



# A BRAND<sup>®</sup> ADO

Advanced Performance Drills for Ferrous & Non-Ferrous Materials

**Drill in a variety of steels up to 50xD without pecking**

## PRIMARY TARGETS

- Single Drill Series to Cover a WIDE Range of Materials
- Shops Looking to Consolidate Drill Inventory & Types
- Customers reviewing increased performance and tool life for drilling operations

## SOLUTIONS

- Tool Life Increase & Increased Efficiencies
- Standardize Shop Drill Inventory with Single Series

Scan or  
Click to  
Research  
it Online!



## WHAT OUR CUSTOMERS SEE

- ***WOW! I have seen 40% more tool life with the ADO versus your previous product, at the same cost! Thank you OSG!***

## HOW DOES IT WORK?

### Optimized Drill Specification for Every Depth

- 2D, 3D, 4D, 5D, 8D: Wavy Point w/ Wide Chip Room to Enhance Chip Shape & Evacuation
- 8D, 10D, 15D, 20D, 25D, 30D: Middle Margin for Deep Hole Stability
- 40D, 50D (**NEW!**): New Drill Design Specifications for Ultra Deep-Hole Applications

Scan or  
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Watch it  
in Action!



### EgiAs Coating

- New Coating Technology Provides Wear Resistance & Toughness
- Specialized Coating for Drilling Operations



**A**  
The A Brand



# A Brand® ADO

## Advanced Performance Drills for Ferrous & Non-Ferrous Materials

### A Brand® ADO

The A Brand® ADO drill series is OSG's premium line of carbide coolant-through high performance drills, designed to drill in a variety of steels up to 50X diameter without pecking. New point geometry reduces thrust forces, while our proprietary EgiAs coating provides drastically higher hardness and heat resistance, enabling higher drilling speeds and incredible tool life.



### Features & Benefits

- **OSG's proprietary EgiAs coating** provides higher oxidation temperature and hardness improving wear resistance.
- **Wavy form cutting edge design (3D-8D)** reduces thrust forces and produces smaller chips for easy evacuation.
- **Internal coolant holes** reduces heat and improves chip evacuation for increased tool life and faster drilling speeds.

### List Numbers

6500 - A Brand® ADO (3D)  
 6510 - A Brand® ADO (5D)  
 6520 - A Brand® ADO (8D)  
 6530 - A Brand® ADO (10D)  
 6535 - A Brand® ADO (15D)  
 6540 - A Brand® ADO (20D)  
 6550 - A Brand® ADO (30D)  
 6560 - A Brand® ADO (40D)  
 6570 - A Brand® ADO (50D)

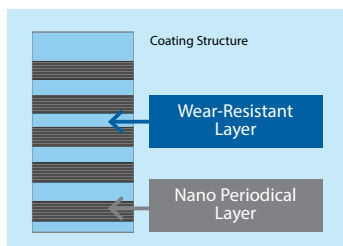
### Size Range

2mm-20mm, 3/32"-3/4"  
 2mm-20mm, 3/32"-3/4"  
 2mm-15.88mm, 3/32"-5/8"  
 2mm-14.29mm, 3/32"-9/16"  
 3mm-14.29mm, 1/8"-9/16"  
 3mm-14.29mm, 1/8"-9/16"  
 3mm-14.29mm, 1/8"-9/16"  
 3mm-10mm, 1/8"-3/8"  
 3mm-8mm, 1/8"-5/16"

### EgiAs Coating

#### Exceptional Wear Resistance & Toughness

Constructed with extreme toughness, high wear and heat resistance characteristics to ensure stable and consistent tool life. Suppresses friction with the wear resistance layer; prevents breakage with the nano periodical layer.



Coating Color	Coating Structure	Hardness (Hv)	Oxidation Temperature (°C)	Heat Resistance	Adhesion Strength	Wear Resistance	Welding Resistance	Toughness
Iridescent Color	Periodic Nano-layer and wear resistance layer	3,200	1,100	☉	☉	☉	☉	☉

### Two Point Forms Based on Length

#### Wavy Point Form (3D-8D) or Straight Point Form (10D-50D)

Wavy point form improves the sharpness of the cutting edge at various areas where the cutting force fluctuates with the cutting speed, thereby achieving low thrust, stable torque, and longer tool life.

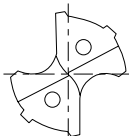
Straight point form offers superior point strength with low cutting forces for long drills even with long overhang length.

### Middle Margin Design (8D-30D)

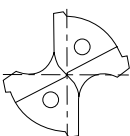
#### More Stability than Conventional Double Margin Designs

Unlike the conventional double margin, the second margin has been placed in the center of the peripheral land. This has shortened the time from the start of engagement to the four-point restraint by the double margin. Furthermore, it has improved stability during intermittent cutting such as cross-drilling or when penetrating an angled surface.

Middle Margin Design



Conventional Double Margin Design



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