



# A BRAND<sup>®</sup> ADO-TRS

Advanced Performance High Feed 3-Flute Carbide Drills

**The Fastest and Most Productive Drill in the World!**

## PRIMARY TARGETS

- 2-Fluted Drills in Steels & Cast Irons
- Customers Who Have the Need for Speed!

## SOLUTIONS

- Increased Productivity, Hole Quality and Overall shop **CAPACITY!**
- Eliminate Reaming Operations

Scan or  
Click to  
Research  
it Online!



## RESULTS

- **A 30-50% Reduction in Cycle Time!**

## HOW DOES IT WORK?

### 3-Flute Design

- Higher Feed Rates than 2-Flute Drills
- High Accuracy Holes
- Reduces Work Hardening

Scan or  
Click to  
Watch it  
in Action!

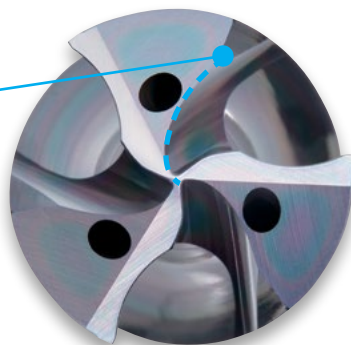


### R Gash Geometry

- Lower Cutting Resistance
- Outstanding Chip Management



S50C  
Work Material



# A Brand® ADO-TRS

## Advanced Performance High Feed 3-Flute Carbide Drills

### A Brand® ADO-TRS

The A Brand® ADO-TRS drill with its advanced performance 3-flute geometry, allows for reduced vibration, higher feed rates, improved chip evacuation, decreased work hardening, and stable drilling. The end result is up to 3X faster than 2-flute drills and up to 3X longer life.



### Features & Benefits

- **OSG's EgiAs nano multilayered coating** delivers exceptional wear resistance and toughness.
- **Patented flute geometry** breaks steel chips into small, manageable pieces for easy evacuation.
- **The 120°, equally spaced, margins** of the 3-flute design allows for more stable, vibration-free, hole processing while increasing hole quality and tolerance.

### List Numbers

6600 - A Brand® ADO-TRS (3D)  
6610 - A Brand® ADO-TRS (5D)

### Size Range

3mm-20mm, 1/8"-3/4"  
3mm-20mm, 1/8"-3/4"

### 3-Flute vs 2-Flute

#### The 3 Advantages of a 3-Flute Design

#### High Feed Rate:

OSG's ADO-TRS drills have a specially shaped flute (PAT.P.) that breaks steel chips into small, manageable pieces for easy evacuation. This allows for increased feed rates up to 1.5 to 3 times faster than 2-fluted drills.

#### High Precision:

The 120° equal spacing margins of the 3-flute design allows for more stable, vibration-free hole processing, thereby increasing hole quality and tolerance.

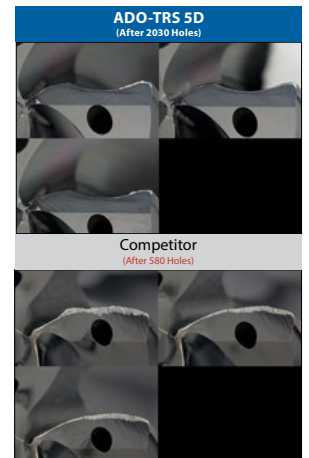
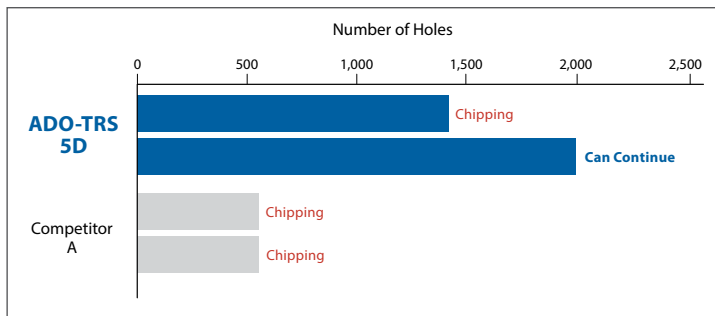
#### Reduced Work Hardening:

The amount of work hardening and depth of work hardening have a tendency to be proportional to the feed per revolution. Compared to 2-flute drills with the same feed per revolution, the 3-flute design has proven to decrease work hardening.

### Tool Life in Cast Iron

#### Gray Cast Iron

Tool	ADO-TRS 5D	Competitor A
Drill Size	Ø8.5mm	
Work Material	Gray Cast Iron	
Cutting Speed	230 SFM (2,625 RPM)	
Feed Rate	44.6 IPM (0.017 IPR)	
Depth of Hole	43 mm	
Coolant	Water Soluble	
Machine	Vertical Machining Center	



Website: [www.dgisupply.ca](http://www.dgisupply.ca)  
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