



## SHAVIV THE ORIGINAL DEBURRING TOOLS

SERIES 434:

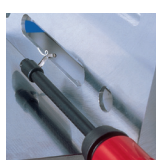
## MATERIAL / APPLICATIONS / SELECTION CHART

Materials	Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Sheet Metal	Hard Metal	Plastic	Rubber	Carbide Glass
<b>Applications</b>											
External inner-edge	B10,11,12,25,10P,12P,10C E100,110,111,250,100P,110P,100C	B10,11,12,25,10P,12P,10C E100,110,111,250,100P,110P,100C	B10,11,12,25,10P,12P,10C E100,110,111,250,100P,110P,100C	B20 E200,350 F12,20,30	B20 E200,350 F12,20,30	B10P,12P E100P,110P F12,20,30		B10C,20C E100C,200C	B10,11,12,20,25,10P,12P,10C,100,110,111,200,250,100P,110P,100C,F12,20,30	E750	B10D E100D
External & internal inner-edges	B30 E300	B30 E300	B30 E300	B32 E320	B32 E320	B30P			B30,32,30P E300,320		
Internal inner-edge	B60 E600,601	B60 E600,601	B60 E600,601						B60 E600,601		
Flat surface	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C C40,42,50,60 K10,20,D80	B50 E500C D80	B50 E500C C40,42,50,60 K10,20,D80		
Straight edge	B10,11,12,25,10P,12P,10C,E100,110,111,250,100P,110P,100C,H10 R10,20,30	B10,11,12,25,10P,12P,10C,E100,110,111,250,100P,110P,100C,H10 R10,20,30	B10,11,12,25,10P,12P,10C,E100,110,111,250,100P,110P,100C,H10 R10,20,30	B20 E200,350 R10	B20 E200,350 R10	B10P E100P,110P H10 R10,20,30		B10C,20C E100C,200C	B10,11,12,20,25,10P,12P,10C,100,110,111,200,250,100P,110P,100C,F12,20,30	E750	B10D E100D
Straight edges (both sides) "sheet"	B70 D80,82,85 H10 R10,20,30	B70 D80,82,85 H10 R10,20,30	B70 D80,82,85 H10 R10,20,30	B70 D80,82,85 H10 R10	B70 D80,82,85 H10 R10	B70 D80,82,85 H10 R10	B70 D80,82,85 H10 R10,20,30	B70 D80,82	B70 D80,82,85 H10 R10,20,30		
Inner surface "wall"	E700 C40,42,50,60	E700 C40,42,50,60	E700 C40,42,50,60	E720 C40,42,50,60	E720 C40,42,50,60	C40,42,50,60			E700,720 C40,42,50,60		
Straight edges (both sides) "channel"	G10,20,40C	G10,20,40C	G10,20,40C	G10,20,40C	G10,20,40C	G10,20,40C	G10,20,40C	G40C	G10,20,40C		
Straight corners	G30,30C	G30,30C	G30,30C	G30,30C	G30,30C	G30,30C	G30,30C	G30C	G30,30C		
Outer edge	L10, F26X	L10, F26X	L10, F26X	L10, F26X	L10, F26X	L10, F26X			L10, F26X		

## MANGO THE ULTIMATE DEBURRING TOOL

The engineers of the SHAVIV deburring tool, using advanced materials and ergonomic design, have produced a new handle which features unparalleled comfort, safety and high performance. The MANGO handle works with all SHAVIV blade holders and blades as well as the unique MANGO Adapter, designed to hold blades when you need an extra close grip.

## SERIES B ROTATIONAL DEBURRING WORKHORSE



	Order No.	Price
Set B	7700900	
Set B MANGO	7700902	

Model No.	Description	Order No.	Quantity	Price
B10	H.S.S. blade excellent for materials with spiral chips such as aluminium plastic, steels, etc.	7700010	10-90 100-190 200-490 500+	\$1.35 \$1.25 \$1.15 \$1.00
B20	H.S.S. blade ideal for brass, cast iron and other metals with a powdery chip. Can deburr in both clockwise and counterclockwise directions.	7700020		
B10-S	Cobalt - Stronger, wear resistant, longer lasting	7700110		

- For deburring of holes, slots and edges in metals and plastics
- Contains:  
Blades B10, B20, Blade Holder B and Handle A.
- Blades can be inserted on the axis of the blade holder or perpendicular to it. Minimum hole diameter 3.0mm (0.12").

Order No.	Price
7700950	



- Set B with aluminium handle for rugged, extra heavy duty jobs. Contains:  
Blades B10, B20, Blade Holder B and Aluminium Handle A.

Order No.	Price
7700500	



Blade Holder B

Order No.	Price
7705500	



Blade Holder M

Blade Holder M can take all B Series &amp; E Series Blades.

Model No.	Description	Order No.	Price
B10L	Left hand version of blade B10	7700103	
B10P	PVD Titanium Nitride Coated B10 for high wear conditions.	7700112	
B10PL	Left hand version of blade B10P.	7700104	
B10C*	Solid Carbide B10 for hardened steels (from HRC 38).	7700015	
B10D*	Diamond coated B10, used to break corners in hardened steel glass, plastic etc.	7700011	
B11	Excellent for aluminium, plastics and copper. Can deburr a minimum hole diameter of 2mm (0.08")	7700111	
B12	H.S.S. blade similar to the B10, with a shorter nose length.	7700012	
B12P	PVD Titanium Nitride coated B12 for high wear conditions.	7700212	

\*All blades sold in packs of 10 except those marked with a \*.



## SHAVIV THE ORIGINAL DEBURRING TOOLS

SERIES 434: (Continued)

## SERIES B ROTATIONAL DEBURRING WORKHORSE

(Continued)

Model No.	Description	Order No.	Price
B20P	PVD Titanium Nitride coated B20 for high wear conditions.	7700222	
B20C*	Solid Carbide B20 for hardened steels (from HRC 38).	7700025	
B25	Very thin, specially designed to deburr soft plastics.	7700026	
B25C*	Solid carbide B25 for abrasive plastics.	7700125	
B30	Hooked blade simultaneously removes both external and internal burrs from holes drilled into steel and plastics up to 4mm (0.16") thick.	7700030	
B30P	PVD Coated Titanium Nitride B30 for high wear conditions.	7700130	
B32	Like B30, specially designed for brass and cast iron. Can deburr in both clockwise and counterclockwise directions.	7700032	
B50*	Scriber, carbide tipped. Can be reground.	7700050	
B60	Can reach inside a wall up to 20mm (0.8") thick to remove internal burrs from slots or drilled holes.	7700060	
B70*	Carbide tipped deburring blade for sheet-metal up to 3mm (0.12") thick. Handguard 3G recommended.	7700070	

\*All blades sold in packs of 10 except those marked with a \*.

## GLO - BURR SERIES

Lightweight, friendly-to-use, easy-to-grip tool produced from reinforced engineering plastic. Supplied with pocket clip for greater convenience, clip also prevents tool from rolling on the worktable. Interchangeable blades. Removable cap for blade storage.



## SERIES GLO-BURR B

The new handy handle for all B blades. For light deburring of steels, aluminum and plastic. Interchangeable blades. Supplied with B10 blade.

Order No.	Price
7709610	

## SERIES GLO-BURR E

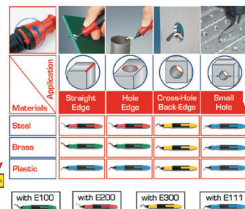
The new handy handle for all E heavy duty blades. For deburring of corners, edges, holes, slots and tubes. Interchangeable blades. Supplied with E100 blade.

Order No.	Price
7709620	

Handy-Kit 4E Item #: 3KSM4-PI  
A Tool 4 Every Deburring Job



1 package,  
4 different tools!



Order No.	Price
7709640	

## SERIES M - THE TWO IN ONE DEBURRING SET

- For deburring of holes; slots and edges in metals and plastics. Using regular duty (B) as well as heavy duty (E) deburring blades.
- Contains: Blades B10, B20, B30, E100, E200, E111, Blade Holder M and Handle A.

Order No.	Price
7708000	



Set M

Order No.	Price
7705500	



Blade Holder M

Two applications in one tool holder.  
Can take all B and E series blades.

## UNIBURR UB1

UNIBURR - A deburring tool of very low cost, disposable. UB1 carries non-replaceable E100 blade

Order No.	Price
7709600	



## UB2

UNIBURR - A deburring tool of very low cost, disposable. UB2 carries non-replaceable B10 blade

Order No.	Price
7709010	



## UB2000

Supplied with a replaceable B10 blade

Order No.	Price
7702010	



## MB2000

Supplied with a replaceable E100 blade

Order No.	Price
7702001	



## SERIES K THE INDUSTRIAL SURFACE SCRAPER

Order No.	Price
7708900	



Contains:

- Blade K10, Blade Holder K, Handle A & key.
- Designed to smooth surfaces and corners. With its pulling and pushing action, excellent for paint scraping.



Blade Holder K

Order No.	Price
7708950	



Model No.	Description	Order No.	Price
K10	Double Edge Carbide	7708910	



## SHAVIV THE ORIGINAL DEBURRING TOOLS

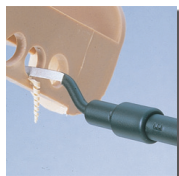
SERIES 434: (Continued)

## SERIES E THE HEAVY DUTY ROTATIONAL DEBURRING TOOL

The tool for heavy duty deburring of holes, slots, and edges.  
Contains Blades E100, E200, E300, Blade Holder E and Handle A

\* Minimum hole diameter 4.0mm (0.16")

\* All blades are High Speed Steel unless otherwise stated



	Order No.	Price
Set E	7703900	
Set E MANGO	7700905	

	Order No.	Price
E	7703500	
M	7705500	



Blade Holder E

Blade Holder M  
(Takes all B & E Series Blades.)

	Model No.	Description	Order No	Price
	E100	Excellent for materials with spiral chips such as aluminium, plastic steel, etc.	7703100	
	E100L	Left hand version of blade E100	7703102	
	E100C*	E100 - Carbide for hardened steels (from HRc 38)	7703009	
	E100CL*	Left hand version of blade E100C.	7703112	
	E100D*	Diamond Coated E100 Blade used to break corners in hardened steel, glass, carbide, etc.	7703101	
	E100P	PVD coated Titanium Nitride E100 for high wear conditions.	7703103	
	E100-S	Cobalt - Stronger, wear resistant, longer lasting	7703120	
	E110	The B10's cutting edge, on the larger "E" shaft. Can deburr a minimum hole dia. of 2mm (.08")	7703110	
	E110P	PVD coated Titanium Nitride E110 for high wear conditions.	7703115	
	E111	Excellent for aluminium, plastics and copper. Can deburr a minimum hole diameter of 1.5 mm (0.06").	7703111	
	E200	Ideal for brass, cast iron & other metals with a powdery chip. Can deburr in both clockwise and counterclockwise directions.	7703200	
	E200C*	E200 Carbide for hardened steels (from HRc 38)	7703201	
	E200P	PVD Coated Titanium Nitride E200 for high wear conditions	7703203	

\*All blades sold in packs of 10 except those marked with a \*

	Model No.	Description	Order No.	Price
	E300	Hooked blade simultaneously removes both external and internal burrs from holes drilled into steel and plastic up to 4mm (0.16") thick	7703300	
	E320	Like E300, specially designed for brass and cast iron. Can deburr in both clockwise and counterclockwise directions.	7703320	
	E350	Well suited for deburring straight edges, keyways etc.	7703350	
	E500C*	Carbide tipped scribe. Can be reground.	7703501	
	E600	Can reach inside a wall up to 20mm (0.8") thick to remove internal burrs.	7703600	
	E601	An even longer version of the E600 blade for wall thicknesses up to 40mm (1.6").	7703601	
	E700	Ideal for removing burrs from plastic workpieces. Also designed to deburr the inside circumference of a thick walled hole	7703700	
	E720	Like E700, specially designed for metal and plastics with powdery chips. Can deburr in both clockwise & counterclockwise directions.	7703720	
	E750	Blade specially designed for rubber deburring.	7703750	

### SET 1 (SHAVIV 1)

Order No.	Price
7707900	

With non-telescopic blade holder

Contains:

- Blades E100, E200, E300, Non-Telescopic blade holder Handle 1.
- Holds all "E" series blades. The blades proximity to the handle makes this the perfect tool for really tough jobs.

#### HANDLE A (Plastic)

Order No.	Price
7700000	
7699997 - Mango	

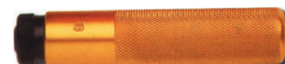


Accepts all blade holders.



#### HANDLE A (Aluminium)

Order No.	Price
7700005	



Accepts all blade holders.

#### HANDLE 1

Order No.	Price
7700001	



Accepts all E type blades.

#### HC-1

#### HANDY CHUCK PIN VISE

Order No.	Price
7709700	



#### 3G HANDGUARD

Stainless steel hand protector that fits all Vargus base holders. Slides into position and locks where required. Recommended for Sets D, G and H.



Order No.	Price
7699999	

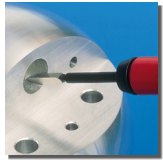




## SHAVIV THE ORIGINAL DEBURRING TOOLS

SERIES 434: (Continued)

## SERIES C - THE SCRAPER SET

Set C  
Set C  
MANGO

Order No.	Price
7701900	
7701905	

- Tools for quality finishing and scraping.

**Contains:**

- Blade C42, Blade Holder C, Handle A and a key.
- Triangular blade geometry provides 3 cutting edges to reach the most inaccessible locations.



Blade Holder C

Order No.	Price
7701500	



Model No.	Description	Order No.	Price
C40	H.S.S. small triangular scraper 4mm (0.16"). Excellent for delicate precision work. Precision ground after hardening.	7701040	
C42	H.S.S. standard triangular scraper 8mm (0.31"). Precision ground after hardening.	7701012	


**SERIES G3 TriRel -  
CLEANS CORNERS OF SLOTS AND TAKES CARE  
OF UNWANTED RADII**


Order No.	Price
7706033	

**Set G3 (TriRel) Contains:**

Blade G30C, Blade Holder G3, Handle and key.

- Designed to remove small radii left after machining, thereby enabling the flush mating of two components.
- The G3 blade holder provides easy access to the working area.

Blade Holder G3

Order No.	Price
7706023	



Model No.	Description	Order No.	Price
G30C	Solid Carbide G30 with 3 cutting corners.	7706031	

## SERIES D - FOR SHEET METAL

Set D  
Set D  
MANGO

Order No.	Price
7702900	
7702905	

**Contains:**

- Blade D80, Blade Holder D, Handle A and a key.
- Designed to deburr sheet metal up to 3mm (0.12") thick. Handguard 3G is recommended as an extra safety precaution.



Blade Holder D



Blade Holder D5

Order No.	Price
7702500	

Order No.	Price
7702585	



Model No.	Description	Order No.	Price
D80	Solid Carbide Blade used to deburr sheet metal up to 3mm (0.12") thick. Can be used to scraper flat surfaces. Six cutting edges.	7702080	
D82	Heavy duty double edged carbide blade for sheet metal deburring up to 8mm (0.31") thick.	7702082	
D85	Extra tough blade for deburring sheet metal up to 7mm (0.28") thick. H.S.S. blade has 6 cutting edges. A special chip breaker provides unique chip flow for improved cutting quality. Requires a D5 blade holder.	7702085	

**SERIES G - FOR SLOT DEBURRING**

Cleans the edges of slots and keyways



Order No.	Price
7705900	

**SET G Contains:**

- Blade G10, Blade Holder G, Handle and key.
- Designed to deburr keyways and slots. Can be used for both internal and external slots.

Order No.	Price
7706013	



Blade Holder G

Order No.	Price
7706014	



Blade Holder G4

(Recommended for external sets)



Model No.	Description	Order No.	Price
G10	Standard H.S.S blade for slots up to 15mm (0.6") wide.	7706011	
G20	H.S.S blade for narrower keyways and slots up to 10 mm (.4") wide.	7706012	
G40C	Carbide blade with 4 cutting corners for slots from 1mm (0.04") up to 10mm (0.4") wide.	7706040	



## SHAVIV THE ORIGINAL DEBURRING TOOLS

SERIES 434: (Continued)

### SERIES L "EXCALIBUR" THE EXTERNAL DEBURRER



#### Set L Contains:

Blade L10, Blade Holder L with metal roller, Handle A and key.

Order No.	Price
7708960	

#### Set LP Contains:

Blade L10, Blade Holder LP with plastic roller, Handle A and key.

Order No.	Price
7708965	

#### Set L5 Contains:

Blade L10, Blade Holder L5, Handle A and key.

Order No.	Price
7708975	

Order No.	Price
7708990	

#### Blade Holder L5



Order No.	Price
7708980	

#### Blade Holder LP



Order No.	Price
7708985	

#### Blade Holder L



Order No.	Price
7708970	

L10 H.S.S. Blade with 4 cutting edges.  
"A" side for materials with spiral chips.  
"B" side for materials with powdery chips

### SERIES F, FR HOLE DEBURRING & CHAMFERING TOOLS



#### SET FR Contains:

- Countersink tool F20, Blade holder FR and Handle A.
- Ratchet mechanism makes countersinking a breeze.
- Great where normal rotational deburring is impossible.

#### SET F Contains:

- Countersink tool F20, Blade holder F and Handle A.
- For regular non-repetitive deburring.



#### Blade Holder F



#### Blade Holder FR

#### SET FR

Order No.	Price
7704950	

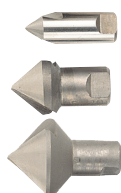
#### SET F Set F MANGO

Order No.	Price
7704900	
7704905	

Order No.	Price
7704500	

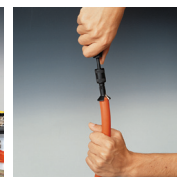
Order No.	Price
7704600	

The H.S.S. countersinks are available in three different diameters



Model No.	Description	Order No.	Price
F12	12mm (0.5") Countersink	7704012	
F20	20mm (0.75") Countersink	7704020	
F30	30mm (1.25") Countersink	7704030	

### "BURR-EX" FOR EXTERNAL DEBURRING OF TUBES AND CYLINDERS



For external deburring up to 26mm. Excellent for pipes and tubes. Gives smooth finish on external round workpieces, on a variety of materials. Effective on both wide and limited work areas. Easy to use with SHAVIV FR Blade Holder.

Set Contains: Blade holder FR, Blade Burr-Ex and Handle A.



Order No.	Price
7704970	

#### Set



Order No.	Price
7704600	

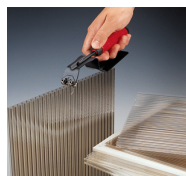
#### FR Blade Holder



Order No.	Price
7704975	

#### Burr-Ex Blade F26X

### "BURR-BI" FOR DEBURRING OF HEAVY DUTY MATERIALS



The two-insert tool for double-edge deburring on heavy duty materials. Stays sharper longer, and can be used repeatedly. Supplied with a built-in hand guard for worker safety. For all thicknesses up to 14mm (0.56").

#### Burr-Bi SET



This set contains: Blade holder Burr-Bi, 2 universal blades R10, Handle A and key. Blades can be positioned in 2 ways for single and double straight edges.



#### Burr-Bi Blade holder

Order No.	Price
7706901	

Order No.	Price
7706905	



#### R10

#### Side A

Order No.	Price
7706910	



#### Side B

**Side A:** Deburrs steel, aluminium, stainless steel and hard metals.

**Side B:** Deburrs brass and plastics.

HSS double sided, round, universal blade with unique cutting angle.

Order No.	Price
7706920	

#### R20



HSS double - edged special angled blade for massive deburring tasks on: steel aluminium, stainless steel and hard metals.

#### R30



Square blade for producing arc shaped finish. Has unique cutting angle for hard material with spiral chips. Suitable for:

**Single Straight edge** steel, aluminum, brass, hard metal and stainless steel

**Double Straight edges** steel, aluminum, hard metal and stainless steel. Deburrs up to 16 mm (0.63") thick.

Order No.	Price
7706930	



## SHAVIV THE ORIGINAL DEBURRING TOOLS

SERIES 434: (Continued)

### Mango KPC Kit

Item #: 3KPC-VIP

The Favorite 5



Five top deburring sets, provided in one kit. Each set comes with the No. 1 ergonomic Mango Handle.

Kit contains:

- Set B: The Workhorse Mango Adapter B for extra-close deburring
- Set C: The Scraper
- Set D: The Sheet Cleaner
- Set E: The Heavy DeBurr Set + Mango Adapter E for extra-close deburring
- Set F: The Countersink



Order No.	Price
7700906	

### KIT KPA Plastic Deburring Kit



KPA kit contains the following tools:  
Universal Handle A, UB38 deburring tool,  
Holders: B, E, G3, LP Blades: B12, B25,  
E110, E700, G30, L10

Order No.	Price
4340001	

### TD KIT - MINIATURE DEBURRING & SCRAPING TOOLS



Order No.	Price
7709900	

- Deburring and finishing tools for dies & molds.

### KIT KPC2

Time Saving Deburring Kit



The kit contains 5 standard sets:

- B - Rotational deburring workhorse
- C - The perfect set for scraping jobs
- D - For sheet metal deburring
- E - Heavy duty rotational deburring
- F - For easy deburring and chamfering of holes

Order No.	Price
7709500	

### KIT KWC

Universal Deburring Kit



Includes: Handle A, Holders: B,C,D,E,F  
Blades: B10, B20, B30, B50, B70, C40, C42, D80, E100, E200, E300, E350, E600 and F20

Model	Description	Order No.	Price
KWC	Kit in wooden case	7709000	
KWC 2	Kit in plastic case	4340002	



Model No.	Description	Order No.	Price
UF1	Flat diamond coated file	7709901	
US1	Triangular scraper	7709902	
US2	Flat Scraper	7709903	
US3	Round scraper	7709904	
US4	Hooked corner scraper	7709905	
UB34**	The UB38 with a shorter handle. Minimum hole diameter 2mm (0.08")	7709834	
UB38**	Miniature rotational deburring tool with a small handle. Minimum hole dia. 2mm (0.08")	7709838	

\*\*Sold together as Set UBS.

Set Order No. 7709800 Price:

### SERIES HC - 5

#### HANDY CHUCK PIN VISE SET



Order No.	Price
7709705	

Contains: • HC-1 Chuck\*, C50 Blade

- Pin Vise versatility combined with high quality hollow ground scrapers.

#### FEATURES:

- Holds small files, drills, reamers, taps and countersink tools.
- Holds small wire brushes.
- Holds small polishing stones.
- Holds parts too small for hand holding.

Model No. C50



.30" (120 mm) Long

Model No. C60



.19" (80 mm) Long

Order No.	Price
7709750	
Order No.	Price
7709760	

### SERIES U - FOR FINE FINISH ON PRECISION WORKPIECES.

You need only one holder for interchangeable scrapers. 3 scrapers for hard to reach places - on surfaces, in slots, in holes & on gates.

#### Contains:

Scrapers BUS1, BUS31, BUS4, Holder U for non-rotating deburring, Plastic Handle A

Order No.	Price
7706000	

Order No.	Price
7706500	



Blade Holder U

Description	Order No.	Price
BUS1 Triangular Scraper	7706001	
BUS2 Flat Scraper	7706002	
BUS31 Round Scraper	7706003	
BUS4 Hooked corner scraper	7706004	

\*Adjustable holder for objects 1-8mm (0.4"-3.15") diameter. Widely used in repair and assembly of a wide range of small industrial appliances and miniaturized electronic equipment.





## DEBURRING TOOLS

SERIES: 716



### TOOLS

#### CERA-CUT TOOL

CR1100

Includes: Ceramic blade mounted in a modified soft grip handle. The blade is not replaceable. Ideal for deburring of all plastics and other soft materials. Extremely long life.



#### LIZA BURR

LB1000 - Includes: Uni-Handle, SN holder, N1 & N2 (B10 & B20) blades. Double sided blade holder to utilize both light duty "N" series and heavy duty "S" series blades. Telescopes from 20 to 110mm. Our most versatile unit. Blades stored inside the handle. Handle has lifetime guarantee.



#### NOGA BURR 3

NB3000 - Includes: NB handle and S10 (E100), S20 (E200), S35 (E350) blades. All "S" (E) blades mount directly into handle with press of safety button. Blade storage in handle. Handle has lifetime guarantee.



#### NOGA BURR 5

NB5000 - Includes NB handle and S10 (E100), S20 (E200), S35 (E350), S101 (E101), S202 (E102) blades. All "S" (E) blades mount directly into handle with press of safety button. Blade storage in handle.



#### EDGE OFF

EO1000 - Non removable S10 (E100) blade mounted in an 8mm hexagonal painted aluminum handle and pocket clip.



#### PLASTIC EDGE OFF

EO2000 - Includes S10 (E100) blade and plastic handle. Handle has rotating locking function to allow replacement of blade. Accepts all "S" (E) series blades.



#### TEDDY BURR

TB1000 - Includes: N1 (B10) blade, 8mm hexagonal painted aluminum handle and pocket clip. Will accept all "N" (B) series blades which can be replaced by putting sleeve back and taking blade out.



#### RAPID BURR

RB1000 - Includes S10 blade, 12mm hexagonal painted aluminum handle. Will accept all "S" (E) series blades which are replaced by pulling sleeve back into handle and taking blade out.



#### DOUBLE BURR

DB1000 - Simultaneously removes burrs from both sides of sheet metal. Range 0-12mm. Hand guard for safety. Includes Double Burr, hand guard and 2 N80 blades.



#### EXTERNAL ROTODRIVE

RD4000 - Includes NB Handle. External Roto-Drive Countersink. Chamfer the O.D. on bars and tubes. Quickest way to chamfer O.D. on almost all materials. Range: 4-18mm



#### SCRAPER

SC1000 - Includes Uni-handle. Double ended triangular scraper T-120. Has two sharp triangular ends for double tool life. Hollow ground. Can be locked in required position.



#### MINI SCRAPER

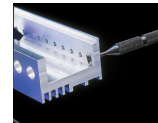
MS1000 - Includes: Uni-handle. D-norner, triangular mini-scraper D50. Hollow ground.



#### MINI REVERSIBLE COUNTERSINKS

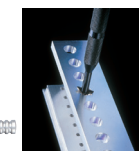
RC 1000 -

Includes: Steel handle and small blade R1. Very fine tool for deburring both back side and front side of holes. Unique 2 pairs of cutting edges. Cuts in both clockwise and counter-clockwise directions. Blade has two working positions. Range 3-5.5mm



#### REVERSIBLE COUNTERSINK

RC 2000 - Includes: Steel handle and small blade R2. Similar to RC1000, only larger. Range: 5-10mm



### HANDLES

#### UNI HANDLE

UH 1000 - Can hold the total range of NOGA blade holders. Lifetime guarantee.



#### RB HANDLE

RB 1600 - Hexagonal aluminum 12mm handle. Holds all "S" (E) series blades.



#### NB HANDLE

NB1000 - Better grip. Large storage space for spare blades. Safety button for quick change of blades.



### BLADE HOLDERS

#### SN BLADE HOLDER

SN 1000 - Double headed telescoping blade holder which holds "S" (E) blades and "N" (B) blades. THE BEST HOLDER.



#### C BLADE HOLDER

CH 1000 - Hexagonal cross section to prevent rotation inside handle. External M-7 thread accepts all 3 countersinks C12, C20, C30.



#### D BLADE HOLDER

DH 1000 - Designed to hold D-50 and D-55 scraper blades.



Model No.	Order No.	Price
CR1100	9160005	
LB1000	9160010	
NB3000	9160015	
NB5000	7160021	
EO1000	7160026	
EO2000	7160031	
TB1000	7160036	
RB1000	7160041	
DB1000	9160045	
RD4000	7160050	

Model No.	Order No.	Price
SC1000	7160055	
MS1000	7160060	
RC1000	7160065	
RC2000	7160070	
UH1000	7160075	
RB1600	7160080	
NB1000	7160085	
SN1000	7160090	
CH1000	7160095	
DH1000	7160100	



## DEBURRING TOOLS

SERIES: 716



### BLADES

#### N1 Blade / B10 Blade

Most suitable for aluminum, plastic and steel.



#### N1 TiN Blade / B10P Blade

Tin coating for longer blade life.



#### N2 Blade / B20 Blade

Suitable for brass and cast iron. Right/Left hand users.



#### N3 Blade / B30 Blade

Drilled into tubing or sheet metal. Maximum thickness 4.5mm.



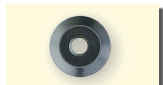
#### N10 Blade / B10 Cobalt

Most suitable for stainless steel, copper & aluminum.



#### N10P Blade / E100 Cobalt Blade.

Most suitable for steel, copper, PVC & aluminum.



#### N80 Blade

Cut along full circumference of each face.



#### S10 Blade / E100 Blade

For heavy cuts on aluminum, plastic & steel.



#### S20 Blade / E200 Blade

For heavy cuts on brass and cast iron. Right/left hand users.



#### S30 Blade / E300 Blade

Heavy duty blade simultaneously removes external and internal burrs from holes drilled into tubing or sheet metal. Maximum thickness 7mm.



#### S35 Blade / E350 Blade

Most suitable for deburring straight edges. Most suitable for brass & cast iron.



#### S100 Blade / E100 Blade

Most suitable for stainless steel.



#### S150 Blade / E111 Blade

Simultaneously removes external and internal burrs from holes. Most suitable for stainless steel.

#### D50 Blade

Mini scraper blade. Also available in carbide.



#### D55 Blade

Internal scraper blade. Most suitable for cross holes.



Model No.	Order No.	Price
N1	7160106	
N1 TiN	7160107	
N2	7160110	
N3	7160115	
N10	7160120	
N10P	7160125	
N80	7160131	
S10/E100	7160135	
S20/E200	7160140	
S30/E300	7160145	
S35/E350	7160150	
S100/E108	7160155	
S150/E111	7160160	
D50	7160165	
D55	7160170	

### SETS

#### NOGA - BOX

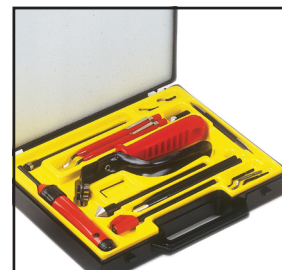
##### NX 1000

Designed to meet the total requirements of tool and die makers and deburring specialists.

**Includes:** Keyway Burr, 2 Pcs Edge Off, Double Burr, D-Key, Uni-Handle, SN Holder, C Holder + C20 and C12 countersinks, D Holder + D50 + D66 scrapers, L Holder, with L1 blade for corner cleaning, N1 (B10), N2 (B20), S10 (E100), S101 (E101), S20 (E200) blades, 1.5mm Hex Key.

Order No. 7160175

Price



#### UNIKIT STANDARD

##### UK1000

Most economical deburring set for all machinists.

**Includes:** Uni-Handle, + SN blade-holder, C blade holder + C20 Countersink, T120 scraper, Swivel Blades N1, N2, S10, S20, S30 and S101.

Order No. 7160180

Price



#### UNIKIT EXTRA

##### UK3000

Most complete kit for professional machinists.

**Includes:** Uni-Handle, + SN blade-holder, D blade holder + D50 Scraper, D blade holder & D66 Scraper, L Blade-Holder (Include L1 blade), C Blade-holder + C20 and C12 Countersinks, T-120 Scraper, Swivel Blades N1, N2, S10, S20, S30, S101, 1.5mm Hex Key

Order No. 7160185

Price



#### SOFT GRIP SET

##### SG2001

**Includes:**

SG Handle.

N10 Blade

(10 Pcs. in box + 1 Pc. inside SG handle).

S100 Blade

(10 Pcs. in box + 1 Pc. inside SG handle).

Order No. 7160190

Price



#### NB ECONOMICAL SET

##### NB1900

**Includes:**

NB Handle.

S10 Blade (10 Pcs).

Available with S20 or S100 blade upon request.

Order No. 7160195

Price

