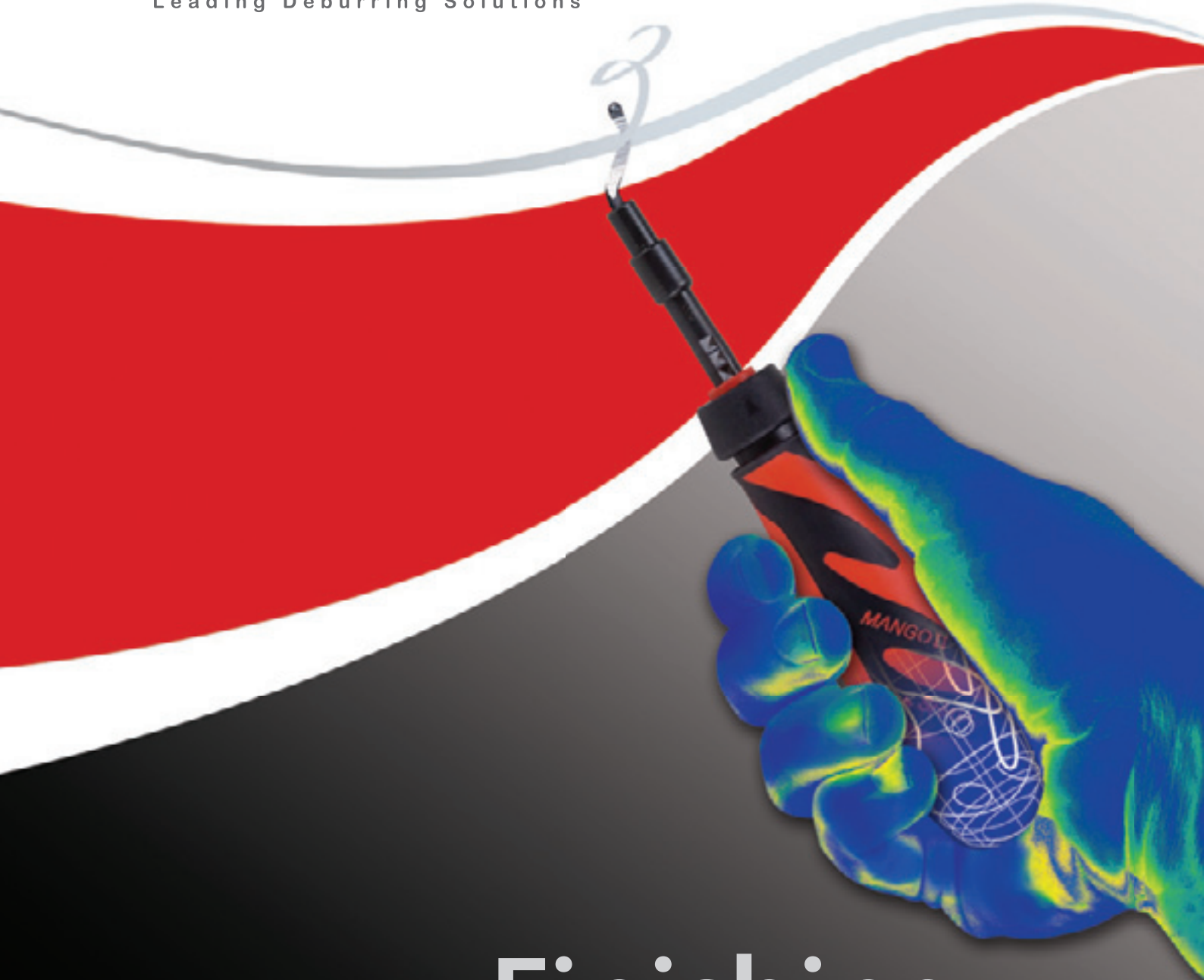


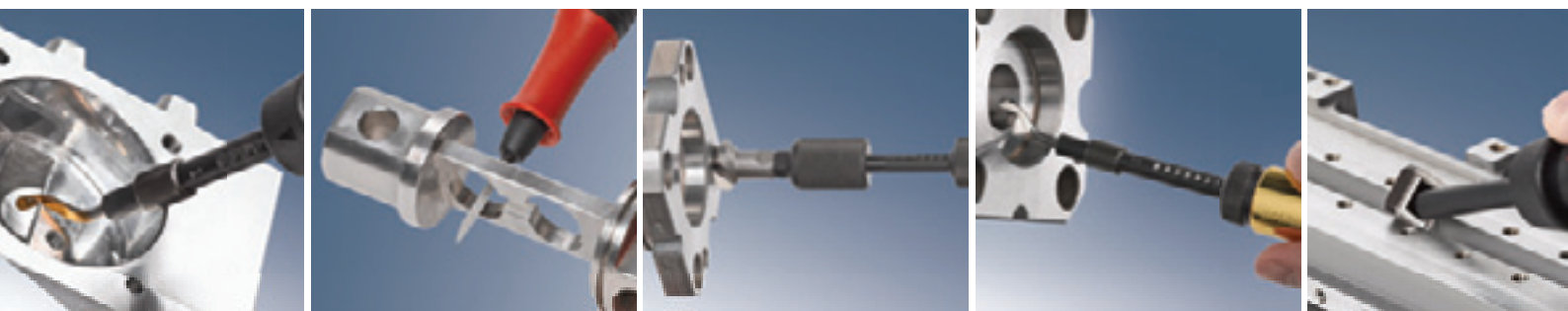
**SHAVIV**  
Leading Deburring Solutions

**vargus**  
NEUMO Ehrenberg Group



The **Finishing**  
Touch

[www.shaviv.com](http://www.shaviv.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 two major product lines: SHAVIV hand-deburring tools and VARDEX thread turning and thread milling tools.

## 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 holders and blades. Simple holder mechanism. Comfortable, ergonomic handle for standard-sized hands.



**Mango II Handle** Ordering No.: 152-00019

### **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.



**Mango II B Handle** Ordering No.: 152-00009



**Mango II E Handle** Ordering No.: 152-00016

### **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.



**Mango Click E Handle** Ordering No.: 152-00013

## The Choice Tools 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.



Dies & Mold



Electrical



Plastic



Automotive



Metal



Plumbing



Aviation

# mango II Long-Reach Sets



The **Finishing Touch**

## The most recommended handle for comfort and control in deburring

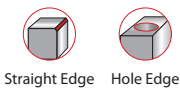
- Works with all SHAVIV holders (see page 17)
- Simple holder mechanism
- Comfortable, ergonomic handle for standard-sized hands



Mango II Handle for long reach Ordering No.:152-00019

### 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.



Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set B	Mango II	B	B10,B20	155-90056

### 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.



For added safety, use with Handguard, Ordering No.: 152-00030

Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set D	Mango II	D	D80C	155-90064

### 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	Ordering No.
Mango II Set G	Mango II	G	G10	155-90074

### Mango II Set FR Ratchet-Burr for ID

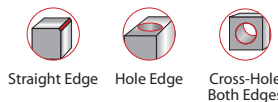
Features FR ratchet holder, ideal for rotational chamfering, even when workspace is limited. Inside diameter (ID) up to 0.79" (20mm).



Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set FR	Mango II	FR	F20	155-90072

### Mango II Set E Heavy DeBurr

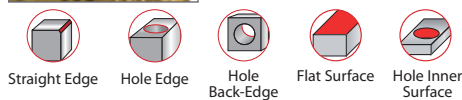
Rugged deburring set for heavy-duty deburring of holes, slots and edges. E holder supports all E blades.



Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set E	Mango II	E	E100,E200, E300	155-90065

### 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	Ordering No.
Mango II Set C	Mango II	C	C42	155-90062

### 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	Ordering No.
Mango II Set FRX	Mango II	FR	F26X	155-90073

### 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.



Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set F	Mango II	F	F20	155-90071



## 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 152-00009

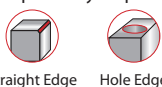
Mango IIE Handle 152-00016

### Mango IIB Sets

For multi-purpose B blades



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



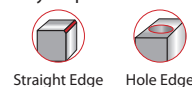
Deburrs Steel, Aluminium, Copper, Brass, Cast Iron and Plastics.

### Mango IIE Sets

For heavy-duty E 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, Aluminium, Copper, Brass, Cast Iron and Plastics.

### Mango IIB+1



### Mango IIB+2



### Mango IIB+4



### Mango IIE+1



### Mango IIE+3



### Mango IIE+5



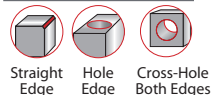
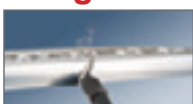
Set Name	Handle	Blades	Ordering No.
Mango IIB + 1	Mango IIB	B10	155-90058
Mango IIB + 2	Mango IIB	B10, B20	155-90060
Mango IIB + 4	Mango IIB	B10, B11, B20, B25	155-90061

Set Name	Handle	Blades	Ordering No.
Mango IIE + 1	Mango IIE	E100	155-90066
Mango IIE + 3	Mango IIE	E100, E200, E300	155-90068
Mango IIE + 5	Mango IIE	E100, E111, E120, E200, E300	155-00162

## Specialty Sets

### Mango II Set M\* The 2 in 1

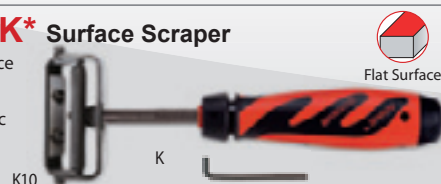
Deburr holes, slots & edges. Holder M supports both B and E blades.



Set Name	Handle	Holder	Blades	Ordering No.
Mango II Set M	Mango II	M	B10, B20, B30, E100, E111, E200	155-00199

### Mango II Set K\* Surface Scraper

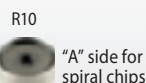
The original industrial surface scraper. Pulling/pushing action makes it perfect for smoothing metal and plastic surfaces as well as scraping paint and varnishes.



Set Name	Handle	Holder	Blades	key	Ordering No.
Mango II Set K	Mango II	K	K10	K	155-00207

### 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 shape finishes on workpieces up to 0.63" (16 mm) thick. Handguard attached for worker safety.



Set Name	Handle	Holder	Blades	Key	Ordering No.
Mango II Set Burr-Bi	Mango II	BR	R10 x 2	BR	155-00206

# Bonus Packs

## E100P Blades TiN Coated

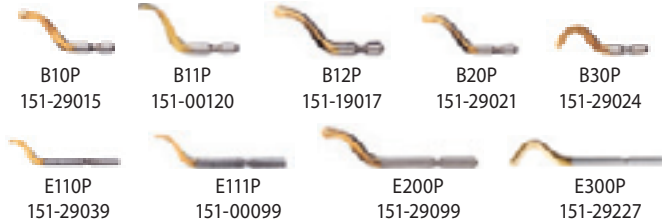
TiN (Titanium Nitride) Coated Blades

Achieve the Best Finish With the Highest Resistance to Wear

### Bonus Pack

Buy 10 x E100P blades (TiN Coated) and receive 2 blades **FREE**

Additional TiN Coated Blades Available in Packs of 10



Ordering No.: 151-00112

## For Extra-Close Work

Each Bonus Pack includes 10 blades and **FREE** Mango II B/E 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

Ordering No.	Bonus Pack
155-00177	10 x B10
155-00178	10 x E100
155-00183	10 x B10S (Cobalt)
155-00179	10 x E100S (Cobalt)

## For Long-Reach Work

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



Ordering No.	Bonus Pack
155-00180	10 x B10 + Holder B
155-00181	10 x E100 + Holder E
155-00184	10 x B10S (Cobalt) + Holder B
155-00182	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. 6 types now available!

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

### Deburring & Scraping Standard Duty



154-00034

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

### Deburring & Scraping Heavy Duty



154-00036

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

### Deburring & Sheet Cleaning



154-00035

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

### Deburring & Chamfering



154-00033

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

### Filing & Deburring



154-00030

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

### Deburring & Deflashing



154-00040

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

## 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  
155-00231

Heavy Duty Applications  
**Set E111P**



Mango II Handle  
Holder E  
5 X E111P (coated) blades  
155-00232



- 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 up to 5 times the life of standard non-coated blades
- Great for other applications such as dies, molds, automotive and R&D

# New Products

## 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!



154-00031

### 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"
<b>FREE</b>	Finishing Bit with B12 blade	



154-00032

### 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"
<b>FREE</b>	Finishing Bit with B12 blade	



## 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

### C80

Blade	Shank Diameter	Tip Angle
C80	2.6 mm	5°



151-00114

### C81

Blade	Shank Diameter	Tip Angle
C81	3.2 mm	5°



151-00116

### C82

Blade	Shank Diameter	Tip Angle
C82	3.2 mm	10°



151-00115



## 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 152-00013

## Mango Click + 12 E100



mango  
Click n' Go



**FREE Handle**

155-29229

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

## Mango Click Set E5



Set Name	Handle	Blades	Ordering No.
Mango Click Set E5	Mango Click E	E100, E111, E120, E200, E300	155-00161

## Mango Click Set E3



Set Name	Handle	Blades	Ordering No.
Mango Click Set E3	Mango Click E	E100, E200, E300	155-90076

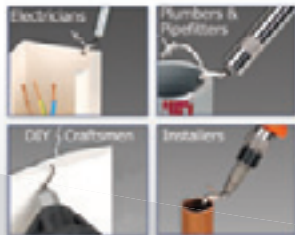
## Set Finishing Bit

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	Ordering No.
Set Finishing Bit	Screwdriver Bit Holder Handle	Finishing Bit	156-00003

## 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	Ordering No.
Finishing Bit 4 Pack	4 Finishing Bits	156-00001



# Classic Sets



## Classic Handle A

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

Ordering No.: 152-00003



## Handle A (Aluminium)

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

Ordering No.: 152-00005



## Handle 1

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

Ordering No.: 152-00026



## HandyChuck Pin Vise

Holds small files, drills, reamers, taps, mold polishing stones, wires, countersinks, etc. Grips objects with 1mm (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.

Ordering No.: 155-29057

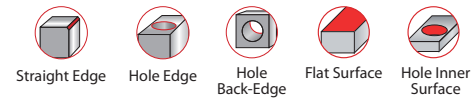


## Shaviv Set C\* The Heavy Scraper

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



C42 C



Set Name	Handle	Holder	Blades	Ordering No.
Shaviv Set C	Classic Handle A	C	C42	155-29067

## 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 handle.



E100



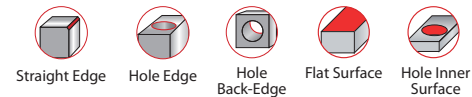
Set Name	Handle	Blades	Ordering No.
Shaviv Set 1	Handle 1	E100, E200, E300	155-29078

## 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.



C50



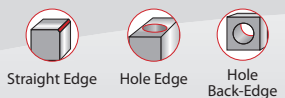
Set Name	Handle	Blades	Ordering No.
Shaviv Set HC5	HandyChuck Pin Vise	C50	155-00163

## SHAVIV Set E Aluminium\* Heavy DeBurr

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



E100 E



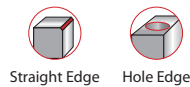
Set Name	Handle	Holder	Blades	Ordering No.
Shaviv Set E Aluminium	Aluminium	E	E100, E200, E300	155-00019

## 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.



B10 B



Set Name	Handle	Holder	Blades	Ordering No.
Shaviv Set B	Classic Handle A	B	B10, B20	155-29065

## Shaviv Set E\* Heavy DeBurr

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



E100 E



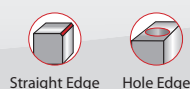
Set Name	Handle	Holder	Blades	Ordering No.
Shaviv Set E	Classic Handle A	B	E100, E200, E300	155-29069

## SHAVIV Set B Aluminium\* The Workhorse

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



B10 B



Set Name	Handle	Holder	Blades	Ordering No.
Shaviv Set B Aluminium	Aluminium	B	B10, B20	155-29066

\* All sets shown deburr Steel, Aluminium, 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, Aluminium, Copper and Plastics.



Straight Edge Hole Edge

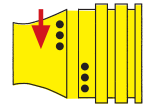


Glo-Burr	Ordering No.
Glo-Burr B Assortment Kit - 48 pc	154-29136
Glo-Burr E Assortment Kit - 48 pc	154-00013

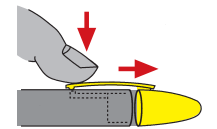
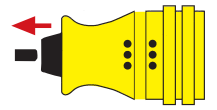
## How to Replace the Blade



To replace blades, turn the handle until the dots are aligned.



- Lightweight, easy-to-grip tool made from specially engineered reinforced plastic.
- Designed for deburring of steel, aluminum and plastic.
- Glo-Burr B: This versatile handle is supplied with the popular B10 blade.
- Glo-Burr E: This versatile handle is supplied with the popular E100 blade.
- Blades are replaceable. Glo-Burr B and E handles work with B and E series blades.
- Features a convenient pocket clip.



## The Rainbow Series

### GLO-BURR B

Popular, easy-to-grip deburring tools



Straight Edge Hole Edge

Strong, yet lightweight. Features convenient pocket clip and blade storage.

**Glo-Burr B** - Supplied with B10 blade, holds other popular B blades.



Deburrs Steel, Aluminium, Copper and Plastics.

Glo-Burr	Blue	Yellow	Green	Red
Glo-Burr B	155-29134	155-29154	155-29152	155-29153

## The Rainbow Series

### GLO-BURR E

Popular, easy-to-grip deburring tools



Straight Edge Hole Edge

Strong, yet lightweight. Features convenient pocket clip and blade storage.

**Glo-Burr E** - Supplied with heavy-duty E100 blade, holds other popular E blades.



Deburrs Steel, Aluminium, Copper and Plastics.

Glo-Burr	Blue	Yellow	Green	Red
Glo-Burr E	155-29133	155-29157	155-29155	155-29156

## Glo-Burr Handy Kits

### Glo-Burr Handy Kit 4B

**A tool 4 every deburring job**

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



### Glo-Burr Handy Kit 4E

**A tool 4 every deburring job**

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



Set Name	Handle	Blades	Ordering No.
Handy Kit 4B	Glo-Burr	B10, B20, B30, B11	154-90042

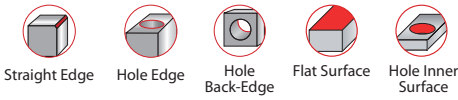
Set Name	Handle	Blades	Ordering No.
Handy Kit 4E	Glo-Burr	E100, E200, E300, E111	154-29144

# 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.

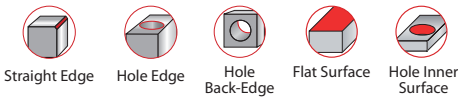


Set Name	Handle	Blades	Ordering No.
Scrape-Burr 42	Glo-Burr	C42	155-90079

## 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.

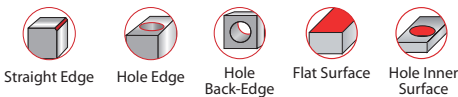


Set Name	Handle	Blades	Ordering No.
Scrape-Burr 40	Glo-Burr	C40	155-90078

## 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.

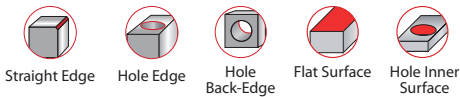


Set Name	Handle	Blades	Ordering No.
Scrape-Burr E400	Glo-Burr	E400	155-90080

## Scrape-Burr Kit 3+1



**All 3 Scrape-Burrs in one kit!**  
Plus **FREE** Glo-Burr handle with B10 blade.



Set Name	Handle	Blades	Ordering No.
Scrape-Burr Kit	Glo-Burr	B10, C40, C42, E400	154-90081

## UNIBURR Popular, Slim-Grip Deburring Tools

### UB2 DisposaBurr

Disposable. Comes with B10 blade.



Ordering No.: 155-29190

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

UNIBURR	Black	Blue	Green	Red
UB2	155-00168	155-29187	155-00169	155-29081

### UB1 DisposaBurr

Disposable. Comes with heavy-duty E100 blade.



Ordering No.: 155-29080

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

UNIBURR	Black	Blue	Green	Red
UB1	155-00165	155-29181	155-00166	155-29184

### UB2000

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



Ordering No.: 155-29192

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

UNIBURR	Black	Blue	Green	Red
UB2000	155-29202	155-29107	155-29203	155-29191

### MB2000

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



Ordering No.: 155-29161

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

UNIBURR	Black	Blue	Green	Red
MB2000	155-29158	155-29092	155-29159	155-29160

# Specialty Tools



## Cera-Burr Ceramic Blade Tool

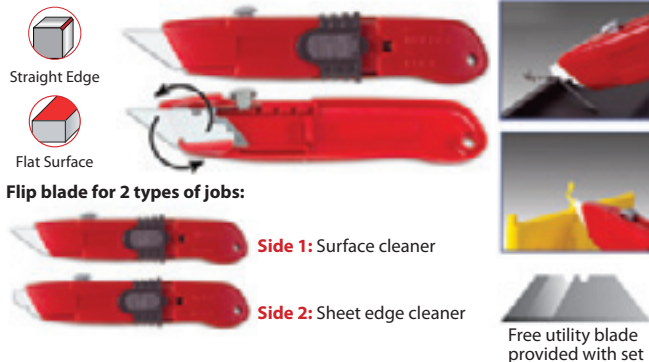
High quality ceramic blade affixed on strong, lightweight handle. Excellent for deflashing plastics and deburring soft metals. The ideal tool to remove unwanted mold gate trim on plastic work pieces. Avoid accidents commonly occurring with utility blades.



Set Name	Handle	Blades	Ordering No.
Cera-Burr	Glo-Burr	Permanent	155-90084

## CERAMIX Set Q10 Heavy-Duty Handle with Ceramic Q10 Blade

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



Set Name	Handle	Blades	Ordering No.
Set Ceramix Q10	Ceramic Handle	Q10	155-29238

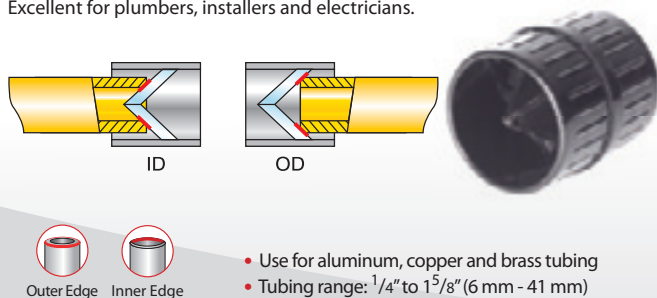
## CERAMIX Blade Q10



Set Name	Blades	Ordering No.
Blade Ceramix Q10	Q10	151-29236

## Plum-Burr Metal Heavy-Duty Pipe Cleaner

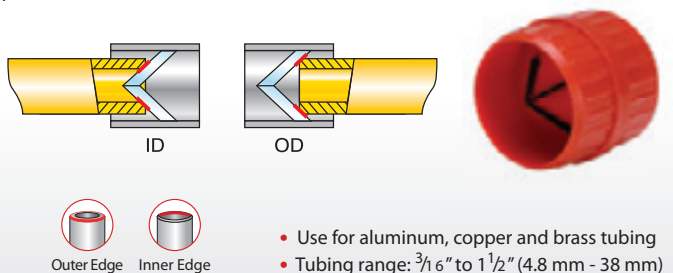
Perfect tool to deburr tubing on both inner and outer edges. Excellent for plumbers, installers and electricians.



Set Name	Ordering No.
Plum-Burr Metal	155-90082

## Plum-Burr Plastic Pipe Cleaner

Deburr tubing on both inner and outer edges. Excellent for plumbers, installers and electricians.



Set Name	Ordering No.
Plum-Burr Plastic	155-90083

# Multi-Purpose Kits

## Top 3 Mango II Starter Kit

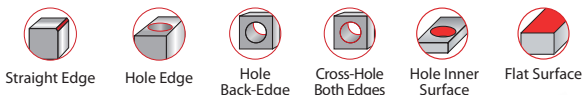
The all-in-one deburring kit for your workshop. Includes an ergonomic Mango II handle with the three most popular types of blades and holders for different deburring applications.

Contains:

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



**Top 3 Mango II Starter Kit** Ordering No.: 154-90085



## Kit Classic KPC2 The Favorite 5

Most popular sets, provided in one handy kit.

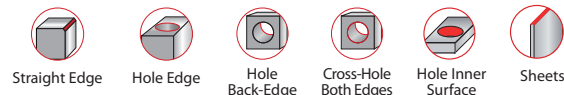
Contains:

- \* 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** Ordering No.: 154-29060

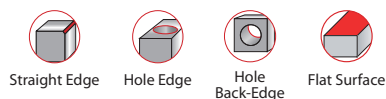


## Kit TD Tool & Die Maker's Kit

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	Ordering No.: 155-00051
US1	Ordering No.: 155-00156
US2	Ordering No.: 155-00173
US3	Ordering No.: 155-00174
US4	Ordering No.: 155-00175
UB38	Ordering No.: 155-29084
Kit TD	Ordering No.: 154-29079

## Kit U Ultra-Fine Finish

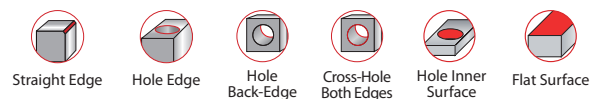
Ultra-fine finish kit for precision workpieces.

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 scribe



**Kit U** Ordering No.: 154-29228



## Kit Classic KWC

### The Universal Box - Plastic Case or Wooden Case

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

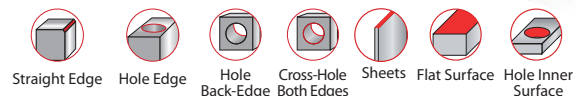
Contains:

- \* 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** Ordering No.: 154-00008

**Classic KWC Wooden Case** Ordering No.: 154-29061



## Kit KPA Mango II Plastics Deflashing

The perfect, complete kit for deflashing plastics.

Contains:

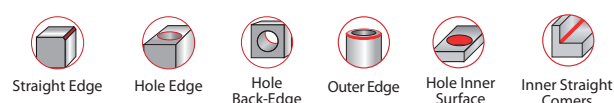
- \* Mango II Handle
- \* UB38 deburring tool
- \* Holders - B, E, G3 & LP
- \* Blades - B12, B25, E110, E700, G30C & L10

Note: Also available with Classic Handle A.



**Mango II KPA** Ordering No.: 154-00037

**Classic KPA** Ordering No.: 154-00012



## Kit Classic KPA Plastics Deflashing

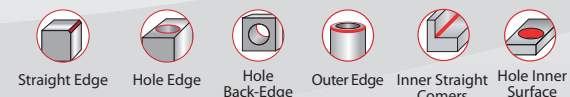
The perfect, complete kit for deflashing plastics.

Contains:

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

**Classic KPA** Ordering No.: 154-00012

**Mango II KPA** Ordering No.: 154-00037



## Universal Sheet Cleaner Kit

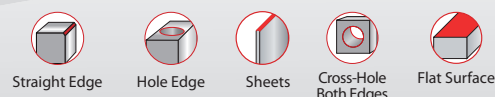
Perfect for a wide variety of deburring applications including deburring sheets made of practically any material: metal, plastic, acrylic, etc. Removes ragged edges from one side at a time or both sides at once.

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** Ordering No.: 154-00038



# Blade Index

Blade Name	Ordering No.	Description	Blade (Work Direction Shown)	Applications										Materials										
				Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Fiat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminum	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass		
B1	151-29215	Tough, long-life cobalt blade. N1 geometry.		●	●											●	●	●			●	●		
B10	151-29212	HSS. Deburrs materials with spiral chips.	★	●	●											●	●	●					●	
B10C	151-29013	Solid carbide, B10 geometry.		●	●											●	●	●				●	●	
B10D	151-29014	Diamond-coated. B10 geometry.		●	●																			●
B10L	151-29095	B10 for left-handed users.		●	●											●	●	●					●	
B10P	151-29015	PVD TiN coated for high resistance to wear. B10 geometry.		●	●											●	●	●				●	●	
B10PL	151-29096	B10 coated with PVD TiN. For left-handed users.		●	●											●	●	●				●	●	
B10S	151-29210	Long-lasting, cobalt-enriched. B10 geometry.		●	●											●	●	●				●	●	
B11	151-29108	Extra thin, HSS. Deburrs holes with min. diameter 0.08" (2mm).		●	●											●	●	●					●	
B11P	151-00120	PVD TiN coated for high resistance to wear. B11 geometry.		●	●											●	●	●				●	●	
B12	151-29016	Short-nosed, HSS.	★	●	●											●	●	●					●	
B12P	151-19017	Short-nosed, PVD TiN coated for high resistance to wear.		●	●											●	●	●				●	●	
B20	151-19019	HSS. Rotates clockwise & counterclockwise.	★	●	●													●	●				●	
B20C	151-19020	Solid carbide. Rotates clockwise & counterclockwise.		●	●													●	●	●			●	
B20P	151-29021	PVD TiN coated for high resistance to wear. Rotates clockwise & counterclockwise.		●	●													●	●	●			●	
B25	151-29022	Thin-nosed. Specially designed for plastics.		●	●											●	●	●					●	
B25C	151-29110	Solid carbide, thin-nosed. Specially designed for abrasive plastics.		●	●													●	●	●				●
B30	151-29023	Simultaneously deburrs the inside and outside of holes up to 0.16" (4 mm) thick.	★				●									●	●	●					●	
B30P	151-29024	PVD TiN coated for high resistance to wear. B30 geometry.					●									●	●	●				●	●	
B32	151-29025	Rotates clockwise & counterclockwise. B30 geometry.					●											●	●				●	
B50C	151-29026	Carbide tipped scriber. Can be reground.									●					●	●	●	●	●	●	●	●	●
B60	151-29027	HSS. Removes burrs from back edge of holes up to 0.78" (20 mm) thick.						●								●	●	●					●	
B70	151-29028	Carbide tipped. Deburrs sheetmetal up to 0.14" (3.5 mm) thick.									●					●	●	●	●	●	●	●	●	●
C40	151-29029	Small, 0.16" (4 mm), triangular HSS scraper for precision work.	★	●				●	●	●						●	●	●	●	●	●	●	●	●
C42	151-29030	Standard size, 0.31" (8 mm), triangular HSS scraper.	★	●				●	●	●						●	●	●	●	●	●	●	●	●
C50	151-29117	Double-sided, 0.30" (7.8 mm), triangular scraper.	★	●				●	●	●						●	●	●	●	●	●	●	●	●
C60	151-29118	Double-sided, 0.19" (4.8 mm), triangular scraper.	★	●				●	●	●						●	●	●	●	●	●	●	●	●
D80C	151-29031	Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheet metal up to 0.12" (3 mm) thick.	★								●	●				●	●	●	●	●	●	●	●	●
D82C	151-29032	Heavy-duty, double-edged carbide blade. Deburrs sheet metal up to 0.35" (9 mm) thick.									●					●	●	●	●	●	●	●	●	●
D85	151-29033	Tough HSS with chipbreaker and 6 cutting edges. Deburrs sheet metal up to 0.24" (6 mm) thick.									●					●	●	●	●	●	●	●	●	●

Blade Name	Ordering No.	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		
E100	151-29034	Heavy-duty HSS. Deburrs materials with spiral chips.		●	●											●	●	●					●	
E100C	151-29035	Wear resistant carbide. E100 geometry.		●	●																		●	●
E100D	151-29036	Diamond-coated. E100 geometry.		●	●																			●
E100L	151-29098	E100 for left-handed users.		●	●											●	●	●					●	
E100P	151-29037	PVD TiN coated for high resistance to wear. E100 geometry.		●	●											●	●					●	●	
E100PL	151-00022	Coated for left-handed users.		●	●											●	●					●	●	
E100S	151-29211	Long-lasting, cobalt-enriched. E100 geometry.		●	●											●	●	●				●	●	
E110	151-29038	E shaft, B10 cutting edge for materials with spiral chips. Deburrs holes with min. diameter 0.08" (2 mm).		●	●											●	●	●					●	
E110P	151-29039	PVD TiN coated for high resistance to wear. E110 geometry.		●	●											●	●					●	●	
E111	151-29109	Thin-nosed, HSS. Deburrs holes with min. diameter 0.06" (1.5 mm).		●	●											●	●	●					●	
E111P	151-00099	PVD TiN coated for high resistance to wear. E111 geometry.		●	●											●	●	●					●	
E120	151-29058	E shaft, B20 cutting edge for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●														●	●			●	
E200	151-29040	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●														●	●			●	
E200P	151-29099	PVD TiN coated for high resistance to wear. E200 geometry.		●	●														●	●			●	
E200S	151-00107	Long lasting, cobalt enriched. E200 geometry.		●	●														●	●			●	
E200C	151-29041	Wear resistant carbide. E200 geometry.		●	●														●	●			●	
E250	151-29106	Specially designed for plastics. Very thin, heavy duty.		●	●											●	●	●					●	
E300	151-29042	HSS for materials with spiral chips. Simultaneously deburrs the inside and outside of holes up to 0.24" (6 mm) thick.					●									●	●	●					●	
E300P	151-29227	PVD TiN coated for high resistance to wear. E300 geometry.					●									●	●	●					●	
E320	151-29043	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	151-29044	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●														●	●			●	
E400	151-29233	Mini triangular scraper.		●	●			●	●	●						●	●	●	●	●	●		●	
E450	151-29234	The 4 in 1 blade.		●				●			●					●	●	●	●	●	●		●	
E500C	151-29111	Carbide tipped scriber. Can be reground.				●				●	●	●	●			●	●	●	●	●	●	●	●	
E600	151-29045	HSS. Removes burrs from back-edges of holes up to 0.78" (20 mm) thick.		●				●								●	●	●					●	
E601	151-29046	Extra-long HSS. Removes burrs from back-edges of holes up to 1.57" (40 mm) thick.		●				●								●	●	●					●	
E604	151-29231	Cross-hole, back-edge with short nose.						●								●	●	●					●	
E700	151-29047	HSS for materials with spiral chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes.						●	●							●	●	●					●	
E707	151-29232	Contour Cleaner.		●	●											●	●	●	●	●	●	●	●	
E720	151-29048	HSS for materials with powdery chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. Rotates clockwise & counterclockwise.						●	●										●	●			●	
E750	151-29113	HSS specially designed for deburring rubber & soft plastics without poking or sticking into workpiece.		●	●																		●	
E755	151-29085	HSS for deburring corner-edges of 0.04" (1 mm) high steps.		●												●	●	●	●	●	●		●	
E800	151-29018	HSS for materials with spiral chips. Removes burrs from corner-edges of shallow steps.		●	●											●	●	●					●	
E10	151-29216	Long-lasting, cobalt-enriched for materials with spiral chips. Ideal for heavy duty jobs.		●	●											●	●	●					●	

# Blade Index

Blade Name	Ordering No.	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				
F12	151-29049	Countersink for hole-edges with up to 0.47" (12 mm) diameter.			●												●	●	●	●	●	●	●	●		
F20	151-29050	Countersink for hole-edges with up to 0.78" (20 mm) diameter. ★			●												●	●	●	●	●	●	●	●	●	
F30	151-29051	Countersink for hole-edges with up to 1.18" (30 mm) diameter.			●												●	●	●	●	●	●	●	●	●	
F26X	151-29147	Excellent for external chamfering of pipes, tubes and other items with up to 1.02" (26 mm) diameter. ★				●											●	●	●	●	●	●	●	●	●	
G10	151-29052	HSS. Deburs slots up to 0.6" (15 mm) wide. ★										●					●	●	●	●	●	●	●	●	●	
G20	151-29053	HSS, 4 cutting corners. For slots up to 0.4" (10 mm) wide.										●					●	●	●	●	●	●	●	●	●	
G30C	151-29115	Solid carbide, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces.											●				●	●	●	●	●	●	●	●	●	
G40C	151-29103	Carbide, 4 cutting corners. For slots up to 0.4" (10 mm) wide.										●					●	●	●	●	●	●	●	●	●	
K10C	151-29062	Double-edged, carbide. Deburs surfaces up to 1.91" (50 mm) wide.											●				●	●	●	●	●	●	●	●	●	
L10	151-29063	HSS, 4 cutting edges. Removes burrs from external edges, OD 0.78" (20 mm) and up. "A" side deburs materials with spiral chips; "B" side for powdery chips.				●											A	A	A	B	B	A	A	A	B	
R10	151-29141	Double-sided, round HSS blade. "A" side deburs materials with spiral chips; "B" side for powdery chips. ★			●												A	A	A	B	B	A	A	A	B	
R20	151-29142	Double-edged, round HSS blade for massive deburring tasks on materials with spiral chips. ★			●												●	●	●			●	●	●	●	
R30	151-29143	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	151-29195	Fine-finishing triangular scraper.						●	●	●							●	●	●	●	●	●	●	●	●	
BUS2	151-29196	Fine-finishing flat scraper.										●					●	●	●	●	●	●	●	●	●	
BUS31	151-29197	Fine-finishing round scraper.											●				●	●	●	●	●	●	●	●	●	
BUS4	151-29198	Fine-finishing hooked corner scraper.											●				●	●	●	●	●	●	●	●	●	
Q10	151-29236	Double -sided deburring ceramic blade.			●																				●	
Finishing Bit	156-00001	D1/4" hex shank bit with deburr blade (4 pack).			●	●											●	●	●						●	

## Handles

Handle Name	Ordering No..	Handle	Handle Name	Ordering No..	Handle
Mango II Handle Long Reach	152-00019		Classic Handle A	152-00003	
Mango II Handle B & E Extra-Close	Mango IIB 152-00009		Handle A Aluminum	152-00005	
	Mango IIE 152-00016		Handle 1	152-00026	
Mango Click E	Mango Click E 152-00013		HandyChuck Pin Vise	155-29057	



# Holders

Blade Holder E For all E blades.	 Ordering No.: 153-29004	Blade Holder FR Ratchet holder for all F blades.	 Ordering No.: 153-29006
Blade Holder B Holds all B blades. Use axially or perpendicular.	 Ordering No.: 153-29000	Blade Holder U For all BUS blades.	 Ordering No.: 153-29121
Blade Holder M For both B- or E-series blades.	 Ordering No.: 153-29138	Blade Holder L For the L10 blade.	 Ordering No.: 153-29010
Blade Holder C For C40 & C42 blades	 Ordering No.: 153-29001	Blade Holder G Holds G10, G20 & G40C blades.	 Ordering No.: 153-29007
Blade Holder D For D80C & D82C blades.	 Ordering No.: 153-29002	Blade Holder G4 Angled to offer easy access to work area. Holds G10, G20 & G40C blades.	 Ordering No.: 153-29102
Blade Holder D5 For D85 blade.	 Ordering No.: 153-29003	Blade Holder G3 Angled to offer easy access to work area. Holds G30C blades.	 Ordering No.: 153-29094
Blade Holder F For all F blades.	 Ordering No.: 153-29005	Blade Holder K Holds the surface scraper K10.	 Ordering No.: 153-29009
Blade Holder BURR-BI BR	 Ordering No.: 153-29139	Handguard Stainless steel handguard to protect your hand.	 Ordering No.: 152-00030

## New Product Improvements

SHAVIV prides itself in listening to our customers and implementing their requests. Your comments and product suggestions are welcome and will be reviewed by the SHAVIV team.

### New End Cap for Aluminum Handle

Now store all blades inside the handle!



### New End Cap for Mango II Handles

- Improved end cap for safety
- Socket for convenient blade storage
- 2 sockets for B Blades (Set B)
- 3 sockets for E Blades (Set E)



### Special Plastic Packaging for Most B and E Blades

- Comfortable and convenient packaging
- Easy removal of blades from package
- Designed to work with industrial vending machines
- Hanging tab attached!

# Page Reference

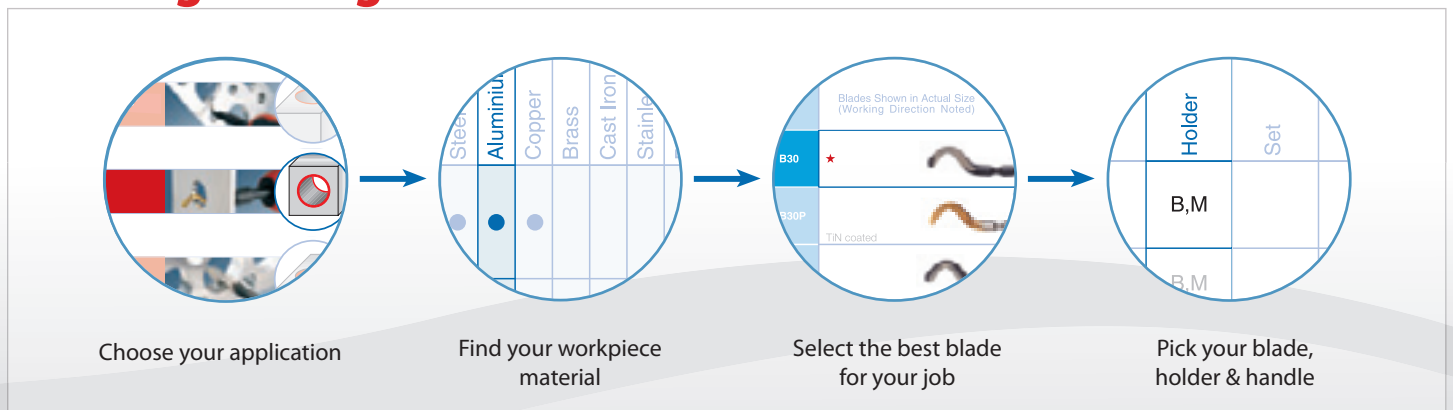
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The **Finishing**  
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# Applications & Tool Selection Guide

<p><b>Straight Edge</b></p>			<p><b>Hole Edge</b></p>		
<p><b>Outer Edge</b></p>			<p><b>Cross-Hole Both Edges</b></p>		
<p><b>Hole Back-Edge</b></p>			<p><b>Hole Inner Surface</b></p>		
<p><b>Flat Surface</b></p>			<p><b>Sheets</b></p>		
<p><b>Slot/Keyways</b></p>			<p><b>Inner Straight Corners</b></p>		

## Finding the Right Tool for Your Job



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