A BRAN D ADO-T RS
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)
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[Image of drill designs]

osgtool.com
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OSG Canada, Ltd. : 905-632-8032 • OSG Royco (Mexico) : (52) 477 478-02-00
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.

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

<table>
<thead>
<tr>
<th>Tool</th>
<th>ADO-TRS SD</th>
<th>Competitor A</th>
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</thead>
<tbody>
<tr>
<td>Drill Size</td>
<td>Ø8.5mm</td>
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<tr>
<td>Work Material</td>
<td>Gray Cast Iron</td>
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<tr>
<td>Cutting Speed</td>
<td>230 SFM (2,625 RPM)</td>
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<tr>
<td>Feed Rate</td>
<td>44.6 IPM (0.017 IPR)</td>
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<tr>
<td>Depth of Hole</td>
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<td>Coolant</td>
<td>Water Soluble</td>
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<tr>
<td>Machine</td>
<td>Vertical Machining Center</td>
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<table>
<thead>
<tr>
<th>Number of Holes</th>
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For more information use your phone to scan the QR code to the right and visit: osgtool.com/ado-trs

ADO-TRS 5D
(After 2030 Holes)

Competitor
(After 580 Holes)

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