



SharperDrills™

The Precision Drill Grinder Store



Patented

Portable Drill Sharpener

DGS 21

Drill Point Angle 90 to 140 Degree, Adjustable

DGS 25

Drill Point Angle 90 to 140 Degree, Adjustable

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

Easy to re-grind even small diameter drills.



DGS 25 Range: 3mm to 26mm in drill diameter, or 0.11" to 1" in drill diameter

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

Portable and easy 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.



Photo: DGS 25



Simple to Operate! Anyone can make a perfect point.



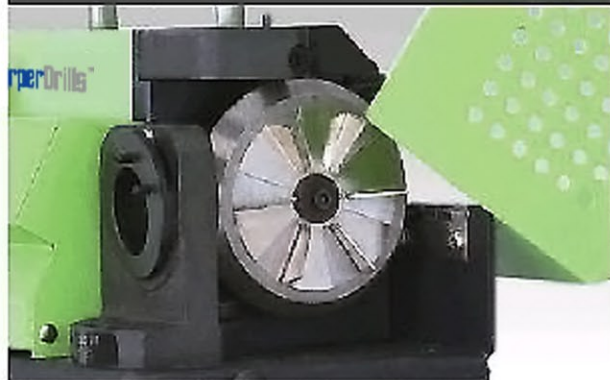
First: Grinding The Drill Point In One Step



Second: Grinding The Split Point (Web Thinning)



The Grinding Wheel



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

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 #8 to #22 in 0.040" (1mm) steps are readily available. For the DGS 25 sharpener additional collets to support up to 1" drill diameters plus a grinding chuck adapter with collets from #3 to #7 are supplied for drill bit diameters from 3mm (2/32") to 7mm (0.32") in size.

| Model | SharperDrills™ DGS 21 | SharperDrills™ DGS 25 |
|---------------------------|---|---|
| Drill Size Range | 0.32" to 0.87" (8 mm to 22 mm) | 3/32" to 1.0" (3 mm to 25.4 mm) |
| Drill Point Angle | 90° to 140° | 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 3,280 rpm | |
| Grinding Wheel (Standard) | CBN wheel #200 for HSS | CBN wheel #200 for HSS |
| Collets (Standard) | Set of steel collets, consisting of 15 each. (#8 to #22) | Set of ER32 steel collets, consisting of 19 each (#8 to #25.4), adapter with set of ER16 steel collets, 5 each (#3 to #7) |
| Grinder size | Length x Width x Height:: 430 x 204 x 223 mm (17" x 8" x 8 3/4"), approximately | |
| Weight | About 44lbs (20kg) | |
| Standard Accessories | Grinding chuck assembly for size range, set of collets ER32, allen wrenches (2 each), adjustment shim, power cord, operating manual in english. | Grinding chuck assembly for size range, grinding chuck adapter ER32/ER16, set of collets ER32, set of collets ER16, 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.

