



# SharperDrills™

The Precision Drill Grinder Store



Patented

## Portable Drill Sharpener

### DGS 01

Drill Point Angle 118 to 135 Degree, Adjustable

### DGS 11

Drill Point Angle 90 to 140 Degree, Adjustable

Precision collet holder system for concentric, accurate drill center points and S-type web thinning. Stable finishing quality with minimal stock removal.



Even small diameter drills are easily re-sharpened.



For drill sizes from 2 to 13mm or 0.08" to 1"

Solid all metal grinder design provides the platform to repeat quality results by removing only minimal material.

Portable and simple to use with functional and operator-friendly design features.

Simple and accurate re-sharpening of two flute spiral drills, from HSS to Cobalt and Solid Carbide.

A CBN grinding wheel is included and easily exchanged with the optional diamond plated grinding wheel.



# Simple to Operate! Anyone can make a perfect point.



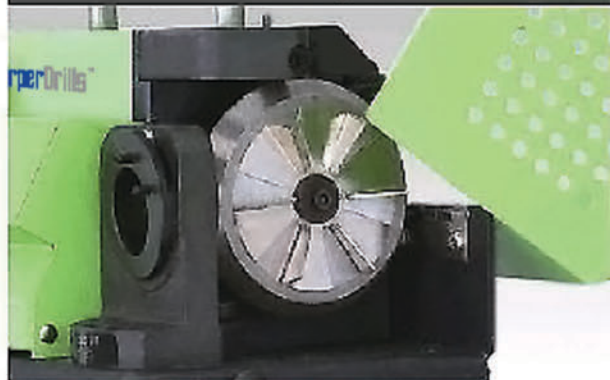
**First: Grinding The Drill Point In One Step**



**Second: Grinding The Relief (Web Thinning)**



**The Grinding Wheel**



**Standard CBN 200 Wheel  
For HSS Drills**



**Optional SDC 230 Wheel  
For Carbide Drills**



**Integrated Collet Stock Shelf**



For best drill concentricity, the perfect point is guaranteed by the collet clamps. Conveniently stored in the front rack of the grinder, collet sizes from #2 to #13 in 0.040" (1mm) steps are provided. As an option intermediate collets ranging from #2.5 to #12.5 in 0.040" (1mm) steps are available to further improve the results when needed, like for high speed drilling.

Quiet running design with high quality CBN wheel (200 Grade for HSS) and optional SDC Diamod Wheel (230 Grad for Solid Carbide).

Model	SharperDrills™ DGS 01	SharperDrills™ DGS 11
Drill Size Range	0.08" (#47) to 1/2" (2mm to 13mm)	0.08" (#47) to 1/2" (2mm to 13mm)
Drill Point Angle	118° to 135°	90° to 140°
Power Supply	120V, single phase, 60cycle (or optional 220-240V, single phase, 50 cycle)	
Motor Speed	Precision Motor Grinding Spindle, running at 5,300rpm	
Grinding Wheel (Standard)	CBN wheel #200	CBN wheel #200
Collets (Standard)	Set of steel collets, consisting of 12 each. (#2 to #13)	
Grinder Size	Length x Width x Height: 280 x 133 x 155 mm ( 11" x 5 1/4" x 6 1/8")	
Weight	about 18 lbs ( 8 kg)	
Standard Accessories	Grinding chuck assembly for size range, set of collets (12 each), allen wrenches (2 each), adjustment shim, power cord, operating manual in english.	

Technical details are subject to change without notice, for ongoing design improvements. There is no best, only better and better.



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