills

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ADO-MICRO's unique oil holes and flute geometry enable stable and high efficiency processing in small diameter deep-hole applications. Large oil holes and the hollow shank design allows greater coolant flow volume for smooth chip evacuation. The extended flute enables chips to be discharged from the tip of the flute to the extended flute with enhanced evacuation capability.



Features & Benefits

- **Unique flute geometry** that enables outstanding chip evacuation performance.
- **Large oil holes and hollow shank design** to allow greater coolant flow volume.
- **Double margin configuration** that supports the straightness stability of the tool.

List Numbers

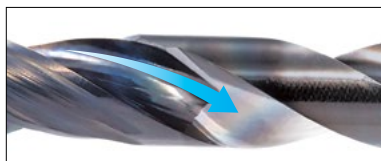
- 6501 - A Brand ADO-MICRO (2D)
- 6502 - A Brand ADO-MICRO (5D)
- 6503 - A Brand ADO-MICRO (12D)
- 6504 - A Brand ADO-MICRO (20D)
- 6505 - A Brand ADO-MICRO (30D)

Size Range

- 0.7mm-2mm
- 0.7mm-2mm
- 1mm-2mm
- 1mm-2mm
- 1mm-2mm

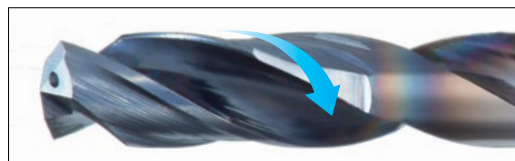
Flute Structure

Stable Performance in Small Diameter Deep-Hole Applications



Extended Flute

Chips are discharged from the tip of the flute to the extended flute with enhanced evacuation capability.



Removed End of Margin

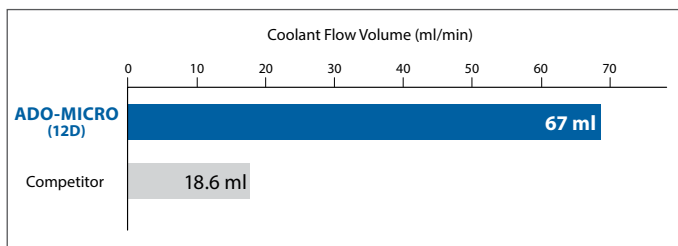
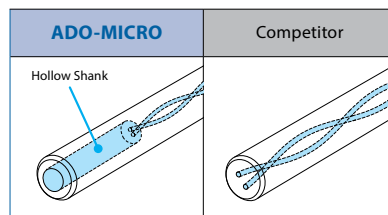
Capability to smoothly discharge "micro sludges" that can be easily accumulated around the outer periphery of the tool, which is a key cause of abrupt tool breakage.

Increased Coolant Flow

A Hollow Shank Design More than Triples the Coolant Flow

Greater coolant flow volume achieved by the hollow shank design to enable smooth chip evacuation.

Tool	ADO-MICRO (12D)	Competitor
Size	Ø1.5	
Shank Style	Hollow	Solid
Coolant	Water-Soluble (Internal)	
Coolant Pressure	1.5Mpa	
Time	60 Seconds	



For more information use your phone to scan the QR code to the right and visit: osgtool.com/ado-micro

