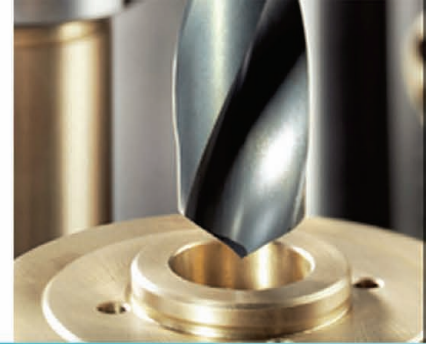




SharperDrills™

The Precision Drill Grinder Store



DGS 09 - Combination Drill Sharpener

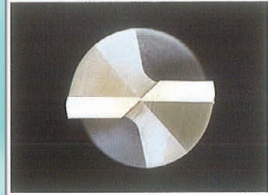


**Multi-Function Machine for
Standard Drill Points,
Split Point Drills
and
Multi-Facet Drill Points**

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

| Technical Specifications: | | DGS 09 Drill Sharpener | |
|--|--------------------------|--|------------------------------------|
| Drill Point Type | | 2 Flute Drills with Nachi ES-Point* | 2 Flute Drills with Standard Point |
| 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 | | 118 to 140 degree | 90 to 140 degree |
| Web Thinning / Split-Point | | X-type modified | X-type |
| Grinding Wheel Size | | 80 mm 3 1/8 inch | 80 mm 3 1/8 inch |
| Grinding Wheel Type | | Electro Plated CBN #200, total of 2 (ea) | |
| Spindle Speed | | 5300 rpm | |
| Collet Size | | ER 20 | |
| Power Supply | | Single Phase, 120V, 50/60 cycle. (Option: 220V-240V, 50cycle) | |
| 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 | approximately | 12.5 kg | 27.5 lbs |
| Standard Accessories (included) | | 15 Each Collets, Size # 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 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 | | Electro Plated Diamond Wheel, SDC # 230 | |
| | | * Multi Facet, Multi Rake Point Set of Intermediate Collets: Size # 7.5, 8.5, 9.5, 10.5, 11.5, 12.5 | |

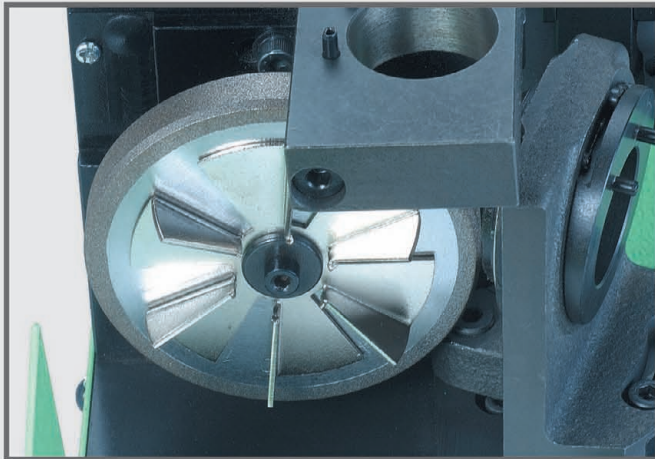
NACHI SG-ES Drill Point Style:
3 rake angles and split point



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.
Split-Point with
X-thinnig



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

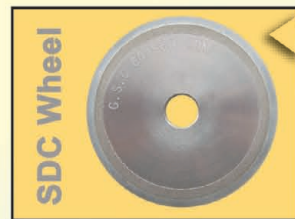


Sharpen Multi-Facet Point
Geometries from
118 to 140 deg.
(Nachi SG-ES Point)



Grinding Chuck
clamps with
tool collets
for precise
tip concentricity

Optional Accessories:



Diamond
Plated
Grinding
Wheels
for
Carbide
Drills



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 drill bits
for grinding.



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



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