



Product Catalog: Stationary Diamond Dressing Tools



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TOLL-FREE: 866-361-1756 or 973-492-0105, send an e-mail: bisondiamond@yahoo.com, or
visit us at bisondiamondtools.com

About

Mission

To be the first choice diamond tool manufacturer through commitment to customer needs and providing the highest quality products.

Our Company History

We have 20+ years of industry experience, and Bison Diamond Tools applies this experience to our customer needs. We have the capabilities to custom-build a product to meet your specific requirements. It all started in 1987 when Tomasz Sokolski, our president, came to the United States from Poland with the American Dream of owning his own business. Tomasz started his career in manufacturing diamond tools at the ground level and worked his way up for one of the oldest diamond tool manufacturing facilities in the country. As Tomasz gained experience and praise for his diligent attitude towards work and consistent quality product, he was given an opportunity to move into management. That was the pivotal point and beginnings of Bison Diamond Tools Corporation as Tomasz's true calling came from the American Dream of owning his own company. Bison Diamond Tools has been producing quality diamond tools ever since and has recently expanded overseas. Currently we have several top tier clients in the industry here and abroad. For overseas client needs, our sister company Polstar Diamond Tools Corporation. Quality is important to any manufacturer. We emphasize quality throughout each step of our manufacturing process. We also strive to be as efficient as possible so we can offer a competitive price to our customers.

Bison Diamond Standard:

Free Shipping

Over 200 items in stock for shipping 24/7

30 day Money back guarantee

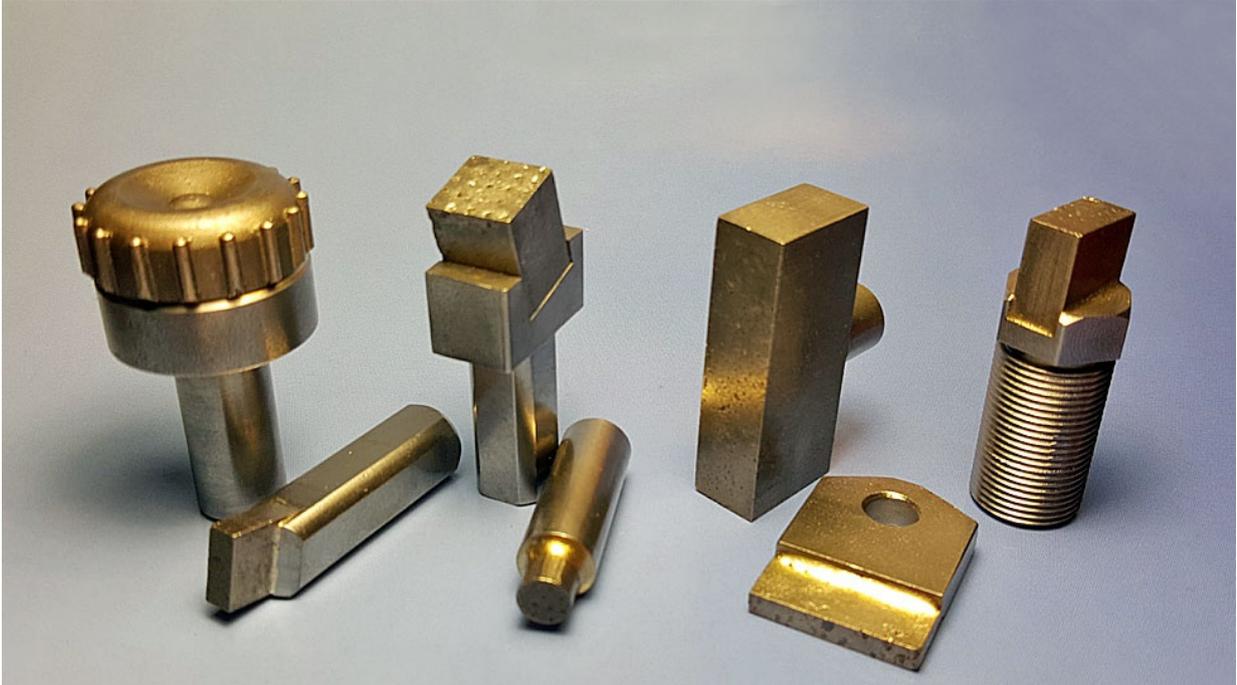
No minimum order quantity required

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Diamond Grit Impregnated Dressers for Centerless Grinding



We offer precision-engineered, hot-press matrix, standard and high performance impregnated Dressers that are made from crushed Diamond Grit available in natural and synthetic grades. We can produce all shapes and sizes in different bond hardness, Diamond concentrations, and Diamond grain sizes for true ingredients conventional, abrasive, and CBN wheels. With the use of our impregnated dressing tools, dressing time can be split drastically and your satisfaction is guaranteed! The diamond-impregnated tools can be designed to accommodate our clients' specifications.

Impregnated dressers are recommended for a great many dressing operations such as centerless and cylindrical grinding, surface grinding, straight-faces and some profile dressing, slotting, angular dressing and general purpose tool room applications.



BG-1EG Angular Impregnated Diamond Dresser

1 Even. block $5/32"$ x $1/4"$ x $3/8"$ set at 15 degree angle
 $7/16"$ diameter x $1-1/4"$ long shank.
 BG-1B8G7. 30/40 Mesh grit size.
 BG-1B6G7. 20/30 Mesh grit size



BG-12 KT Bison Blast Impregnated Diamond Dresser

1" diameter block x $3/8"$ high
 $7/16"$ diameter x 1" long shank
 BG-8KT. 16/18 Mesh grit size.
 BG-12KT 16/18 Mesh grit size



BG-2AD Centerless Impregnated Diamond Dresser

2A block 1/4" x 1/2" x 1/2" set at 0 degree angle
7/16" diameter x 3/4" long shank with four flats
BG-2A8D7. 30/40 Mesh grit size.
BG-2A6D7. 20/30 Mesh grit size
BG-2A4D7. 16/18 Mesh grit size



BG-2AE Centerless Grinding Impregnated Diamond Dresser

2A block 1/4" x 1/2" x 1/2" set at 15 degree angle
7/16" diameter x 3/4" long shank with four flats
BG-2A8E7. 30/40 Mesh grit size.
BG-2A6E7. 20/30 Mesh grit size
BG-2A4E7. 16/18 Mesh grit size



BG-1BD. Centerless Grinding Impregnated Diamond Dresser

1B block 1/4" x 1/2" x 1/2" with 15 degree on the top
set at 0 degree angle
7/16" diameter x 3/4" long shank with four flats
BG-1B8D7. 30/40 Mesh grit size.
BG-1B6D7. 20/30 Mesh grit size
BG-1B4D7. 16/18 Mesh grit size



BG-1AA. Centerless Grinding Impregnated Dresser

1A block 1/4" x 3/4" x 7/17" set at 0 degree angle
7/16" diameter x 15/16" long shank with four flats
BG-1A8A7. 30/40 Mesh grit size.
BG-1A6A7. 20/30 Mesh grit size
BG-1A4A7. 16/18 Mesh grit size



BG-1AC. Centerless Grinding Impregnated Dresser

1A block 1/4" x 3/4" x 7/16" set at 15. degree angle
7/16" diameter x 15/16" long shank with four flats
BG-1A8C7. 30/40 Mesh grit size.
BG-1A6C7. 20/30 Mesh grit size
BG-1A4C7. 16/18 Mesh grit size

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BG-2BA Centerless Impregnated Diamond Dresser

2B block 1/4" x 3/4" x 7/16" with 15 degree on the top set at 0 degree angle

7/16" diameter x 15/16" long shank with four flats

BG-2B8D7. 30/40 Mesh grit size.

BG-2B6D7. 20/30 Mesh grit size

BG-2B4D7. 16/18 Mesh grit size



BG-716. Centerless Grinding Impregnated Diamond Dresser

7/16" square block x 1/2" high set at 15 degree angle

7/16" diameter x 15/16" long shank with four flats

BG-716-8HP. 30/40 Mesh grit size.

BG-716-6HP. 20/30 Mesh grit size

BG-716-4HP. 16/18 Mesh grit size



BG-2RK. Impregnated Diamond Dresser

2R block 3/8" diameter x 1/2" high set at 0 degree angle

7/16" diameter x 1-3/16" long shank, 5/8" x 3/8" head

BG-2R8K7. 30/40 Mesh grit size.

BG-2R6K7. 20/30 Mesh grit size

BG-2R4K7. 16/18 Mesh grit size



BG-1RJ15 Impregnated Diamond Dresser

1R block 1/4" diameter x 3/8" high set at 15 degree angle

7/16" diameter x 1-1/4" long shank with four flats

BG-1R8J15. 30/40 Mesh grit size.

BG-1R6J15. 20/30 Mesh grit size



BG-1RJ. Impregnated Diamond Dresser

1R block 1/4" diameter x 3/8" high set at 15 degree angle

7/16" diameter x 1-1/4" long shank with four flats

BG-1R8J7. 30/40 Mesh grit size.

BG-1R6J7. 20/30 Mesh grit size

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BG-81. Slotting Impregnated Dresser

1/2" square x 1/16" thick block set at 15 degree angle
7/16" diameter x 1" long shank with four flats
BG-81-6 20/30 Mesh grit size



BG-3AF Impregnated Diamond Dresser

3A block 5/32" x 3/8" x 1/4" high set at 0 degree angle
7/16" diameter x 1-1/4" long shank with four flats
BG-3A8F7. 30/40 Mesh grit size.
BG-3A6F7. 20/30 Mesh grit size



SEO-15 Impregnated Diamond Dresser for Bering Ball Grinding

SEO-15-8. 30/40 Mesh grit size.
SEO-15-6. 20/30 Mesh grit size



BG-20. Impregnated Diamond Dressing Plate

Rectangle grit block 2mm x 10mm x 20mm set at 0 degree in metal
plate 5mm thick x 20mm wide x 28mm long
BG-2008. 30/40 Mesh grit size.
BG-2006. 20/30 Mesh grit size



BG-3R . Impregnated Diamond Dressing Tool

3R block 1/8" diameter x 1/8" high set at 0 degree angle
7/16" diameter x 1-1/4" long shank
BG-3R8M7. 30/40 Mesh grit size.

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BGT-1E6G7 Toyoda Angular Impregnated Diamond Dresser

1E block 5/32" x 1/4" x 3/8" set at 10 degree angle
7/16" diameter x 1-1/4" OAL shank.
BGT-1E8G7. 30/40 Mesh grit size.
BGT-1E6G7. 20/30 Mesh grit size



BG-4R Impregnated Diamond Dressing Tool

4R block 4mm diameter x 4mm high set at 0 degree angle
7/16" diameter x 1-1/4" long shank
BG-4R8M7. 30/40 Mesh grit size.
BG-4R8M6. 30/40 Mesh grit size 3/8" diameter x 1-1/4" shank



BD-2RB Impregnated Diamond Grit Bullet Dressers

BG-2R6B7 Mesh grit size 20/30, 7/16" diameter x 1-1/4" OAL shank.
BG-2R4B7 Mesh grit size 16/18, 7/16" diameter x 1-1/4" OAL shank.
Other shank available per customers requirement.



M2210 & M2220 Impregnated Diamond Dresser

M2210 8mm diameter block x 8mm high, set at 0 degree angle.
M2220 11mm diameter block x 11mm high set at 0. degree ang.
Number 1 Morse Taper shank x 40mm long
M2210-6 20/30 Mesh grit size
M2210-8 30/40 Mesh grit size
M2220-6 20/30 Mesh grit size



BG-3AG Impregnated Diamond Dresser

3A block 5/32" x 1/4" x 3/8" set at 15 degree angle
7/16" diameter x 1-1/4" long shank.
BG-3A8G7. 30/40 Mesh grit size.
BG-3A6G7. 20/30 Mesh grit size

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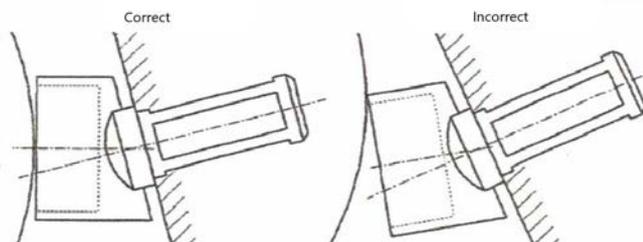
Plate Dressing Tools, Fliesen Tools



Our Grain Dressing Plates are the most versatile, cost-effective, dressers available for modern grinding technology. The highly classified, alternate-sized hand set Diamond grits are available in both natural and synthetic grades and are hot-pressed in Tungsten or Carbide matrix. Because of the narrow, effective edge, blade Dressers can deliver results that exceed those of single point Dressers. The angular pattern ensures constant contact between several diamonds and the grinding wheel, but worn at various times throughout the tool life.

Fliesen, Tips for Profiling

The fliesen should be mounted on the shank at the same angle as the machine holds the shank to the wheel. This positions the tool so the center of the plate touches. If the top or bottom of a new tool touches, you selected the wrong mounting angle. **DO NOT USE IT.** Please call us so we can assist you in selecting the proper tool.



Break in

1. Mount the tool as shown above.
2. Assure flow of coolant on fliesen plate through the lifespan of tool.
3. Take several passes, depending on the size and grade of the grinding wheel. For profiling we recommend several dressing passes at the normal infeed to avoid inconsistencies during use.

In the event of accident in which the tool loses its ability to dress your profile, an abbreviated break-in normally corrects the problem. By exposing a new layer of diamond restoring the fliesen to a new condition.



Twin Plate 20mm Wide Grain Dressing Blade Tool

Twin plate grain dressing last twice as long dresses twice as fast.

Plates 10mm x 20mm Mounted on the each side of the blade.6.3mm x 22mm x 19mm blade is set at 0 degree angle

in to 7/16" diameter x 1" with four flats shank.Wheel grit size suggest:

Part Code, Wheel grit size

BT-259. 50-60

BT-411. 80-100



Straight and Profile 13mm Wide Grain Dressing Plate

Straight and profile dressing small wheels: Handset Natural Diamond Grains.

Center Mounted 10 mm wide X 12mm depth W Tungsten hot-pressed bond.

5mm x 13mm x 19mm blade set at 15 degree angle.7/16" diameter x 1' long with four flats shank.

Suggestion for Wheel grit size:

Part Code. Wheel grit size

BT-434. 30-40/ BT-234. 50-60/ BT-183. 80-100



Okamoto Straight and Profile 20mm Wide Grain Dressing Plate

Straight and profile dressing large hard wide wheels. 10 mm depth x 20 mm wide hand set Grains.

W Tungsten hot-pressed bond. Center mounted plate is set into 5mm x 22mm x 13mm blade is set at 0 degree angle

12mm diameter x 20mm long with 120 degree mounting groove. Suggestions for Wheel grit size.

Part Code, Wheel grit size

OKA-424 30-40

OKA-423 50-60

OKA-422. 80-100



Straight and Profile 13mm Wide Grain Dressing Plate

Straight and profile dressing small wheels: Handset Natural Diamond Grains.

Centre Mounted 10 mm wide X 12mm depth grain plate, W Tungsten hot-pressed bond.

5mm thick x 13mm wide x 28mm long blade with 6.3mm mounting whole. Suggestion for Wheel grit size:

Part Code. Wheel grit size

BTB-246. 30-40

BTB-245. 50-60

BTB-244. 80-100



Straight & Profile Dresser 13mm Wide Grain Plate Dressing Tool

Straight and profile dressing small wheels: Handset Natural Diamond Grains.

Centre Mounted 10 mm wide X 12mm depth W Tungsten hot-pressed bond.

Blade set at 0 degree. 7/16" diameter x 1" long with four flats shank.

Suggestion for Wheel grit size:

Part Code. Wheel grit size

BT-420. 30-40

BT-419. 50-60

BT-290. 80-100



Straight and Profile 20mm Wide Center Mounted Grain Dressing

Straight and Profile dressing large hard wide wheels.

10 mm depth x 20 mm wide hand set Grains. W Tungsten hot-pressed bond. Center mounted blade
Blade is set at 0 degree into 7/16" diameter x 1" long shank. Suggestions for Wheel grit size:

Part Code. Wheel grit size.

BT-424. 30-40

BT-423. 50-60

BT-422. 80-100



Toyoda Straight & Profile Dresser 13mm Wide Grain Plate

Straight and profile dressing small wheels: Handset Natural Diamond Grains.

Centre Mounted 10 mm wide X 12mm depth W Tungsten hot-pressed bond.

Blade is set at 10 degree angle .0.437" diammmeter x 0.650" long shank with four flats.

Suggestion for Wheel grit size:

Part Code. Wheel grit size

BTT-527. 50-60

BTT-488. 80-100



Straight and Profile 20mm Wide Center Mounted Grain Dressing

Straight and Profile dressing large hard wide wheels. 10 mm depth x 20 mm wide hand set Grains.

W Tungsten hot-pressed bond. Center mounted plate Blade is set at 15 degree. angle.

Suggestions for Wheel grit size:

Part Code. Wheel grit size.

BT-437 30-40

BT-436 50-60

BT-251 80-100



Diamond Tipped Right 10mm Wide Grain Plate Dressing Tool

Straight and profile dressing small wheels: Handset Natural Diamond Grains.

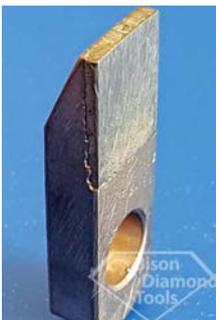
Side Mounted 10 mm wide X 12mm depth grain plate. W Tungsten hot-pressed bond.

Blade is set tipped right at 15 degree angle . 7/16" diameter x 1" long with four flats shank.

Suggestion for Wheel grit size:

Part Code. Wheel grit size

BT-33-15. 80-100



Step and Profile 10.5mm Wide 28mm Long Dressing Grain

Suggest for step straight and profile dressing wheels up to 12" diameter and 2" .

Handset Natural Diamond Grains. Side Mounted 10 mm wide X 12mm depth grain plate.

W Tungsten hot-pressed bond. Mounted in the 5mm thick x 10.5mm wide x 28mm long blade. 6.3mm mounting hole.

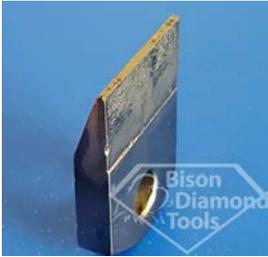
Suggestion for Wheel grit size:

Part Code. Wheel grit size

BT-33. 80-100

BT-35. 50-60

BT-37. 35-50



Step and Profile 20mm Wide Dressing Grain Diamond Plate

Form or step dressing suggest for 16" and over diameter wide wheels. 20 mm x 10mm hand set grains.

W Tungsten hot-pressed bond. Side mounted plate is set to 5mm x 20mm x 28mm long blade with 6.3mm mounting whole. Suggestions for

Wheel grit size:

Part Code. Wheel grit size.

BT-23 80-100/ BT-25. 60-80 /BT-27. 35-50



Kellenberger Step & Profile 10.5mm Wide Dressing Grain Diamond

Kellenberger form or step dressing suggest for 12" diameter 2"width wheels. 10 mm x 12mm hand set grains.

W Tungsten hot-pressed bond.

Side mounted plate is set to 5mm x 10,5mm x 19mm blade and set at 0 degree angle in to 3/8" diameter x 1-3/4 OAL long shank.

Suggestions for Wheel grit size:Part Code. Wheel grit size.

BTK-33 80-100/ BTK-35. 60-80/ BTK-37. 35-50



Toyota Step Straight & Profile 10.5mm Wide Dressing Grain

Toyota form or step dressing suggest for 12" diameter 2"width wheels. 10 mm x 12mm hand set grains. W Tungsten hot-pressed bond.

Side mounted plate is set to 5mm x 10.5mm x 19mm blade and set at 10 degree angle in to 0.437 diameter x 0.650 long shank.

Suggestions for Wheel grit size:Part Code. Wheel grit size.

BTT-33 80-100/ BTT-35. 60-80/ BTT-37. 35-50



Twin Plate 20mm Wide Grain Dressing Blade Tool

Twin plate grain dressing last twice as long dresses twice as fast.

Plates 10mm x 20mm Mounted on the each side of the blade.

6,3mm x 22mm x 19mm blade is set at 15 degree angle in 7/16" diameter x 1" with four flats shank.

Wheel grit size suggest:

Part Code, Wheel grit size: BTS-261. 50-60/ BTS-441. 80-100

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MCD & CVD Synthetic Diamond Dressing Plates



Our unique variety of MCD-CVD Diamond Dressing blades are fully synthetic tools used on grinding wheels for straight-faces or profiling dressing. These durable blades are manufactured using only the highest grade metal alloys to ensure our customers satisfaction. With superior thermal conductivity, our MCD-CVD dresses efficiently dissipate heat from the contact points and deliver a dependable consistency and repeatability factor.

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade. MCD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius. Included 40 degree angle on the side of the blade.



BTT-38 Toyota MCD-CVD 3 Log Profile and straight Dressing Tool

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade.

MCD logs 0.8mm x 0.8mm x 5mm equally-spaced

set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius.

Included 40 degree angle on the side of the blade.

The blade is set down at 10 degree angle.

0.437" diameter x 0.650" long with four flats shank.

Relap is available: BTT-38-10, 0.25mm (0.010") Radius./ BTT-38-20, 0.5mm (0.020") Radius.



BTB-38 MCD-CVD Three Log Profile & Straight Dressing Blade

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide x 30mm long dressing blade.

MCD-CVD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius. Included 40 degree angle on the side of the blade, 6.3mm mounting hole.

BTB-38-10, 0.25mm (0.010") Radius.

BTB-38-20, 0.5mm (0.020") Radius.



BSH-36 MCD 3 Log Shigiya Straight and Profile Dressing Tool

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade. MCD logs 0.6mm x 0.6mm x 5mm equally-spaced set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius. Blade is set down at 5 degree angle.

Included 40 degree angle on the side of blade.

8mm diameter x 17mm long shank.



BTB-5MT MCD 3 Log Profile and Straight Dressing Blade Tool

Inserts are arranged at 45 degrees into the 5mm thick X 10.5 mm wide x 25 mm long dressing blade.

MCD-CVD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with flat top.

Included 40 degree angle on the side of the blade.

6.3mm mounting hole



BTN-481 Needle Synthetic Diamond Dressing Plate

Inserts are arranged parallel into the 5mm thick X 13mm wide x 28 mm long dressing blade. MCD-CVD logs 0.4mm x 0.8mm x 5mm equally-spaced set on centre with flat top.

Included 40 degree angle on the side of the blade.

6.3mm mounting hole.



BTM-46S. Synthetic Diamond Dressing Tool

Four inserts are arranged at 45 degrees into the 5mm thick X 10mm wide x 19mm long dressing blade. MCD-CVD logs 0.6mm x 0.6mm x 5mm equally-spaced set on centre with flat top.

Included 40 degree angle on the side of the blade.

Blade is set at the 15 degree angle in to 7/16" diameter x 1" long shank with four flats.



BTM-48 Synthetic Diamond Dressing Plate

Four inserts at 45° into 5mm thick X10mm wide X19mm long dressing blade.

MCD-CVD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with flat top.

Included 40° angle on the side of the blade. Blade is set at 15° angle in to 7/16" diameter x 1" long

shank with four flats. Inserts are arranged at 45° into the 5mm thick X 10mm wide x 19mm long

dressing blade. MCD-CVD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with flat top.

Included 40° angle on the side of the blade. Blade is set at the 0° angle in the 7/16" diameter x 1"

long shank with four flats



BTM-38-15 Three Log Straight and Profile Dressing Plate

Three inserts are arranged at 45 degrees into the 5mm thick X 10mm wide x 19mm long dressing blade. MCD-CVD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with flat top.

Included 40 degree angle on the side of the blade.

Blade is set at the 15 degree angle in to 7/16" diameter x 1" long shank with four flats.



BTM-56 Five Logs CVD Dresser

Five logs 0.6mm square x 5mm long blade tool recommend for dressing larger diameter grinding wheels 80-100 grit.

Diamond blade is set down @ 15 degree angle in to 7/16" diameter x 1-1/4" long shank with four flats.



BTK-38 Kellenberger MCD&CVD Profile & Straight Dressing Blade

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade.

MCD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with 0.25mm (0.010") - 0.5mm (0.020") lapped radius. Included 40 degree angle on the side of the blade.

The blade is set down at 0 degree angle. 0.375" diameter x 1.0" long with one flat shank.

Relap is available BTK-38-10. 0.25mm (0.010") Radius/ BTK-38-20. 0.5mm (0.020") Radius.

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Chisel-Type Diamond Tools with Synthetical Diamond Blanks



These accurate profile tools have one log set on center and has either a 0.250mm or 0.5mm lapped radius with tables top and bottom for dressing shapes and contours into grinding wheels. Log size are 1.2mm x 3mm x 4mm. Radii, angles, shanks/holders can be manufactured to customers specifications. Those tools are serviceable and we offer a full re-lap/ regrind service.

Synthetic Diamond Insert 1.2mm x 3mm x 4mm is set on the centre with 0.25mm (0.010") - 0.5mm (0.020") lapped radius with 55 degree included angle.



MCS-55. Studer Profile Dresser - MCD Chisel Diamond Dressing Tool

Number 1 Morse Taper 20mm long shank.

MCS-5510 0.25mm (0.010") Radius

MCS-5520 0.5mm (0.020") Radius



MCO-55 Okuma Profile Dresser MCD. Chisel Diamond Dresser

MCO-5510 0,010" Radius.

MCO-5520 0,020" Radius



CHD. Diaform Type Chisel Diamond Dresser for Profiling

Synthetic Diamond Insert 2mm x 3mm x 4mm is set on the centre into Diaform Type Shank 3/8" diameter x 1-3/4" OAL. with 0.25mm (0.010") - 0.5mm (0.020") lapped radius with 40 degree included angle

CHD-4010. 0.25mm (0.010") radius

CHD-4020. 0.5mm (0.020") radius



CHB Chisel Synthetic Diamond Profile Dressing Blade Tool

Synthetic Diamond Insert 2mm x 3mm x 4mm is set on the centre into rectangle blade 5mm thick x 10mm width x 30mm long with 0.25mm (0.010") - 0.5mm (0.020") lapped radius with 40 degree included angle and 6mm mounting whole.

CHB-4010. .25mm (0.010") Radius

CHB-4020. 0.5mm (0.020") Radius



MCT Toyota Profile Dresser MCD Chisel Dresser

MCT-5510 0.25mm (0.010") Radius

MCT-5520 0.5mm (0.020") Radius

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CVD SINGLE Point Wheel Dresser



With the consistent characteristics like size and shape of synthetic diamond logs, the trend is growing to decrease variation in quality. The constant cross section provided by the synthetic diamond guarantees the same level of tension during the usage of the dressing tools.



BTM-461 Single point CVD dresser.

Single point one log 0.6mm square x 5mm long CVD dresser recommend for small diameter I.D grinding wheels.
Set in to #1 Morse tapers shank



BTM-481. Single point CVD dresser.

One log 0.8mm square x 5mm long CVD dressing tool, 7/16" diameter x 1-1/2" OAI shank



BTB-48 Single point CVD dresser

One Log CVD dresser 0.8mm square x 5mm long log set in to 5mm thick x 10mm width x 30mm long blade with the 6.3mm mounting whole

BTB-4810. 0.010" lapped radius

BTB-4820. 0.020" lapped radius



BTM-1241 Single point CVD dresser

One log 1.2mm square x 5mm long CVD dressing tool ,
7/16" diameter x 1-1/4" OAL shank

If you have any questions regarding our products or your order, please call,
TOLL-FREE: 866-361-1756 or 973-492-0105, send an e-mail: bisondiamond@yahoo.com, or
visit us at bisondiamondtools.com

Single Layer Clusters



Our Clusters are to use instead of large karat weight single point tools for straight-face dressing wide-faced wheels on centerless and Cylindrical grinders. Shank/holders manufactured to customers specifications.



Centerless Grinding Tool - Bison Perma-Blast

A heavy duty, Single-layer tool designed for straight-faces dressing on large, coarse-grit grinding wheels. Forty-eight diamonds set on the face at a 15 degree angle. 7/16" x 1" shank.



BHC-3S. Three Stones Single Layer Clusters

Heavy duty single layer blade Clusters to use instead of large karat weight single point tools for straight-face dressing wide-faced wheels on centerless and cylindrical grinders.

BHC-3S. 3 Stones set at 0 degree.

BHC-3-10. 3 Stones set down at 10 degree angle.

BHC-3-15. 3 Stones set down at 15 degree angle.



BHC-5-10. Toyota 5 Stones Single Layer Cluster

Toyota Heavy duty single layer blade Clusters to use instead of large karat weight single point tools for straight-face dressing wide-faced wheels on centerless grinding machines.

5 stones blade is set @ 10 degree angle in to 7/16" diameter x 1-1/4" OAL shank

BHC-5-10

Studer Grinders



Studer compatible dresser tools



BGS-1E. Studer Angular Impregnated Diamond Dressing Tool

1E. block 5/32" x 1/4" x 3/8" set at 0 degree angle

In to #1 Morse taper shank

BGS-1E8F. 30/40 Mesh grit size.

BGS-1E6F. 20/30 Mesh grit size



BTS-420. Studer Straight & Profile Dresser - Grain Plate Dressing Tool

Straight and profile dressing small wheels: Handset Natural Diamond Grains. Center Mounted

10 mm wide X 12mm depth grain plate.

W Tungsten hot-pressed bond.5mm x13mm x 19mm blade is set at

0 degree angle. Number 1 Morse Taper 20 mm long shank.

Suggestion for Wheel grit size:

Part Code. Wheel grit size: BTS-420. 30-40/ BTS-419. 50-60/ BTS-290. 80-100



BTM-38. Studer MCD-CVD 3 Log Profile & Straight Dressing Tool

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade. MCD logs

0.8mm x 0.8mm x 5mm equally-spaced set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius. Included 40 degree angle on the side of the blade.

Number 1 Morse Taper 20mm long shank.

BTM-38-10. 0.25mm (0.010") Radius.

BTM-38-20. 0.5mm (0.020") Radius.



BTS-27. Studer Step Dresser - Side Mounted Grain Dressing Tool

Form or step dressing large hard wide wheels. 10 mm depth x 20 mm wide hand set grains.

W Tungsten hot-pressed bond.

Side mounted plate is set to 5mm x 22mm x 19mm blade and set at 0 degree angle.

Number 1 Morse Taper 20mm long shank.

Suggestions for Wheel grit size:

Part Code. Wheel grit size: BTS-27 30-40/ BTS-25. 50-60/ BTS-23. 80-100



Studer 10.5mm Wide Step and Profile Dressing Grain Diamond

Form or step dressing suggest for 12" diameter 2" width wheels. 10 mm x 12mm hand set grains.

W Tungsten hot-pressed bond.

Side mounted plate is set to 5mm x 10.5mm x 19mm blade and set at 0 degree angle. Studer

Number 1 Morse Taper 20mm long shank.

Suggestions for Wheel grit size:

Part Code. Wheel grit size.

BTS-33 80-100/ BTS-35. 60-80/ BTS-37. 35-50



BCS Studer Cone-Point CVD 1/2 Carat Precision Dresser

Studer cone point CVD 1/2 Carat number one Morse 19mm long tapers shank. Precision dresser is

accurately coned to the specified included angle and radius. These tools are used for precision

dressing when the most intricate form and radii are required. 60 degree angle 0.010" radius

Part code:

BCS-6010 BCS-7520

BCS-6020 BCS-7510

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visit us at bisondiamondtools.com

Okuma Grinders



Okuma compatible dresser tools



BTO-27. Okuma Step Dresser-Side Mounted Grain Dressing Tool

Form or step dressing large hard wide wheels.

10 mm depth x 20 mm wide hand set Grains. Side mounted plate is set to 5mm x 22mm x 19mm blade and set down 5 degree angle into 11mm Okuma shank.

W Tungsten hot-pressed bond.

Suggestions for Wheel grit size.

Part Code, Wheel grit size: BTO-27. 30-40/ BTO-25. 50-60 /BTO-23. 80-60



BTO-38. Okuma MCD-CVD Three Log Profile & Straight Dressing

Inserts are arranged at 45 degrees into the 5mm thick X 10 mm wide dressing blade. MCD logs 0.8mm x 0.8mm x 5mm equally-spaced set on centre with 0.2mm (0.008") - 0.5mm (0.020") lapped radius. Included 40 degree angle on the side of blade. Number 1 Morse Taper 20mm long shank.

BTO-38-10. 0.25mm (0.010") Radius.

BTO-38-20. 0.5mm (0.020") Radius



BCO Okuma Cone-Point CVD 1/2 Carat Precision Dresser

Okuma cone point CVD 1/2 Carat 11mm diameter 40mm OAL shank. Precision dresser is accurately coned to the specified included angle and radius. These tools are used for precision dressing when the most intricate form and radii are required.

BCO-6010 60 degree angle 0.010" radius

BCO-6020

DIAMOND GRIT Tools for Trueing CBN Grinding Wheels



We offer precision-engineered, hot-press matrix, standard and high performance impregnated Dressers that are made from crushed Natural Diamond 100-120 grit. We can produce all shapes and sizes in different bond hardness, Diamond concentrations, and Diamond grain sizes for trueing CBN wheels. With the use of our impregnated dressing tools, dressing time can be split drastically and your satisfaction is guaranteed! The diamond-impregnated tools can be designed to accommodate our clients' specifications.



BGC-2R Diamond Grit Tools for trueing CBN grinding wheels
Diamond Grit Tools for trueing CBN grinding wheels



BGC-1R Diamond Grit Tools for trueing CBN grinding wheels
Impregnated Diamond 100/120 Grit Tools for trueing CBN grinding wheels
BGC-1R14J7. 1/4" diameter x 1/4" high diamond nib
7/16" x 1-1/2" with one flat shank.

If you have any questions regarding our products or your order, please call, TOLL-FREE: 866-361-1756 or 973-492-0105, send an e-mail: bisondiamond@yahoo.com, or visit us at bisondiamondtools.com

Customer Order Dressers



If you did not find a dressing tool to fit your needs, we can create a dresser based on the dimensions and specs of the dresser. Customer order dressers per order. Please contact our email or phone number for further details.

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