



A BRAND 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

WHAT OUR CUSTOMERS SEE

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



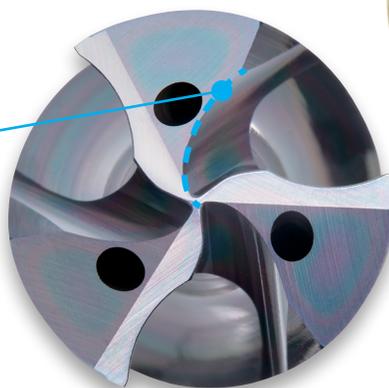
HOW DOES IT WORK?

3-Flute Design

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

R Gash Geometry

- Lower Cutting Resistance
- Outstanding Chip Management



| ADO-TRS | Competitor (3FL) | Competitor (2FL) |
|---------|------------------|------------------|
| | | |
| | | |

S50C Work Material



osgtool.com

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A Brand ADO-TRS

Advanced Performance High Feed 3-Flute Carbide Drills

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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.

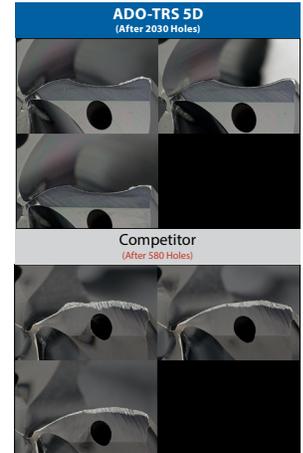
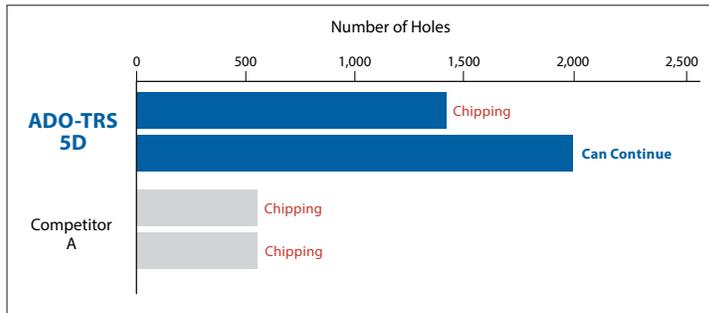
Reduced Work Hardening:

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 | |



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



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