



# SharperDrills™

The Precision Drill Grinder Store



## DGS 19 - Combination Drill Sharpener

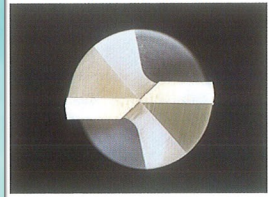


Our most economic  
Multi-Function Machine for  
Standard Drill Points,  
Split Point Drills,  
and a step up to  
Multi-Facet Drill Points  
for the most used  
118 deg. drill bits.

**RIGID ALL METAL DESIGN**  
**EASY TO USE**  
**PRECISE AND STABLE RESULTS**

Technical Specifications:		Technical Specifications:		DGS 19 Drill Sharpener	
Drill Point Type		Drill Point Type	2 Flute Drills with Nachi ES- Point*	2 Flute Drills with Standard Point	
Drill Bit Diameter Range		Drill Bit Diameter Range	2 to 13 mm 0.080 to 1/2 inch	2 to 13 mm 0.080 to 1/2 inch	
Point Angle Range		Point Angle Range	118 degree fixed	90 to 140 degree	
Web Thinning		Web Thinning / Split-Point	X-thinning modified	X-thinning	
Spindle Speed		Grinding Wheel Size	80 mm 3 1/8 inch	80 mm 3 1/8 inch	
Grinding Wheel Type		Grinding Wheel Type	Electro Plated CBN #200, total of 2 (ea)		
Grinding Wheel Size		Spindle Speed	5300 rpm		
Collet Size		Collet Size	ER 20		
Power Supply		Power Supply	Single Phase, 120V, 50/60 cycle, (Option: 220V-240V, 50cycle)		
Grinder Size Length x Width		Grinder Size Length x Width x Heights	283 x 145 x 210 mm	11 1/4 x 5 3/4 x 8 1/4 inch	
Grinder Weight	appr	Grinder Weight	12.5 kg	27.5 lbs	
Standard Accessories (included)		Standard Accessories (included)	12 Each ER20 Collets, Size # 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 Grinding Chuck, Metal Shim Set for Web Thinning Adjustment, Power Cord 2 Each Allen Wrenches, 3mm and 4mm Size, Operating Manual (English)		
Available Options		Available Options	Electro Plated Diamond Wheel, SDC # 230 * Multi Facet, Multi Rake Point Set of Intermediate Collets: Size # 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5		

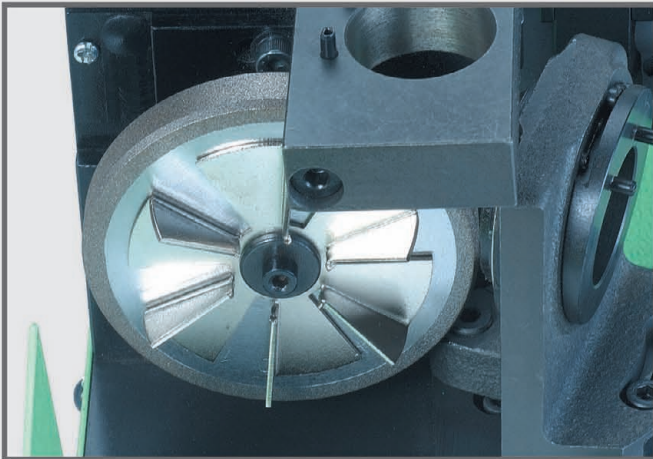
NACHI SG-ES Drill Point Style:  
3 rake angles and split point



# Multi Function Drill Sharpener



Large, High Quality Electro Plated Grinding Wheels Require no Dressing And Guarantee Stable Results.



## 1. Standard Grinding Ports on right side.



Sharpen Drill Points  
from 90 to 140 deg.  
Spli-Point with  
X-thinning



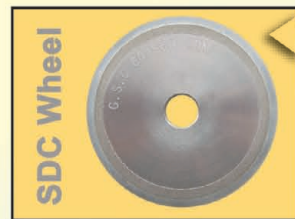
## 2. Grinding Ports on left side. ( Steps for ES-Point.)



Sharpen Multi-Facet Point  
Geometries for standard  
118 degree Drills  
(Nachi SG-ES Point)



## Optional Accessories:



Diamond  
Plated  
Grinding  
Wheels  
for  
Carbide  
Drills



Grinding Chuck  
clamps with  
tool collets  
for precise  
tip concentricity



Collet  
Sets

Intermediate collet  
sizes, or special  
collet set to improve  
concentric clamping, e.g.  
for high speed drill use.

## 3. Standard Supplied Accessories:



Tool Collet Set  
for drill range  
specified.  
Precise centering  
of the drill bits  
for grinding.



Shim set for  
web thinning.  
Allen Wrenches,  
2 each.



Sharper Drills™ Ltd.

1232 W. Kemper Rd. Suite 221  
Cincinnati, Ohio 45240  
Phone: +1(513)328-5041  
www.sharperdrills.com