



# A BRAND<sup>®</sup> AD-LDS

Advanced Performance Carbide Spot Drill

**Increases Processing Speed for Centering & Countersinking**

## PRIMARY TARGETS

- Customers who Center Drill and/or Countersink looking to increase speed and tool life

## SOLUTIONS

- Reduction of Chipping on Cutting Edge in Wide Range of Materials

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## WHAT OUR CUSTOMERS SEE

- *We went from purchasing 20pcs a month of those cheap brands to one OSG!*

## HOW DOES IT WORK?

**Geometry, Sharpness and Chipping Resistance Carbide**

- Great Attributes Equals Great Tool

**EgiAs Coating**

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



# A Brand® AD-LDS

## Advanced Performance Carbide Spot Drill

### A Brand® AD-LDS

The A Brand® AD-LDS increases processing speed for both centering and countersinking. Constructed with extreme toughness, high wear and heat resistance characteristics to ensure stable and consistent tool life.



### Features & Benefits

- **OSG's proprietary EgiAs coating** suppresses friction with the wear resistance layer and prevents breakage.
- **Unique Cutting Geometry** for superior sharpness and high chipping resistance.

### List Numbers

5190 - A Brand® AD-LDS (4D)

### Size Range

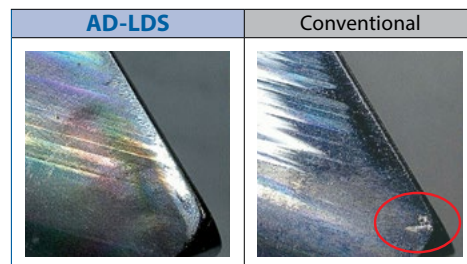
3mm-25mm

### EgiAs Coating

#### Exceptional Wear Resistance & Toughness

Constructed with extreme toughness, high wear resistance characteristics to ensure stable and consistent tool life.

Tool	AD-LDS	Conventional
Drill Size	Ø12x90°	
Work Material	Carbon Steel	
Cutting Speed	164 SFM (1,326 RPM)	
Feed Rate	9.4 IPM (0.007 IPR)	
Coolant	Water-Soluble	
Machine	Horizontal Machining Center	



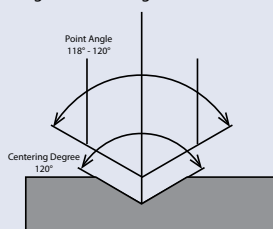
### Selection Chart for Spot Drills

#### Classifying Spot Drill by Point Angle

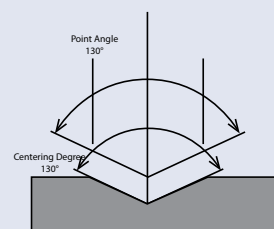
Spot drills can perform both centering and chamfering. Centering improves drilling precision. Chamfering prevents burrs on the end face during tapping and removes burrs that may occur during drilling.

**Point Angle 90°**  
for 45° chamfering, for both centering and chamfering.

**Point Angle 120° & 130°**  
for centering before drilling.

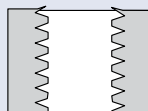


Centering 120°

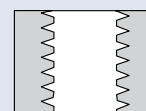


Centering 130°

**Point Angle 60°**  
for chamfering when tapping with form tap. When a form tap is used, and the entrance to the hole is not chamfered, burring is likely to occur. It is recommended to use a spot drill with a 60° chamfer to prevent burring.



Burring



Chamfered 60°



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