

【Question】



What is the difference between a CE-S and a CD-S centering tools?
How I can distinguish one from the other?

【Answer】

The CE-S centering tool has angled flutes with a high helix that are suitable for cutting soft stringy materials.

The CD-S centering tool has angled flutes with a low helix that is recommended for hard materials as it has a cutting edge that can accept more force.



【Guide】

The difference between a CE-S and a CD-S is the shape of the flute and the characteristics of each design.

C E - S Angled flutes with a High Helix.



< Side View >



C D - S Angled flutes with a Low Helix.



< Side View >



Flute Helix Angle	High	Low
Characteristics		
Twisted chips ejection	Large	Small
Workability	Excellent	Poor
Cutting Edge Intensity	Slow	Quick
Wear resistance	Poor	Excellent

The CE-S centering tool is suitable for cutting stringy materials that eject twisted chips.

The CD-S centering tool is suitable for cutting hard materials that create difficult-to-twist chips.

Understanding the difference between a CE-S and a CD-S will help you select the center drilling tool best suited for your application.



CE-S is recommended for Low Carbon Steels, Stainless Steels, Titanium, Aluminum, Copper, etc.

CD-S is recommended for High Carbon Steels, Alloy Steels, Tool Steels, Cast Iron, Nickel Based Alloys, Brass etc.