

SHAVIV USA
by **Vargus**
Leading Deburring Solutions

vargus
NEUMO Ehrenberg Group

NEW

SHAVIV
GENIUS™
Hand Deburring
Tool Selector
www.shaviv-genius.com

The **Finishing**
Touch



www.shavivusa.com

SHAVIV by VARGUS

VARGUS Ltd., established in 1960, is a world leading developer, manufacturer and supplier of cutting and finishing tools to the metalworking and plastics industries. VARGUS is a member of the NEUMO Ehrenberg Group, a diversified multi-national organization headquartered in Germany. Our international manufacturing and marketing operations serve customers in more than 100 countries around the globe specializing in three major product lines: SHAVIV hand-deburring tools, VARDEX thread turning and thread milling tools, and GROOVEX groove turning and groove milling tools.



See it in action

The Complete Range of Deburring Solutions with SHAVIV's Ergonomic Handles

mango II Long-Reach

The most recommended handle for comfort and control in deburring

Mango II - Works with all SHAVIV blade holders.

Simple holder mechanism. Comfortable, ergonomic handle for standard-sized hands.



Mango II Handle EDP No.: 90055

mango II B/E Extra-Close

The most recommended handle for comfort and control in deburring

Mango II B/E - Works with all B or E blades.

Permanent safety locks for simple blade replacement. Comfortable, ergonomic handle for standard-sized hands.



B10

Mango II B Handle EDP No.: 90053



E100

Mango II E Handle EDP No.: 90054

mango Click Extra-Close

Mango Click E

Mango Click - Deburring has never been so easy!

Works with all E blades. Easy-to-use, comfortable and durable.

Best suited for larger-sized hands.



E100

Mango Click E Handle EDP No.: 29201

Classic Handle A

The classic universal handle. Accepts all Shaviv blade holders. To store spare blades inside handle, simply unscrew the back cap.



EDP No.: 29054

Handle A (Aluminum)

Classic universal handle heavy-duty aluminum version. Accepts all Shaviv blade holders.



EDP No.: 29055

Handle 1

Non-telescopic handle, excellent for heavy-duty deburring tasks. All E-series blades fit directly into handle.



EDP No.: 29056

HandyChuck Pin Vise

Holds small files, drills, reamers, taps, mold polishing stones, wires, countersinks, etc. Grips objects with 1 mm (0.04") to 8 mm (0.32") diameter. Can be used with C50 & C60 scrapers. Useful for repairing and assembling watches, electrical appliances & miniature electronic equipment.



EDP No.: 29057

mango II Long Reach Sets



Mango IIB Extra-Close



Mango IIE Extra-Close



Mango II Long-Reach

The **Finishing Touch**

The most recommended handle for comfort and control in deburring

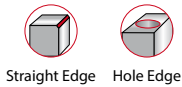
- Works with all SHAVIV holders (see page 17)
- Simple holder mechanism
- Comfortable, ergonomic handle for standard-sized hands



Mango II Handle for long reach EDP No.: 90055

Mango II Set B The Workhorse

Popular set for holes, slots & edges. B holder supports all B blades which can be inserted axially or perpendicular to the holder.



Straight Edge Hole Edge

Set Name	Handle	Holder	Blades	EDP No.
Mango II Set B	Mango II	B	B10,B20	90056

Mango II Set E Heavy DeBurr

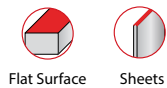
Rugged deburring set for heavy-duty deburring of holes, slots and edges. E holder supports all E blades.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set E	Mango II	E	E100,E200, E300	90065

Mango II Set D The Sheet Cleaner

Perfect for sheet metal up to 0.12" thick (3 mm). Blade deburrs both sides of sheet in one pass. Blade also functions as a surface cleaner.



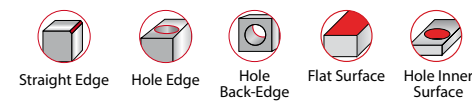
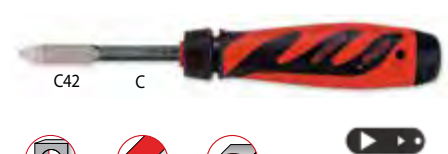
Flat Surface Sheets

For added safety, use with Handguard.
Ordering No.: 29093

Set Name	Handle	Holder	Blades	EDP No.
Mango II Set D	Mango II	D	D80C	90064
Shaviv Set D	Classic	D	D80C	29068

Mango II Set C The Scraper

Features triangular blade with 3 cutting edges for high quality finishing & scraping. The telescopic blade holder lets you get to difficult-to-reach areas. Includes key for safely removing blades.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set C	Mango II	C	C42	90062

Mango II Set FR Ratchet-Burr for ID

Features FR ratchet holder, ideal for rotational chamfering, even when work-space is limited. Inside diameter (ID) up to 0.79" (20mm).



Hole Edge

Set Name	Handle	Holder	Blades	EDP No.
Mango II Set FR	Mango II	FR	F20	90072
Shaviv Set FR	Classic	FR	F20	29071
Aluminum Set FR	Aluminum	FR	F20	29265

Mango II Set F The Countersink

Powerful tool, excellent for chamfering and countersinking. Use for hole-edge applications with up to 0.79" (20mm) diameter.



Hole Edge

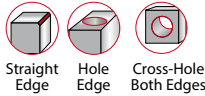
Set Name	Handle	Holder	Blades	EDP No.
Mango II Set F	Mango II	F	F20	90071
Shaviv Set F	Classic	F	F20	29070
Aluminum Set F	Aluminum	F	F20	29264

mango II Long Reach and Specialty Sets



Mango II Set M* The 2 in 1

Deburs holes, slots & edges. Holder M supports both B and E blades.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set M	Mango II	M	B10, B20, B30, E100, E111, E200	90094
Shaviv Set M	Classic	M	B10, B20, B30, E100, E111, E200	29178

Mango II Set U

Precision Scraper contains 3 mini-scraper blades and specially designed holder for extra precision work for linear movement. Ideal for die makers.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set U	Mango II	U	U1 (BUS1) U31 (BUS31) U4 (BUS4)	90100
Shaviv Set U	Classic	U	U1 (BUS1) U31 (BUS31) U4 (BUS4)	29119

Mango II Set G Slot Edge Cleaner

Ideal for deburring and cleaning edges of internal & external keyways and slots up to 0.6" (15 mm) wide. Blade features 8 cutting edges.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set G	Mango II	G	G10	90074
Shaviv Set G	Classic	G	G10	29072



Mango II Set L

External Curved-Edge Cleaner

Tool set for the deburring of external curved edges, for pipes and tubes.



Set Name	Handle	Holder	Blades	EDP No.
Mango II Set L	Mango II	L	L10	90101
Shaviv ExcaliBurr Set L	Classic	L	L10	29076

Mango II Set Burr-Ex Ratchet-Burr for OD

Features FR ratchet holder, ideal for rotational chamfering, even when workspace is limited. For Outer Diameter (OD) chamfering up to 1" (26 mm).



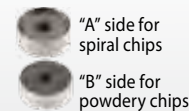
Set Name	Handle	Holder	Blades	EDP No.
Mango II Set Burr-Ex	Mango II	FR	F26X	90073
Shaviv Set Burr-Ex	Classic	FR	F26X	29146
Aluminum Set Burr-Ex	Aluminum	FR	F26X	29266

Mango II Set Burr-Bi* Heavy-Duty Sheet Cleaner

For heavy-duty deburring of materials with single or double straight edges up to 0.56" (14 mm) thick. Holder can take two R10, R20 or R30 blades for arc-shaped finishes on workpieces up to 0.63" (16 mm) thick. Handguard attached for worker safety.



R10



Set Name	Handle	Holder	Blades	Key	EDP No.
Mango II Set Burr-Bi	Mango II	BR	R10 x 2	BR	90095
Shaviv Set Burr-Bi	Classic	BR	R10 x 2	BR	29140

mango II Extra Close Sets and Bonus Packs

The most recommended handle for comfort and control in deburring

- Works with all B and E blades
- Permanent adapters for simple blade replacement
- Comfortable, ergonomic handle for standard-sized hands



Mango IIB Handle 90053

Mango IIE Handle 90054

Mango IIB Sets For multi-purpose B blades



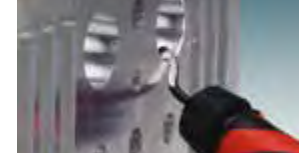
All sets contain the Mango IIE extra-close handle and a variety of blades for deburring materials with spiral or powdery chips.

Deburrs Steel, Aluminum, Copper, Brass, Cast Iron and Plastics.



Straight Edge

Hole Edge



Mango IIE Sets For heavy-duty E blades

Mango IIB+1



B10

Mango IIB+2



B20

B10

Mango IIB+4



B20

B25

B11

B10

Mango IIE+1



E100

Mango IIE+3



E300

E200

E100

Mango IIE+5



E300

E200

E100

E111

E120

Set Name	Handle	Blades	EDP No.
Mango IIB + 1	Mango IIB	B10	90058
Mango IIB + 2	Mango IIB	B10, B20	90060
Mango IIB + 4	Mango IIB	B10, B11, B20, B25	90061

Set Name	Handle	Blades	EDP No.
Mango IIE + 1	Mango IIE	E100	90066
Mango IIE + 3	Mango IIE	E100, E200, E300	90068
Mango IIE + 5	Mango IIE	E100, E111, E120, E200, E300	90070

For Extra-Close Work

Each Bonus Pack includes 10 blades and a **FREE** Mango II B/E handle. Available with HSS or Cobalt B10 or E100 blades

For Long-Reach Work

Each Bonus Pack includes 10 blades + holder, and a **FREE** Mango II handle. Available with HSS or Cobalt B10 or E100 blades



FREE Handle

HSS 10 X B10
HSS 10 X E100
Cobalt 10 X B10
Cobalt 10 X E100

- Bonus Packs feature plastic 10-pack packaging for easy storage and removal
- Cobalt blades excellent for longer blade life - and great on high end material such as stainless steel



EDP No.	Bonus Pack
29249	10 x B10 (HSS)
29250	10 x E100 (HSS)
29255	10 x B10S (Cobalt)
29251	10 x E100S (Cobalt)

EDP No.	Bonus Pack
29252	10 x B10 (HSS) + Holder B
29253	10 x E100 (HSS) + Holder E
29256	10 x B10S (Cobalt) + Holder B
29254	10 x E100S (Cobalt) + Holder E

New Products

Premium Kits

Premium Kits contain the most popular tools sets and blades which provide focused solutions for the most frequently used applications. 7 types now available!

- Each kit designed for specific application types
- Convenient packaging for storing tools

Deburring & Scraping

Standard Duty



Contains: Mango II Handle, Holder B, Holder C, B10, B11, B20, B30, B60, B70, C40, C Key
90105

Deburring & Scraping

Heavy Duty



Contains: Mango II Handle, Holder E, Holder C, C42, E100P, E111, E200, E300, E600, E700, C Key
90106

Deburring & Deflashing



Contains: Mango II Handle, Holder B, Holder E, B10, B11, B25, E111, E250, E400, E707 and Cera Burr Ceramic Blade Tool
29263

Deburring & Chamfering



Contains: Mango II Handle, Holder E, Holder F, E100S, E111, E200, E300, E601, F20, F26X
90107

Filing & Deburring



Contains: MB2020E Handle, 5 different shaped diamond coated files, E100S, E400
90109

Deburring & Sheet Cleaning



Contains: Mango II Handle, Holder D, Holder E, D80C, D82C, E100, E111, E200, E300, E700
90108

TiN Coated

For Exotic Materials

Contains:
B Blades: B10P, B11P, B20P, B30P
E Blades: E100P, E111P, E200P, E300P
B & E Holders
Aluminum Handle
29272



AEROBURR Set

Deburring Sets for the Aviation / Aerospace / Medical Industries

Standard Duty Applications

Set B11P



Mango II Handle
Holder B
5 X B11P (coated) blades
90110

Heavy Duty Applications

Set E111P



Mango II Handle
Holder E
5 X E111P (coated) blades
90111



- Customized for the unique applications required by the aerospace industries, excellent for electronic and medical applications
- Designed to deburr curves and small holes as small as 1/16" (1.5 mm)
- Blades are TiN (Titanium Nitride) coated to face the challenges of deburring various materials such as steel, aluminum, copper, stainless steel, and plastics
- TiN coated blades provide significantly increased tool life over standard non-coated blades
- Great for other applications such as dies, molds, automotive and R&D

Products



Shaviv Golden Flex Sets

Golden Flex Set B

For Standard Deburring

Contains:

- Aluminum Handle
- Blade Holder B
- 5 Different Pairs of TiN Coated Multi-purpose B Blades: B10Px2, B11Px2, B12Px2, B20Px2, B30Px2



29280

Golden Flex Set E

For Heavy Duty Deburring

Contains:

- Aluminum Handle
- Blade Holder E
- 5 Different Pairs of TiN Coated Multi-purpose E Blades: E100Px2, E110Px2, E111Px2, E200Px2, E300Px2



29281

Countersink Kits

The ultimate kits for chamfering and deburring work pieces!
Use countersinks with 1/4" bit holder handle or any power tool.
Countersink flute angles are 90°.

Each kit includes 3 different-sized solid HSS countersinks to chamfer a wide range of holes and materials.

FREE deburring Finishing Bit included!



90097



90098



Tri-Flute Chamfering Kit

Tool	For holes up to Ø mm	For holes up to Ø in
FC20	20mm	13/16"
FC16	16mm	5/8"
FC12	12mm	1/2"
FREE	Finishing Bit with B12 blade	



Zero Flute Chamfering Kit

Tool	Hole Range Ø mm	Hole Range Ø in
FD20	7-20mm	9/32"-13/16"
FD13	5-13mm	3/16"-1/2"
FD08	2-8mm	5/64"-5/16"
FREE	Finishing Bit with B12 blade	

New Individual Tri-Flute Countersinks

Shaviv's popular Tri-Flute Countersinks can now be purchased separately!



FC20 29278

FC16 29276

FC12 29277

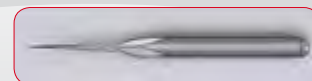


Shaviv's Tri-Flute Countersinks can be used with either the 1/4" BIT HOLDER handle (90115) or any power tool.

Rotary Scraper Series For High Precision Work

- Triangular rotary scrapers specially designed for high precision and accurate work
- Suitable for air tools with high RPM
- Made from top quality HSS, strong yet flexible
- Excellent for a variety of raw materials such as metals, ceramics, and plastics
- Used in the aviation, electronics, jewelry, molding and other industries

Blade	Shank Diameter	Tip Angle	EDP No.
C81-3	3.0 mm	5°	29267
C82-3	3.0 mm	10°	29268



mango Click n' Go



Deburring has never been so easy!

- Works with E blades, just Click n' Go!
- Easy-to-use, comfortable and durable
- Best suited for larger-sized hands



Mango Click Handle E 29201

Mango Click + 12 E100



mango
Click n' Go



FREE Handle

29229

Simple-to-use handle, just Click n' Go! Designed for larger hands.

Mango Click Set E5



Set Name	Handle	Blades	EDP No.
Mango Click Set E5	Mango Click E	E100, E111, E120, E200, E300	90077

Mango Click Set E3



Set Name	Handle	Blades	EDP No.
Mango Click Set E3	Mango Click E	E100, E200, E300	90076

Set Finishing Bit Patented

Convenient finishing tool combines screwdriver bit holder and deburring bit



Type D
Drive: 1/4" hexagon
DIN 3126-C6, 3
ISO 1173

Finishing Bit Set: 1 Screwdriver bit holder
1 finishing-bit



Set Name	Handle	Blades	EDP No.
Set Finishing Bit	Screwdriver Bit Holder Handle	Finishing Bit	90049

Finishing Bit 4 Pack

A new generation finishing tool deburring bit

- Bit with deburring blade
- Fits in 1/4" bit holder
- Type D
Drive: 1/4" hexagon
DIN 3126-C6, 3, ISO 1173



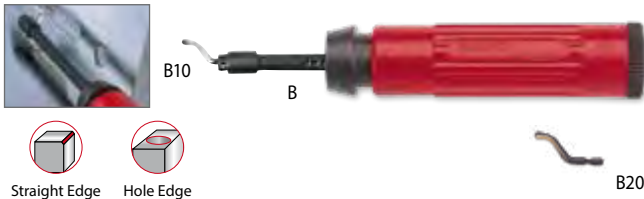
Set Name	Blades	EDP No.
Finishing Bit 4 Pack	4 Finishing Bits	90050

Classic Sets



Shaviv Set B* The Workhorse

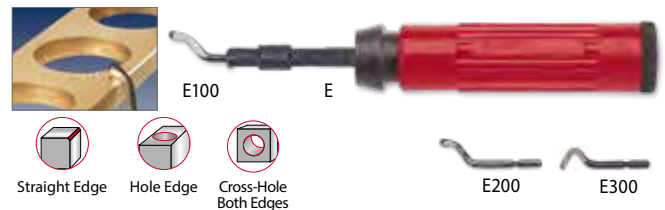
Popular set for holes, slots & edges.
B holder supports all B blades which can be inserted axially or perpendicular to the holder.



Set Name	Handle	Holder	Blades	EDP No.
Shaviv Set B	Classic Handle A	B	B10, B20	29065

Shaviv Set E* Heavy DeBurr

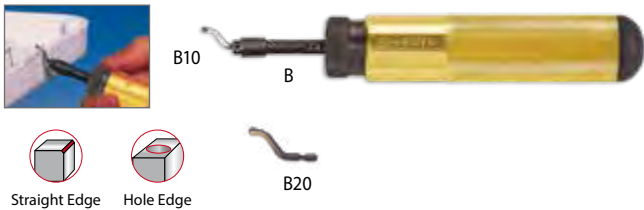
Rugged deburring set for heavy-duty deburring of holes, slots and edges.
E Holder supports all E blades.



Set Name	Handle	Holder	Blades	EDP No.
Shaviv Set E	Classic Handle A	E	E100, E200, E300	29069

SHAVIV Set B Aluminum* The Workhorse

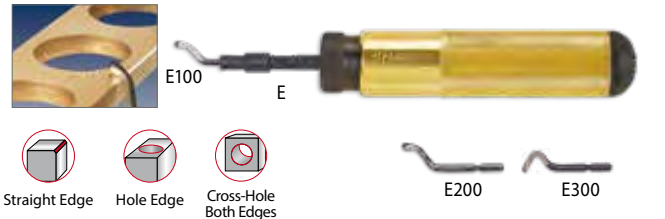
Popular set for holes, slots & edges.
B holder supports all B blades which can be inserted axially or perpendicular to the holder.



Set Name	Handle	Holder	Blades	EDP No.
Shaviv Set B Aluminum	Aluminum	B	B10, B20	29066

SHAVIV Set E Aluminum* Heavy DeBurr

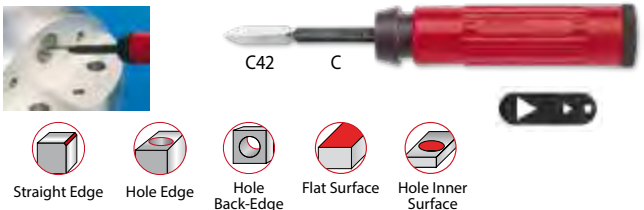
Rugged deburring set for heavy-duty deburring of holes, slots and edges.
E Holder supports all E blades.



Set Name	Handle	Holder	Blades	EDP No.
Shaviv Set E Aluminum	Aluminum	E	E100, E200, E300	90087

Shaviv Set C* The Heavy Scraper

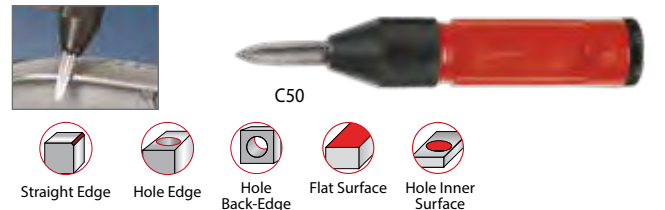
The classic universal handle. Accepts all Shaviv blade holders. To store spare blades inside handle, simply unscrew the back cap.



Set Name	Handle	Holder	Blades	EDP No.
Shaviv Set C	Classic Handle A	C	C42	29067

Set HC* HandyChuck

Delivers pin vise versatility for finishing & scraping applications. Also used for gripping miniature files, drills, reamers, taps, wires, countersinks and other small objects—0.04"-0.32" (1-8 mm) in diameter. Handy for assembling electronic components and watch repair.



Set Name	Handle	Blades	EDP No.
Shaviv Set HC5	HandyChuck Pin Vise	C50	29116
Shaviv Set HC6	HandyChuck Pin Vise	C60	29064

Set 1* Edge Cleaner

The original set for heavy duty deburring of holes and edges. Features a built-in, non-telescopic steel blade holder, which holds blades close to the handle.



Set Name	Handle	Blades	EDP No.
Shaviv Set 1	Handle 1	E100, E200, E300	29078



* All sets shown deburr Steel, Aluminum, Copper, Brass, Cast Iron, Stainless Steel and Plastics.

Economical Deburring Solutions - Glo-Burr Sets



The Rainbow Series Assortments

GLO-BURR B/E 48pc Assortment Kits

Popular, easy-to-grip deburring tools with removable blades.

Strong, yet lightweight.

Features convenient pocket clip and blade storage.

Deburrs Steel, Aluminum, Copper and Plastics.



Straight Edge Hole Edge



Glo-Burr	EDP No.
Glo-Burr B Assortment Kit - 48 pc	29136
Glo-Burr E Assortment Kit - 48 pc	29137

How to Replace the Glo-Burr (B+E) Blade

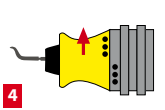
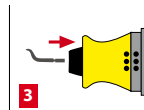
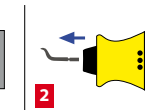
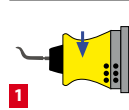


1 Turn handle until the dots are in aligned position (unlocked).

2 Extract old blade.

3 Insert new blade.

4 Turn handle until the dots are in non-aligned position (locked).



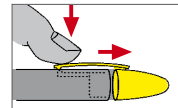
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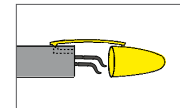
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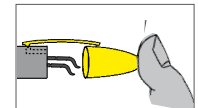
Spare Blades Storage



1. Press down on clip and push end cap out.



2. Store spare blades inside handle.

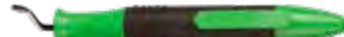


3. Push back the end cap to close.

Glo-Burr B - Standard Duty

B10 Glo-Burr Green * | 29152

Deburr materials with spiral chips



B20 Glo-Burr | 29283

Rotates clockwise & counterclockwise for materials with powdery chips



B30 Glo-Burr | 29284

Deburr inside & outside of holes up to 0.16" (4.0 mm) thick



B11 Glo-Burr | 29282

Extra thin. Deburr holes with min. diameter 0.08" (2.0 mm)



* Glo-Burr B10 Set is also available in the following colors:

Color	Blue	Yellow	Red
EDP No.	29134	29154	29153

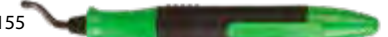


Straight Edge Hole Edge

Glo-Burr E - Heavy Duty

E100 Glo-Burr Green * | 29155

Deburr materials with spiral chips



E200 Glo-Burr | 29286

Rotates clockwise & counterclockwise for materials with powdery chips



E300 Glo-Burr | 29285

Deburr inside & outside of holes up to 0.24" (6.0 mm) thick



E111 Glo-Burr | 29287

Extra thin. Deburr holes with min. diameter 0.06" (1.5 mm)



* Glo-Burr E100 Set is also available in the following colors:

Color	Blue	Yellow	Red
EDP No.	29133	29157	29156



Straight Edge Hole Edge

Glo-Burr Handy Kits

Glo-Burr Handy Kit 4B

Complete kit for any standard deburring job

Includes 4 Glo-Burr B handles and blades B10, B20, B30, B11



Set Name	Handle	Blades	EDP No.
Handy Kit 4B	Glo-Burr	B10, B20, B30, B11	90042

Glo-Burr Handy Kit 4E

Complete kit for any heavy duty deburring job

Includes 4 Glo-Burr E handles and blades E100, E200, E300, E111



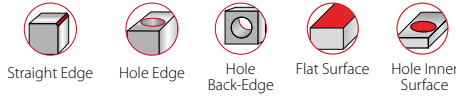
Set Name	Handle	Blades	EDP No.
Handy Kit 4E	Glo-Burr	E100, E200, E300, E111	29114

Scrape-Burrs and Other Compact Tools

Scrape-Burr 42 The Heavy-Duty Scraper



This durable and secure Scrape-Burr 42 set features a permanent heavy-duty triangular blade with 3 cutting edges for high quality finishing & scraping.

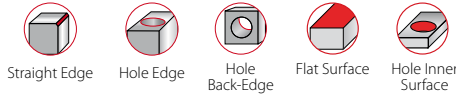


Set Name	Handle	Blades	EDP No.
Scrape-Burr 42	Glo-Burr	C42	90079

Scrape-Burr 40 The All-Purpose Scraper



This useful and convenient all-purpose standard scraper features a permanent heavy-duty triangular blade with 3 cutting edges for high quality finishing & scraping.

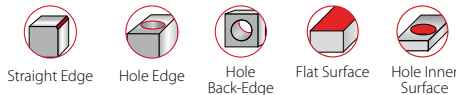


Set Name	Handle	Blades	EDP No.
Scrape-Burr 40	Glo-Burr	C40	90078

Scrape-Burr 400 The Fine-Finish Scraper



This mini tool delivers a fine finish to precision work pieces. Features extra-thin, heavy-duty triangular blade with 3 cutting edges for high quality and accurate finishing & scraping.



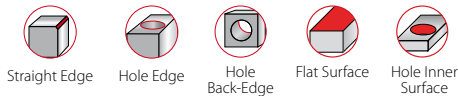
Set Name	Handle	Blades	EDP No.
Scrape-Burr E400	Glo-Burr	E400	90080

Scrape-Burr Kit 3+1



All 3 Scrape-Burrs in one kit!

Plus **FREE** Glo-Burr handle with B10 blade.

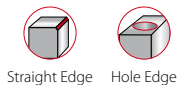


Set Name	Handle	Blades	EDP No.
Scrape-Burr Kit	Glo-Burr	B10, C40, C42, E400	90081

UNIBURR Popular, Slim-Grip Deburring Tools

UB2 DisposaBurr

Disposable. Comes with B10 blade.



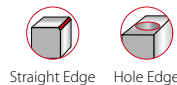
EDP No.: 29190

Strong, yet lightweight. Features convenient pocket clip.
Deburs Steel, Aluminum, Copper and Plastics. Also available in additional colors.

UNIBURR	Black	Blue	Green	Red
UB2	29186	29187	29188	29081

UB1 DisposaBurr

Disposable. Comes with heavy-duty E100 blade.



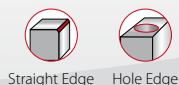
EDP No.: 29080

Strong, yet lightweight. Features convenient pocket clip.
Deburs Steel, Aluminum, Copper and Plastics. Also available in additional colors.

UNIBURR	Black	Blue	Green	Red
UB1	29185	29181	29183	29184

UB2000

Comes with replaceable B10 blade - insert axially or perpendicular to handle.



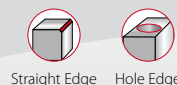
EDP No.: 29192

Strong, yet lightweight. Features convenient pocket clip.
Deburs Steel, Aluminum, Copper and Plastics. Also available in additional colors.

UNIBURR	Black	Blue	Green	Red
UB2000	29202	29107	29203	29191

MB2000

Heavy-duty, hexagon-shaped handle. Comes with replaceable E100 blade.



EDP No.: 29161

Strong, yet lightweight. Features convenient pocket clip.
Deburs Steel, Aluminum, Copper and Plastics. Also available in additional colors.

UNIBURR	Black	Blue	Green	Red
MB2000	29158	29092	29159	29160

Ceramic Tools



Cera-Burr Ceramic Blade Tools



Straight Edge



Hole Edge



Slot/Keyways



Sheets



Mold Gate Trim

Ceramic Tools for deflashing plastics and deburring soft metals. New curved blades to reach arched and angled areas. High quality ceramic blade affixed on strong, lightweight handle. The ideal tools to remove unwanted mold gate trim on plastic work pieces. Avoid accidents commonly occurring with utility blades.



Set Name	Handle	Blades	EDP No.
Cera-Burr	Glo-Burr	Permanent	90084
Cera-Burr Curve	Glo-Burr	Permanent	90113

CERAMIX Set Q10

Heavy-Duty Handle with Ceramic Q10 Blade

Adjust the cutting angle between the blade and the material for the best results and to prevent scratches. Flip blade for 2 types of jobs.



Straight Edge



Flat Surface



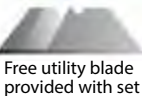
Flip blade for 2 types of jobs:



Side 1: Surface cleaner



Side 2: Sheet edge cleaner



Free utility blade provided with set

Set Name	Handle	Blades	EDP No.
Set Ceramix Q10	Ceramic Handle	Q10	29238

CERAMIX Curved Set Q12

Heavy-Duty Handle with Ceramic Q11 Blade

Adjust the cutting angle between the blade and the material for the best results and to prevent scratches. Flip blade for 2 types of jobs.



Straight Edge



Flip blade for 2 types of jobs:



Side 1: Curved edge cleaner



Side 2: Sheet edge cleaner

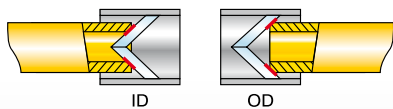


Free utility blade provided with set

Set Name	Handle	Blades	EDP No.
Set Ceramix Q12	Ceramic Handle	Q11	90112

Plum-Burr Heavy-Duty and Standard Duty Pipe Cleaners

Perfect tool to deburr tubing on both inner and outer edges. Excellent for plumbers, installers and electricians.



Metal



Plastic



Outer Edge

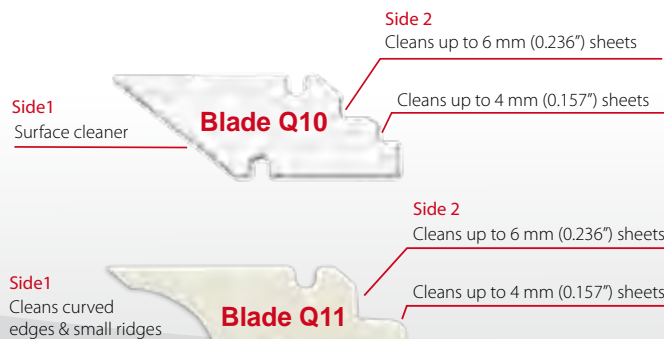
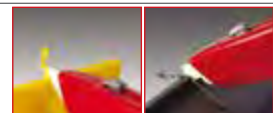


Inner Edge

- Use for aluminum, copper and brass tubing
- Metal - Tubing range: 1/4" to 5/8" (6 mm - 41 mm)
- Plastic - Tubing range: 3/16" to 1 1/2" (4.8 mm - 38 mm)

Set Name	EDP No.
Plum-Burr Metal	90082
Plum-Burr Plastic	90083

CERAMIX Blades



Blades Name/Description	Blades	EDP No.
Blade Ceramix Q10	Q10	29236
Ceramix Curved Blade Q11	Q11	90114

Multi-Purpose Kits

Top 3 Mango II Starter Kit

The all-in-one deburring kit for your workshop. Includes an ergonomic Mango II handle with the three most popular types of blades and holders for different deburring applications.

Contains:

- * Mango II Handle
- * Holders - B, C, & E
- * Blades - B10, B20, B30, B50, B60, C40, E100, & E300



Top 3 Mango II Starter Kit EDP No.: 90085



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Hole Inner Surface



Flat Surface

Kit Classic KPC2 The Favorite 5

Most popular sets, provided in one handy kit.

Contains:

- * Set B: The Workhorse
- * Set C: The Scraper
- * Set D: The Sheet Cleaner
- * Set E: The Heavy Deburr Set
- * Set F: The Countersink

Note: Each set is supplied with the Classic Handle A.



Classic KPC2 EDP No.: 29060



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Hole Inner Surface



Sheets

Kit TD Tool & Die Maker's Kit

Professional, miniature deburring & scraping tools for providing a quality finish to dies & molds. Packaged in an attractive leather case.

Contains:

- * UF1 - Flat diamond coated file
- * US1 - Triangular scraper
- * US2 - Flat scraper
- * US3 - Round scraper
- * US4 - Hooked corner scraper
- * UB38 - Miniature rotational deburring tool for min. hole diameter 0.08" (2 mm)



UF1	EDP No.: 29086
US1	EDP No.: 29087
US2	EDP No.: 29088
US3	EDP No.: 29089
US4	EDP No.: 29090
UB38	EDP No.: 29084

Kit TD EDP No.: 29079



Straight Edge



Hole Edge



Hole Back-Edge



Flat Surface

Kit U Ultra-Fine Finish

Ultra-fine finish kit for precision workpieces.

Contains:

- * Aluminum Handle
- * Non-rotating U Holder
- * Rotating B Holder
- * Four B blades for rotational deburring - B10, B11, B20 & B30
- * Four interchangeable U scrapers - BUS1, BUS2, BUS31 & BUS4
- * E500C scriber

Kit U EDP No.: 29228



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Hole Inner Surface



Flat Surface

Kit Classic KWC

The Universal Box

Excellent all-around deburring kit for your workshop. You get all the tools you need for 1000+ applications.

Contains:

- * Classic Handle A
- * Holders - B, C, D, E & F
- * Blades - B10, B20, B30, B50, B60, B70, C40, C42, D80C, E100, E200, E300, E350, E600 & F20



Classic KWC Plastic Case EDP No.: 29199

Mango II Kit KWC Ordering No.: 90103



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Sheets



Flat Surface

Kit KPA Mango II Plastics Deflashing

The perfect, complete kit for deflashing plastics.

Contains:

- * Mango II Handle
- * UB38 deburring tool
- * Holders - B, E, G3 & LP
- * Blades - B12, B25, E110, E700, G30C & L10

Note: Also available with Classic Handle A.



Mango II KPA EDP No.: 90102

Classic KPA EDP No.: 29104



Straight Edge



Hole Edge



Hole Back-Edge



Outer Edge



Hole Inner Surface



Inner Straight Corners

TD Interchangeable Kit

Replaceable blades now available for Shaviv's professional line of miniature deburring and scraping tools for the dies and molds industry.

Contains:

- * Aluminum Handle
- * Scraper Blades: BUS1 - Triangular Scraper, BUS2 - Flat Scraper, BUS3 - Round Scraper, BUS4 - Hooked Corner Scraper
- * Shaviv UF1 Mini File - Diamond Coated
- * Scrape-Burr 400 for extra fine finishing
- * Non-rotating U Holder



TD Interchangeable Kit EDP No.: 29273



Straight Edge



Hole Edge



Hole Back-Edge



Flat Surface

Universal Sheet Cleaner Kit

Perfect for a wide variety of deburring applications including deburring sheets made of practically any material: metal, plastic, acrylic, etc. Removes ragged edges from one side at a time or both sides at once.

Contains:

- * Mango II Handle
- * Holders - B, BR, D, D5 & E
- * Blades - B10, B20, B30, B70, E100, E200, E300, D80C, D82C, D85, 2 x R10 & 2 x R30
- * Handguard

Sheet Cleaner Kit EDP No.: 90104



Straight Edge



Hole Edge



Sheets



Cross-Hole Both Edges



Flat Surface

Blade Index

Blade Name	EDP Number	Description	Blade (Work Direction Shown)	Applications											Materials											
				Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Flat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminum	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Wood			
B1	29215	Tough, long-life cobalt blade. N1 geometry.		•	•												•	•	•				•			
B-N1	29207	HSS. N1 geometry.		•	•												•	•	•				•			
B10	29012	HSS. Deburrs materials with spiral chips. Bulk pack available.	★	•	•												•	•	•				•			
B10C	29013	Solid carbide. B10 geometry.		•	•												•	•	•				•			
B10D	29014	Diamond-coated. B10 geometry.		•	•																			•		
B10L	29095	B10 for left-handed users.		•	•												•	•	•				•			
B10P	29015	PVD TiN coated for high wear resistance. B10 geometry.		•	•												•	•	•				•			
B10PL	29096	B10 coated with PVD TiN. For left-handed users.		•	•												•	•	•				•			
B10S	29210	Long-lasting, cobalt-enriched. B10 geometry.		•	•												•	•	•				•			
B11	29108	Extra thin, HSS. Deburrs holes with min. diameter 0.08" (2mm).		•	•												•	•	•				•			
B11P	29122	PVD TiN coated for high wear resistance. B11 geometry.		•	•												•	•	•				•			
B12	29016	Short-nosed, HSS.	★	•	•												•	•	•				•			
B12P	29017	Short-nosed, PVD TiN coated for high wear resistance.		•	•												•	•	•				•			
B20	29019	HSS. Rotates clockwise & counterclockwise.	★	•	•														•	•		•			•	
B20C	29020	Solid carbide. Rotates clockwise & counterclockwise.		•	•														•	•		•			•	
B20P	29021	PVD TiN coated for high wear resistance. Rotates clockwise & counterclockwise.		•	•														•	•		•			•	
B25	29022	Thin-nosed. Specially designed for plastics.		•	•												•	•	•				•			
B25C	29110	Solid carbide, thin-nosed. Specially designed for abrasive plastics.		•	•												•	•	•				•			
B30	29023	Simultaneously deburrs the inside and outside of holes up to 0.16" (4 mm) thick.	★				•										•	•	•				•			
B30P	29024	PVD TiN coated for high wear resistance. B30 geometry.					•										•	•	•				•			
B32	29025	Rotates clockwise & counterclockwise. B30 geometry.					•												•	•		•			•	
B50C	29026	Carbide tipped scribe. Can be reground.								•							•	•	•	•	•	•	•	•	•	
B60	29027	HSS. Removes burrs from back edge of holes up to 0.78" (20 mm) thick.					•										•	•	•				•			
B70	29028	Carbide tipped. Deburrs sheetmetal up to 0.14" (3.5 mm) thick.								•							•	•	•	•	•	•	•	•	•	
C40	29029	Small, 0.16" (4 mm), triangular HSS scraper for precision work.	★								•	•	•				•	•	•	•	•	•	•	•	•	
C42	29030	Standard size, 0.31" (8 mm), triangular HSS scraper.	★								•	•	•				•	•	•	•	•	•	•	•	•	
C50	29117	Double-sided, 0.30" (7.8 mm), triangular scraper.	★								•	•	•				•	•	•	•	•	•	•	•	•	
C60	29118	Double-sided, 0.19" (4.8 mm), triangular scraper.									•	•	•				•	•	•	•	•	•	•	•	•	
D80C	29031	Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheet metal up to 0.12" (3 mm) thick.	★								•	•					•	•	•	•	•	•	•	•	•	•
D82C	29032	Heavy-duty, double-edged carbide blade. Deburrs sheet metal up to 0.35" (9 mm) thick.									•						•	•	•	•	•	•	•	•	•	•
D85	29033	Tough HSS with chipbreaker and 6 cutting edges. Deburrs sheet metal up to 0.24" (6 mm) thick.									•						•	•	•	•	•	•	•	•	•	•

Blade Name	EDP Number	Description	Blade (Work Direction Shown)	Applications													Materials										
				Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Flat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminum	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Wood				
E100	29034	Heavy-duty HSS. Deburrs materials with spiral chips.		●	●													●	●	●				●			
E100C	29035	Wear resistant carbide. E100 geometry.		●	●																●	●					
E100D	29036	Diamond-coated. E100 geometry.		●	●																				●		
E100L	29098	E100 for left-handed users.		●	●													●	●	●					●		
E100P	29037	PVD TiN coated for high wear resistance. E100 geometry.		●	●													●	●			●		●			
E100PL	29149	Coated for left-handed users.		●	●													●	●			●		●			
E100S	29211	Long-lasting, cobalt-enriched. E100 geometry.		●	●													●	●	●			●		●		
E110	29038	E shaft, B10 cutting edge for materials with spiral chips. Deburrs holes with min. diameter 0.08" (2 mm).		●	●													●	●	●			●		●		
E110P	29039	PVD TiN coated for high wear resistance. E110 geometry.		●	●													●	●			●		●			
E111	29109	Thin-nosed, HSS. Deburrs holes with min. diameter 0.06" (1.5 mm).		●	●													●	●	●					●		
E111P	29246	PVD TiN coated for high wear resistance. E111 geometry.		●	●													●	●	●					●		
E120	29058	E shaft, B20 cutting edge for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●															●	●				●		
E200	29040	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●															●	●				●		●
E200P	29099	PVD TiN coated for high wear resistance. E200 geometry.		●	●															●	●				●		●
E200S	29169	Long lasting, cobalt enriched. E200 geometry.		●	●															●	●				●		●
E200C	29041	Wear resistant carbide. E200 geometry.		●	●															●	●			●		●	
E250	29106	Specially designed for plastics. Very thin, heavy duty.		●	●															●	●	●				●	
E300	29042	HSS for materials with spiral chips. Simultaneously deburrs the inside and outside of holes up to 0.24" (6 mm) thick.		●	●		●													●	●	●					
E300P	29227	PVD TiN coated for high wear resistance. E300 geometry.		●	●		●														●	●	●			●	
E320	29043	HSS for materials with powdery chips. Simultaneously deburrs the inside and outside of holes up to 0.24" (6 mm) thick. Rotates clockwise & counterclockwise.		●	●		●														●	●				●	●
E350	29044	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●																●	●				●	
E400	29233	Mini triangular scraper.		●	●			●	●	●										●	●	●	●	●	●	●	●
E450	29234	The 4 in 1 blade.		●	●			●			●										●	●	●	●	●	●	●
E500C	29111	Carbide tipped scribe. Can be reground.		●	●						●										●	●	●	●	●	●	●
E600	29045	HSS. Removes burrs from back-edges of holes up to 0.78" (20 mm) thick.		●	●																●	●	●			●	
E601	29046	Extra-long HSS. Removes burrs from back-edges of holes up to 1.57" (40 mm) thick.		●	●																●	●	●			●	
E604	29231	Cross-hole, back-edge with short nose.		●	●																●	●	●			●	
E700	29047	HSS for materials with spiral chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes.		●	●																●	●	●			●	
E707	29232	Contour Cleaner.		●	●																●	●	●	●	●	●	●
E720	29048	HSS for materials with powdery chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. Rotates clockwise & counterclockwise.		●	●																●	●				●	●
E750	29113	HSS specially designed for deburring rubber & soft plastics without poking or sticking into workpiece.		●	●																				●		
E755	29085	HSS for deburring corner-edges of 0.04" (1 mm) high steps.		●	●																●	●	●	●	●	●	●
E800	29018	HSS for materials with spiral chips. Removes burrs from corner-edges of shallow steps.		●	●																	●	●	●		●	
E10	29216	Long-lasting, cobalt-enriched for materials with spiral chips. Ideal for heavy duty jobs.		●	●																●	●	●		●		
ES10	29105	HSS durable blade. S10 geometry.		●	●																●	●	●		●		

Blade Index

Blade Name	EDP Number	Description	Blade (Work Direction Shown)	Applications											Materials													
				Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Flat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminum	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Wood					
F12	29049	Countersink for hole-edges with up to 0.47" (12 mm) diameter.			•													•	•	•	•	•	•	•	•			
F20	29050	Countersink for hole-edges with up to 0.78" (20 mm) diameter.	★		•													•	•	•	•	•	•	•	•	•		
F30	29051	Countersink for hole-edges with up to 1.18" (30 mm) diameter.			•													•	•	•	•	•	•	•	•	•		
F26X	29147	Excellent for external chamfering of pipes, tubes and other items with up to 1.02" (26 mm) diameter.	★			•												•	•	•	•	•	•	•	•	•		
G10	29052	HSS. Deburs slots up to 0.6" (15 mm) wide.	★										•					•	•	•	•	•	•	•	•	•		
G20	29053	HSS, 4 cutting corners. For slots up to 0.4" (10 mm) wide.											•					•	•	•	•	•	•	•	•	•		
G30C	29115	Solid carbide, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces.												•				•	•	•	•	•	•	•	•	•		
G40C	29103	Carbide, 4 cutting corners. For slots up to 0.4" (10 mm) wide.											•					•	•	•	•	•	•	•	•	•		
L10	29063	HSS, 4 cutting edges. Removes burrs from external edges, OD 0.78" (20 mm) and up. "A" side deburrs materials with spiral chips; "B" side for powdery chips.				•												A	A	A	B	B	A		A	B		•
R10	29141	Double-sided, round HSS blade. "A" side deburrs materials with spiral chips; "B" side for powdery chips.	★		•								•					A	A	A	B	B	A		A	B		•
R20	29142	Double-edged, round HSS blade for massive deburring tasks on materials with spiral chips.	★		•								•					•	•	•			•	•	•			
R30	29143	Produces arc-shaped finish on materials up to 0.63" (16 mm) thick. Use a single R30 for one straight edge, or two blades at once to deburr both edges simultaneously.			•								•					•	•	•			•	•	•			
BUS1	29195	Fine-finishing triangular scraper.																•	•	•	•	•	•	•	•	•		•
BUS2	29196	Fine-finishing flat scraper.																•	•	•	•	•	•	•	•	•		
BUS31	29197	Fine-finishing round scraper.																•	•	•	•	•	•	•	•	•		
BUS4	29198	Fine-finishing hooked corner scraper.																•	•	•	•	•	•	•	•	•		
Q10	29236	Double-sided deburring ceramic blade.			•								•													•	•	
Q11	90113	Double-sided deburring. Curved ceramic blade for curved edges and small ridges.			•																					•	•	
Finishing Bit	90050	D1/4" hex shank bit with deburr blade (4 pack).			•	•												•	•	•					•			

The Tools of Choice for Industrial Use

SHAVIV deburring blades, sets, kits and tools are the choice of leading companies in the die & mold, automotive, aviation, plastics, electronics assembly, piping and other industries.



Die & Mold



Electrical



Plastic



Automotive



Metal



Plumbing



Aviation

Durable TiN Coated Blades in Two Convenient Sets

Multi-purpose Blade Set B

For Standard Deburring

- 5 Pairs of B Blades: B10Px2, B11Px2, B12Px2, B20Px2, B30Px2

Multi-purpose Blade Set E

For Heavy Duty Deburring

- 5 Pairs of E Blades: E100Px2, E110Px2, E111Px2, E200Px2, E300Px2




Multi-purpose Blade Set B EDP No.: 29275



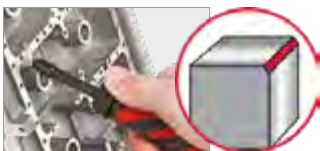
Multi-purpose Blade Set E EDP No.: 29274

Holders

Blade Holder E For all E blades.	 EDP No.: 29004
Blade Holder B Holds all B blades. Use axially or perpendicular to holder.	 EDP No.: 29000
Blade Holder M For both B- or E-series blades.	 EDP No.: 29138
Blade Holder C For C40 & C42 blades	 EDP No.: 29001
Blade Holder D For D80C & D82C blades.	 EDP No.: 29002
Blade Holder D5 For D85 blade.	 EDP No.: 29003
Blade Holder F For all F blades.	 EDP No.: 29005
Blade Holder BURR-BI BR	 EDP No.: 29139

Blade Holder FR Ratchet holder for all F blades.	 EDP No.: 29006
Blade Holder U For all BUS blades.	 EDP No.: 29121
Blade Holder L For the L10 blade.	 EDP No.: 29010
Blade Holder G Holds G10, G20 & G40C blades.	 EDP No.: 29007
Blade Holder G4 Angled to offer easy access to work area. Holds G10, G20 & G40C blades.	 EDP No.: 29102
Blade Holder G3 Angled to offer easy access to work area. Holds G30C blades.	 EDP No.: 29094
Handguard Stainless steel handguard to protect your hand.	 EDP No.: 29093

Applications Guide



Straight Edge
For Sets: B, C, E, HC, M, 1, Burr-Bi



Hole Edge
For Sets: B, C, E, F, FR, HC, M, U, 1



Outer Edge
For Sets: Burr-Ex, L



Cross-Hole Both Edge
For Sets: E, M, 1



Hole Back-Edge
For Sets: C, E, HC, U



Hole Inner Surface
For Sets: C, HC, U



Flat Surface
For Sets: C, D, HC, K, U



Sheets
For Sets: D, Burr-Bi



Inner Edge



Slot Keyways
For Sets: G, U



Inner Straight Corners
For Sets: U, G3



Mold Gate Trim

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29001	17	29054	2	29118	14	29210	14	90062	3
29002	17	29055	2	29119	4	29211	15	90064	3
29003	17	29056	2	29121	17	29215	14	90065	3
29004	17	29057	2	29122	14	29216	15	90066	5
29005	17	29058	15	29133	10	29227	15	90068	5
29006	17	29060	13	29134	10	29228	13	90070	5
29007	17	29063	16	29136	10	29229	8	90071	3
29010	17	29064	9	29137	10	29231	15	90072	3
29012	14	29065	9	29138	17	29232	15	90073	4
29013	14	29066	9	29139	17	29233	15	90074	4
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29017	14	29070	3	29147	16	29246	15	90079	11
29018	15	29071	3	29149	15	29249	5	90080	11
29019	14	29072	4	29152	10	29250	5	90081	11
29020	14	29076	4	29153	10	29251	5	90082	12
29021	14	29078	9	29154	10	29252	5	90083	12
29022	14	29079	13	29155	10	29253	5	90084	12
29023	14	29080	11	29156	10	29254	5	90085	13
29024	14	29081	11	29157	10	29255	5	90087	9
29025	14	29084	13	29158	11	29256	5	90094	4
29026	14	29085	15	29159	11	29263	6	90095	4
29027	14	29086	13	29160	11	29264	3	90097	7
29028	14	29087	13	29161	11	29265	3	90098	7
29029	14	29088	13	29169	15	29267	7	90100	4
29030	14	29089	13	29178	4	29268	7	90101	4
29031	14	29090	13	29181	11	29272	6	90102	13
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29033	14	29093	17	29184	11	29274	16	90105	6
29034	15	29094	17	29185	11	29275	16	90106	6
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29036	15	29096	14	29187	11	29277	7	90108	6
29037	15	29098	15	29188	11	29278	7	90109	6
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