



SHAVIV

Leading Deburring Solutions

vargus
NEUMO Ehrenberg Group

www.shaviv.com

COMPANY PROFILE

VARGUS is a world leading developer, manufacturer, and supplier of high-quality, precision threading, grooving, turning and hand deburring tools and has been at the forefront of the tooling industry for more than **60 years**.



Established in 1960, **VARGUS** is the cutting tools division of the **NEUMO Ehrenberg Group**, a multinational organization headquartered in Germany.

The **NEUMO Ehrenberg Group** is one of Europe's largest privately owned manufacturers and distributors of industrial stainless steel products, stainless steel flow equipment and metal cutting tools. A customer-focused organization, **VARGUS Ltd.** is committed to providing products and solutions of the highest quality and excellent value, and is renowned for its technical expertise and uncompromising service.



The company's major product lines are:

VARDEX

for Thread Turning, Thread Milling, Tapping, Whirling & Gear Milling solutions.

GROOVEX

provides a wide range of internal and external grooving, parting off, boring and turning applications.

SHAVIV

is a world leader in hand-deburring solutions for a wide range of materials, and now includes the SV-BURR line of premium carbide burrs.

Elevate Your Machining Efficiency with VARGUS's NEW V-Mill and V-Drill Series

V-MILL

The V-MILL solid carbide line, designed to exceed machining standards with unparalleled efficiency and precision.

V-DRILL

The cutting-edge V-DRILL product line of high-performance solid carbide drills, specially designed for the Medical and Miniature industries.

SHAVIV

SV-Burr

Premium Carbide Burrs



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SHAVIV GENIus



09 Blades



21 Blade Holders



25 Handles



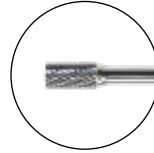
29 Sets

Long-Reach
Extra-Close
Ceramic Tools
TiN Coated Sets
Bonus Packs
Compact Sets
Pipe Cleaners



51 Kits

Premium Kits
Multi-Purpose Kits
Professional Series
Specialized Kits



61 Features & Benefits



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Ordering Code System

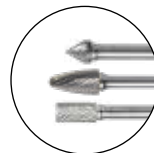


63 Recommendations & Applications

Speed Range
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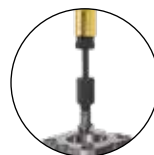
64 Speed Guide



65 SV-Burr Tools



77 Troubleshooting



78 Safety Precautions

Since 1960, **SHAVIV** hand deburring ergonomic tools have been offering the widest range of easy to use solutions to customers across several sectors including Hand Tools, DIY, Abrasives, Metal Cutting Tools, etc.

SHAVIV tools are renowned for providing "the finishing touch" in applications such as hole edges, straight edges, flat surfaces, keyways and corners.

Hand deburring allows for greater flexibility and effectively deburrs areas that may be difficult for machines to access, offering valuable and cost-effective solutions to production.



The new **SV Burr line** of premium tungsten carbide burrs provides up to three times greater strength over high-speed steel burrs along with vastly improved performance for extreme deburring applications. The SV Burrs excel at maintaining a sharp edge even under heavy loads and high temperatures. **The SV Burr line** features over a dozen distinct geometric designs to handle any deburring application. Options include cylindrical, radius, ball, oval, inverted cone, tree, flame, cone, and radius cone shapes among others.

SHAVIV blades and chamfers are available in a variety of types of materials – HSS, cobalt enriched, carbide, and diamond coated – as well as a choice of popular blades for left-handed users. This vast selection also contains cost-effective TiN (titanium nitride) coated blades, which offer up to five times the life of standard, non-coated blades.

SHAVIV tools are available as individual components, combination sets and complete kits based on application, profession, and materials.

Each geometry provides an optimized cutting shape for different materials and operations.

Typical applications for **the SV Burr** premium carbide burrs include metal working, tool and die making, jewelry, engineering, deburring, grinding, welding, wood carving, casting, sculpting, and cylinder head porting. They are designed for both manual use as well as CNC machining operations.

The SV Burr line meets the needs of customers working with a range of popular materials like stainless steel, steel alloys, and cast iron.

For more information, see page 61.

Advantages of Hand Deburring

01

Solutions for a wide range of applications

03

Safe

05

No set-up time

07

Simple and professional

02

Accurate

04

Cost effective

06

Monitored quality control

APPLICATIONS GUIDE

Hand deburring enables greater flexibility with varying geometries and surfaces which can be used on a wide range of materials. Whether the application you need to perform is internal or external, straight or round edges and components, flat surfaces, or thick or thin walls, large or small holes, there's a **SHAVIV** tool to get the job done.

See the Blade Index to identify your application and workpiece material to find the most suitable blade for your deburring project.

Refer to the user-friendly **SHAVIV GENius** to find the best and most appropriate **SHAVIV** tool set to complete the task in just a few simple steps.

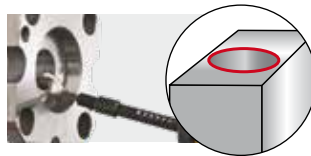
Straight Edge

For Sets: [B](#), [C](#), [E](#), [HC](#), [M](#), [1](#), [Burr-Bi](#)



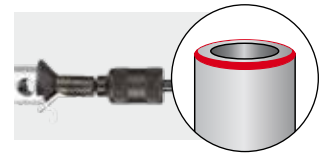
Hole Edge

For Sets: [B](#), [C](#), [E](#), [F](#), [FR](#), [HC](#), [M](#), [U](#), [1](#), [Rotoburr](#)



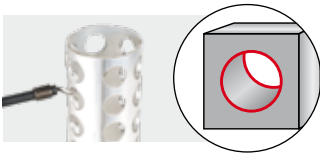
Outer Edge

For Sets: [Burr-Ex](#), [L](#)



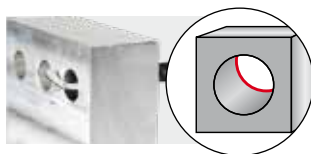
Cross-Hole Both Edge

For Sets: [E](#), [M](#), [1](#)



Hole Back-Edge

For Sets: [E](#), [HC](#), [U](#)



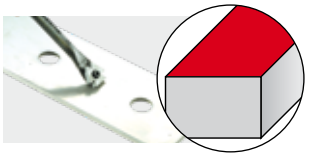
Hole Inner Surface

For Sets: [C](#), [HC](#), [U](#)



Flat Surface

For Sets: [C](#), [D](#), [HC](#), [U](#)



Sheets

For Sets: [D](#), [Burr-Bi](#)



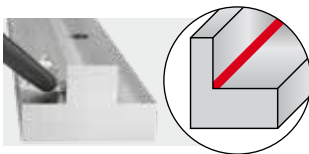
Slot / Keyways

For Set: [G](#)



Inner Straight Corners

For Set: [G3](#)



Inner Edge

[Plum-Burr](#)



Mold Gate Trim

[Cera-Burr](#)



INDUSTRIES AND MATERIALS

SHAVIV hand deburring tools are widely used and extremely useful across various industrial sectors.



Metal



Electrical



Plastic



Automotive



Die & Mold



Plumbing



Aviation

They can be used on a wide range of materials including metals, plastics, and composites, allowing versatile solutions for industries and production.



Steel



Aluminum



Copper



Brass



Cast Iron



Stainless Steel



Hardened Steel



Plastics



Glass



Wood



Hand Deburring Made Even Easier World's 1st Hand Deburring Tool Selector

The **SHAVIV GENIUS™** web app lets the user easily navigate and choose the correct hand deburring solution based on the application and material required.





BLADES

HSS

Excellent for most types of materials



COBALT (s)

Best for stainless steel
5% Cobalt enriched for longer life



CARBIDE (c)

Best for hardened steel and cast iron



TiN COATED (P)

Titanium Nitride significantly increases HSS blade life



DIAMOND (D)

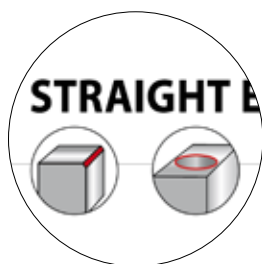
For glass and carbide work pieces



FINDING THE RIGHT BLADE

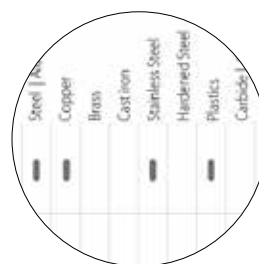
STEP 01

Choose Your Application



STEP 02

Find Your Workpiece Material



STEP 03

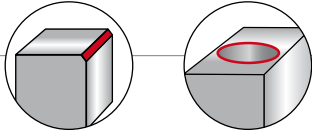
Select The Best Blade For Your Job*



* Blade work directions shown according to arrows:

Note: All B Blades have Ø2.6 mm
All E blades have Ø3.2 mm

STRAIGHT EDGE | HOLE EDGE (B, E)



Material

Blade

Item No.

Description

Actual Size

Steel | Aluminium
Copper
Brass
Cast iron
Stainless Steel
Hardened Steel
Plastics
Carbide | Glass
Wood

B1

151-29215

Tough, long-life cobalt blade. N1 geometry.



Steel

Aluminium

Copper

Brass

Cast iron

Stainless Steel

Hardened Steel

Plastics

Carbide | Glass

Wood

B-N1

151-29207

HSS. N1 geometry.



B10

151-29212

HSS. Deburs materials with spiral chips. Bulk pack available.



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 wear resistance. 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. Deburs holes with min. diameter 2 mm (.08").



B11P

151-00120

PVD TiN coated for high wear resistance. B11 geometry.



B12

151-29016

Short-nosed, HSS.
























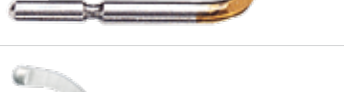




B12P

151-19017

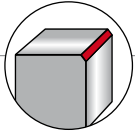
Short-nosed, PVD TiN coated for high wear resistance.



G R O U P

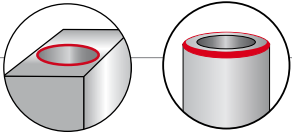
Blade	Item No.	Description	Actual Size	Material											
				Steel	Aluminium	Copper	Brass	Cast iron	Stainless Steel	Hardened Steel	Plastics	Carbide	Glass	Wood	
B20 	151-19019	HSS. Rotates clockwise & counterclockwise.					■	■					■	■	
B20C 	151-19020	Solid carbide. Rotates clockwise & counterclockwise.					■	■	■				■	■	■
B20P 	151-29021	PVD TiN coated for high wear resistance. Rotates clockwise & counterclockwise.					■	■	■				■	■	■
B25 	151-29022	Thin-nosed. Specially designed for plastics.		■	■								■		
B25C 	151-29110	Solid carbide, thin-nosed. Specially designed for plastics.		■	■								■		
E100 	151-29034	Heavy-duty HSS. Deburs 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 wear resistance. 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. Deburs holes with min. diameter 2 mm (.08").		■	■								■	■	

STRAIGHT EDGE (E, L, R, Q)



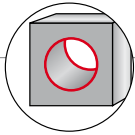
Blade	Item No.	Description	Actual Size	Material											
				Steel Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide Glass	Wood			
E755 ←	151-29085	HSS for deburring corner-edges of 1 mm (.04") high steps.		■	■	■	■	■		■					
L10 ←	151-29063	HSS, 4 cutting edges. Removes burrs from external edges, OD 20 mm (.78") and up. "A" side deburrs materials with spiral chips; "B" side for powdery chips.		■ A	■ A	■ B	■ B	■ A			■ AB		■ B		
R10 ←	151-29141	Double-sided, round HSS blade. "A" side deburrs materials with spiral chips; "B" side for powdery chips.		■ A	■ A	■ B	■ B	■ A			■ AB		■ 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 16 mm (.63") thick. Use a single R30 for one straight edge, or two blades at once to deburr both edges simultaneously.											■		■
Q10 ↔	151-29236	Double-sided deburring ceramic blade.												■	■
Q11 ↔	151-00132	Double-sided deburring. Curved ceramic blade for curved edges and small ridges.												■	■

HOLE EDGE | OUTER EDGE (E, F, L)



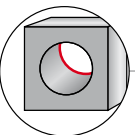
Blade	Item No.	Description	Actual Size	Material													
				Steel	Aluminium	Copper	Brass	Cast iron	Stainless Steel	Hardened Steel	Plastics	Carbide	Glass	Wood			
E707 	151-29232	Contour Cleaner.		■	■	■	■	■	■	■	■						
F12 	151-29049	Countersink for hole-edges with up to 12 mm (.47") diameter.		■	■	■	■	■	■		■						
F20 	151-29050	Countersink for hole-edges with up to 20 mm (.78") diameter.		■	■	■	■	■	■		■						
F30 	151-29051	Countersink for hole-edges with up to 30 mm (1.18") diameter.		■	■	■	■	■	■		■						
F12P 	151-00159	PVD TiN coated for high wear resistance. Countersink for hole-edges with up to 12 mm (.47") diameter.		■	■	■	■	■	■		■						
F20P 	151-00160	PVD TiN coated for high wear resistance. Countersink for hole-edges with up to 20 mm (.78") diameter.		■	■	■	■	■	■		■						
F30P 	151-00161	PVD TiN coated for high wear resistance. Countersink for hole-edges with up to 30 mm (1.18") diameter.		■	■	■	■	■	■		■						
F26X 	151-29147	Excellent for external chamfering of pipes, tubes and other items with up to 26 mm (1.02") diameter.		■	■	■	■	■	■		■						
L10 	151-29063	HSS, 4 cutting edges. Removes burrs from external edges, OD 20 mm (.78") and up. "A" side deburrs materials with spiral chips; "B" side for powdery chips.	 	■ A	■ A	■ B	■ B	■ A			■ AB					■ B	

CROSS-HOLE BOTH EDGES (B, E)



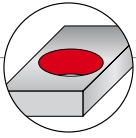
Blade	Item No.	Description	Actual Size	Material											
				Steel Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide Glass	Wood			
B30	151-29023	Simultaneously deburrs the inside and outside of holes up to 4 mm (.16") thick.		■	■	■	■	■		■					
B30P	151-29024	PVD TiN coated for high wear resistance. B30 geometry.		■	■	■	■	■		■					■
B32	151-29025	Rotates clockwise & counterclockwise. B30 geometry.		■	■	■	■	■		■					■
E300	151-29042	HSS for materials with spiral chips. Simultaneously deburrs the inside and outside of holes up to 6 mm (.24") thick.		■	■										
E300P	151-29227	PVD TiN coated for high wear resistance. E300 geometry.		■	■			■		■					
E320	151-29043	HSS for materials with powdery chips. Simultaneously deburrs the inside and outside of holes up to 6 mm (.24") thick. Rotates clockwise & counterclockwise.						■	■		■				■

HOLE BACK-EDGE (B, E)



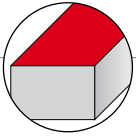
Blade	Item No.	Description	Actual Size	Material											
				Steel Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide Glass	Wood			
B60	151-29027	Standard HSS blade to remove burrs from back edge of holes up to 15 mm (.59") thick.		■	■							■			
E600	151-29045	Heavy duty HSS blade to remove burrs from back edge of holes up to 20 mm (.78") thick.		■	■							■			
E601	151-29046	Extra-long HSS. Removes burrs from back-edges of holes up to 40 mm (1.57") thick.		■	■							■			
E604	151-29231	Cross-hole, back-edge with short nose.		■	■							■			

HOLE INNER SURFACE (C, E, BUS)



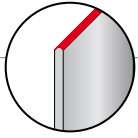
Blade	Item No.	Description	Actual Size	Material								
				Steel Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide Glass	Wood
C40 	151-29029	Small, 4 mm (.16"), triangular HSS scraper for precision work.		■	■	■	■	■		■		
C42 	151-29030	Standard size, 8 mm (.31"), triangular HSS scraper.		■	■	■	■	■		■	■	
C50 	151-29117	Double-sided, 7.8 mm (.30"), triangular scraper.		■	■	■	■	■		■	■	
C60 	151-29118	Double-sided, 4.8 mm (.19"), triangular scraper.		■	■	■	■	■		■	■	
E400 	151-29233	Mini triangular scraper.		■	■	■	■	■		■	■	
E700 	151-29047	HSS for materials with spiral chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes.		■	■					■		
E720 	151-29048	HSS for materials with powdery chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. Rotates clockwise & counterclockwise.				■	■			■	■	
BUS1 	151-29195	Fine-finishing triangular scraper.		■	■	■	■	■		■	■	

FLAT SURFACE (B, C, D, E, Q, BUS)



Blade	Item No.	Description	Actual Size	Material																		
				Steel	Aluminium	Copper	Brass	Cast iron	Stainless Steel	Hardened Steel	Plastics	Carbide	Glass	Wood								
B50C 	151-29026	Carbide tipped scriber. Can be reground.		■	■	■	■	■	■	■	■	■	■									
C40 	151-29029	Small, 4 mm (.16"), triangular HSS scraper for precision work.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
C42 	151-29030	Standard size, 8 mm (.31"), triangular HSS scraper.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
C50 	151-29117	Double-sided, 7.8 mm (.30"), triangular scraper.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
C60 	151-29118	Double-sided, 4.8 mm (.19"), triangular scraper.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
D80C 	151-29031	Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheet metal up to 3 mm (0.12") thick.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
E400 	151-29233	Mini triangular scraper.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
E500C 	151-29111	Carbide tipped scriber. Can be reground.		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
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.																			■	■

SHEETS (B, D, E, R)



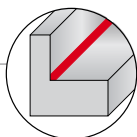
Blade	Item No.	Description	Actual Size	Material											
				Steel Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide Glass	Wood			
B70 →	151-29028	Carbide tipped. Deburrs up to 3.5 mm (.14") thick.		■	■	■	■	■	■	■					
D80C ←	151-29031	Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheet metal up to 3 mm (.12") thick.		■	■	■	■	■			■				■
D82C ↔	151-29032	Heavy-duty, double-edged carbide blade. Deburrs sheet metal up to 9 mm (.35") thick.		■	■	■	■	■	■	■					■
D85 ↔	151-29033	Tough HSS with chipbreaker and 6 cutting edges. Deburrs sheet metal up to 6 mm (.24") thick.		■	■	■							■		
E755 ←	151-29085	HSS for deburring corner-edges of 1 mm (.04") high steps.		■	■	■	■	■					■		
R10 ←	151-29141	Double-sided, round HSS blade. "A" side deburrs materials with spiral chips; "B" side for powdery chips.		■	■	■	■	■					■	■	■
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 16 mm (.63") thick. Use a single R30 for one straight edge, or two blades at once to deburr both edges simultaneously.												■	■

SLOT, KEYWAYS (G)



				Material										
Blade	Item No.	Description	Actual Size	Steel	Aluminium	Copper	Brass	Cast iron	Stainless Steel	Hardened Steel	Plastics	Carbide	Glass	Wood
G10 ←	151-29052	HSS. Deburrs slots up to 15 mm (.6") wide.		■	■	■	■	■	■	■	■			
G20 ←	151-29053	HSS, 4 cutting corners. For slots up to 10 mm (.4") wide.		■	■	■	■	■	■	■	■			
G40 ←	151-29103	Carbide, 4 cutting corners. For slots up to 10 mm (.4") wide.		■	■	■	■	■	■	■	■			

INNER STRAIGHT CORNERS (G)



				Material										
Blade	Item No.	Description	Actual Size	Steel	Aluminium	Copper	Brass	Cast iron	Stainless Steel	Hardened Steel	Plastics	Carbide	Glass	Wood
G30C ←	151-29115	Solid carbide, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces.		■	■	■	■	■	■	■	■			



BLADE HOLDERS

Blade Holder B

For all B blades

Item No. : 153-29000



Blade Holder E

For all E blades

Item No. : 153-29004



Blade Holder M

For both B- or E-series blades

Item No. : 153-29138



Blade Holder C

For C40 & C42 blades

Item No. : 153-29001



Blade Holder D

For D80C & D82C blades

Item No. : 153-29002



Blade Holder D5

For D85 blade

Item No. : 153-29003



BLADE HOLDERS

Blade Holder F

For all F blades

Item No. : 153-29005



Blade Holder FR

Ratchet holder for all F blades

Item No. : 153-29006



Blade Holder Rotoburr

Holds all F blades

Item No. : 153-00036



Blade Holder BURR-BI BR

Holds all R blades

Item No. : 153-29139



Blade Holder U

For all BUS blades

Item No. : 153-29121



Blade Holder L

For the L10 blade

Item No. : 153-29010



Blade Holder G

Holds G10, G20 & G40C blades.

Item No. : 153-29007



Blade Holder G3

Angled to offer easy access to work area. Holds G30C blades

Item No. : 153-29094



Blade Holder G4

Angled to offer easy access to work area. Holds G10, G20 & G40C blades

Item No. : 153-29102



01

Gives you a safe distance
between the operator and
the material

02

Simplified
Marked with letters according
to blade type

03

Easy to operate
Just pull down the sleeve on the
handle and insert the blade
to the desired length



HANDLES

Assorted handles to provide the best grip for flexibility and precision

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.

Item No. : 152-00019



Mango II 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 Item No. : 152-00009

Mango II E Item 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.

Item No. : 152-00013



HANDLES

Classic Handle

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

Item No. : 152-00003



Aluminum Handle

Classic universal handle heavy-duty aluminum version.

Item No. : 152-00005



Handle 1

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

Item No. : 152-00026



HandyChuck Pin Vise

Holds small files, drills, reamers, taps, mold polishing stones, wires, countersinks, etc.
Grips objects with 1 mm (.04") to 8 mm (.32") diameter. Can be used with C50 & C60 scrapers.
Useful for repairing and assembling watches, electrical appliances & miniature electronic equipment.

Item No. : 155- 29057



Leading-edge quality features



• **With its unique design**, the Mango II handles let you get the grip you want for the job at hand:
Long-reach The telescopic holders allow you to adjust the length and get to the most difficult-to-reach spots, quickly and effortlessly.



Extra-close The B-and E-series blade adapters with safety lock for blade replacement enable you to get right up to the workpiece and give you the truly close grip you need for really tough jobs.



• **From texture to geometry**, the Mango II handles are designed for unsurpassed quality. Advanced materials were chosen for low weight and at the same time, for strength and durability. The contoured shape and robust materials not only give you the strong safe grip required for heavy-duty applications, but also improve comfort and productivity. Mango II handles are produced with recyclable materials that are friendly to the environment and to the sensitive surface of your skin.

• **Mango II handles are designed** with an improved ergonomic end cap for safety, providing a most comfortable grip, even when applying force to clean stubborn burrs. Sockets included for convenient blade storage.
- 2 sockets for B Blades (Set B)
- 3 sockets for E Blades (Set E)



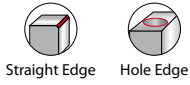


LONG-REACH SETS

Long-reach sets are made up of blades, holders and handles. Sets available with optional handles.

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.



B10

B



B20

Handle: Mango II | **Holder:** B | **Blades:** B10, B20 | **Item No. :** 155-90056

SHAVIV Set B Aluminum



Handle: Aluminum | **Item No. :** 155-29066

SHAVIV Set B



Handle: Classic | **Item No. :** 155-29065

Mango II Set E

Heavy DeBurr



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



E100

E



E200



E300

Handle: Mango II | **Holder:** E | **Blades:** E100, E200, E300 | **Item No. :** 155-90065

SHAVIV Set E Aluminum



Handle: Aluminum | **Item No. :** 155-00019

SHAVIV Set E



Handle: Classic | **Item No. :** 155-29069

LONG-REACH SETS

Mango II Set F

The Countersink



Hole Edge

Powerful tool, excellent for chamfering and countersinking. Use for hole-edge applications with up to 20 mm (.79") diameter.



F20

F

Handle: Mango II | **Holder:** F | **Blades:** F20 | **Item No.:** 155-90071

Aluminum Set F



Handle: Aluminum | **Item No.:** 155-00222

SHAVIV Set F



Handle: Classic | **Item No.:** 155-29070

Mango II Rotoburr Set

The Swivel Countersink



Hole Edge

Premium set for quick and easy cleaning of holes using convenient swivel holder. Use for hole-edge applications with up to 20 mm (.79") diameter.



F20

Rotoburr

Handle: Mango II | **Holder:** Rotoburr | **Blades:** F20 | **Item No.:** 155-00338

Aluminum Rotoburr Set



Handle: Aluminum | **Item No.:** 155-00339

Mango II Set FR

Ratchet-Burr for ID



Hole Edge

Features FR ratchet holder, ideal for rotational chamfering, even when workspace is limited. Inside diameter (ID) up to 20 mm (.79").



F20

FR

Handle: Mango II | **Holder:** FR | **Blades:** F20 | **Item No.:** 155-90072

Aluminum Set FR



Handle: Aluminum | **Item No.:** 155-00223

SHAVIV Set FR



Handle: Classic | **Item No.:** 155-29071

Mango II Set C

The Scraper



Straight Edge



Hole Edge



Flat Surface



Hole Inner Surface

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.



C42

C



C Key

Handle: Mango II | **Holder:** C | **Blades:** C42 | **Item No.:** 155-90062

SHAVIV Set C



Handle: Classic | **Item No.:** 155-29067

LONG-REACH SETS

Mango II Set D

The Sheet Cleaner



Flat Surface



Sheets

Perfect for sheet metal up to 3 mm (.12") thick. Blade deburrs both sides of sheet in one pass. Blade also functions as a surface cleaner.



D80C

D



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

Handle: Mango II | **Holder:** D | **Blades:** D80C | **Item No. :** 155-90064

SHAVIV Set D



Handle: Classic | **Item No. :** 155-29068

Mango II Set U

The Heavy Scraper



Flat Surface



Hole Inner Surface

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



U1

U



U4



U31

Handle: Mango II | **Holder:** U | **Blades:** U1 (BUS1), U4 (BUS4), U31 (BUS31) | **Item No. :** 155-00221

SHAVIV Set U



Handle: Classic | **Item No. :** 155-29119

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 26 mm (1").



F26X

FR

Handle: Mango II | **Holder:** FR | **Blades:** F26X | **Item No. :** 155-90073

Aluminum Set Burr-Ex



Handle: Aluminum | **Item No. :** 155-00224

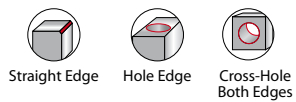
SHAVIV Set Burr-Ex



Handle: Classic | **Item No. :** 155-29146

Mango II Set M

The 2 in 1



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



B30

M



E200



E111



E100



B20



B10



E
B

Handle: Mango II | **Holder:** M | **Blades:** B10, B20, B30, E100, E111, E200 | **Item No. :** 155-00199

SHAVIV Set M



Handle: Classic | **Item No. :** 155-29178

LONG-REACH SETS

Mango II Set L

External Pipe-Edge Cleaner



Straight Edge



Outer Edge

External curved-edge cleaner tool set for the deburring of external curved edges, for pipes and tubes.



L10

L

Handle: Mango II | Holder: L | Blades: L10 | Item No. : 155-00220

SHAVIV Set L



Handle: Classic | Item No. : 155-29076

Mango II Set G

Slot Edge Cleaner



Slot/ Keyways

Ideal for deburring and cleaning edges of internal & external keyways and slots up to 15 mm (.6") wide. Blade features 8 cutting edges.



G10

G



Handle: Mango II | Holder: G | Blades: G10 | Item No. : 155-90074

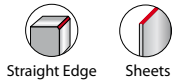
SHAVIV Set G



Handle: Classic | Item No. : 155-29072

Mango II Set Burr-Bi

Heavy-Duty Sheet Cleaner



For heavy-duty deburring of materials with single or double straight edges up to 14 mm (.56") thick. Holder can take two R10, R20 or R30 blades for arc-shaped finishes on workpieces up to 16 mm (.63") thick. Handguard attached for worker safety.



Handle: Mango II | Holder: BR | Blades: R10 x 2 | Key : BR | Item No. : 155-00206

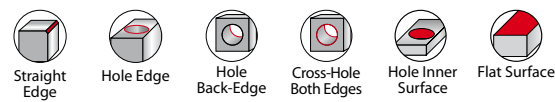
SHAVIV Set Burr-Bi



Handle: Classic | Item No. : 155-29140

Mango II Multi Set E

Heavy DeBurr



A complete set for the most popular deburring and scraping applications.



Handle: Mango II | Holder: E | Blades: E100, E200, E300, E400 | Item No. : 155-00312



EXTRA-CLOSE SETS

Mango II - 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 II B+1



B10

Handle: Mango II | Blades: B10 | Item No. : 155-90058

Mango II B+2



B10



B20

Handle: Mango II | Blades: B10, B20 | Item No. : 155-90060

Mango II B+4



B10



B20



B25



B11

Handle: Mango II | Blades: B10, B20, B25, B11 | Item No. : 155-90061

Mango II E+1



E100

Handle: Mango II | Blades: E100 | Item No. : 155-90066

Mango II E+3



E100



E200



E300

Handle: Mango II | Blades: E100, E200, E300 | Item No. : 155-90068

Mango IIE+5



E100



E200



E300



E111



E120

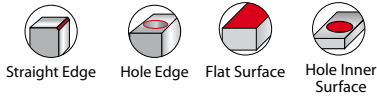
Handle: Mango II | Blades: E100, E200, E300, E111, E120 | Item No. : 155-00162



EXTRA-CLOSE SETS

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: 1-8 mm (.04"-.32") in diameter. Handy for assembling electronic components and watch repair.



C50

Set HC **Handle:** HandyChuck Pin Vise | **Blades:** C50 | **Item No.:** 155-00163



C60

Set HC6 **Handle:** HandyChuck Pin Vise | **Blades:** C60 | **Item No.:** 155-00164

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



E200



E300

Handle: Handle 1 | **Blades:** E100, E200, E300 | **Item No.:** 155-29078

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+12 E100



Handle: Mango Click | Blades: E100 x12 | Item No. : 155-29229

Mango Click Set E3



Handle: Mango Click | Blades: E100, E200, E300 | Item No. : 155-90076

Mango Click Set E5



Handle: Mango Click | Blades: E100, E200, E300, E111, E120 | Item No. : 155-00161



CERAMIC TOOLS

Deflash plastics and soft metals. Remove unwanted mold gate trim on plastic work pieces. Avoid accidents commonly occurring with utility blades.

CERAMIX Set Q10

Heavy-Duty Handle with Ceramic Q10 Blade



Straight Edge



Flat Surface



Mold Gate Trim

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

Flip blade for 2 types of jobs:



Side 1: Surface cleaner



Side 2: Sheet edge cleaner

Handle: Ceramic Handle | Blades: Q10 | Item No. : 155-29238



Free utility blade provided with set

CERAMIX Curved Set Q12

Heavy-Duty Handle with Ceramic Q11 Blade



Straight Edge



Mold Gate Trim

Curved blades reach arched and angled areas. Adjust the cutting angle between the blade and the material for best results and to prevent scratches.

Flip blade for 2 types of jobs:



Side 1: Curved edge cleaner



Side 2: Sheet edge cleaner

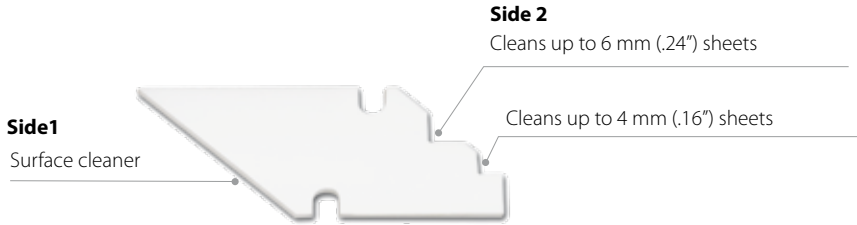
Handle: Ceramic Handle | Blades: Q11 | Item No. : 155-00238



Free utility blade provided with set

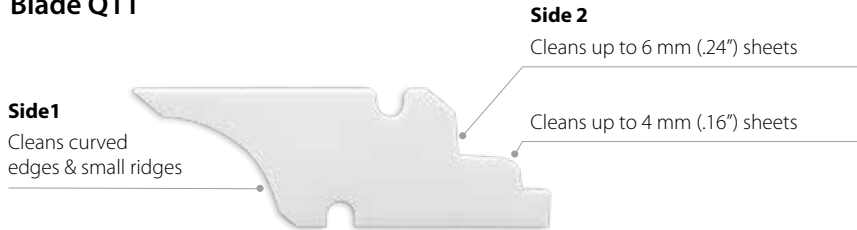
CERAMIX Blades

Blade Q10



Blades Name/Description: Blade Ceramix Q10 | **Blades:** Q10 | **Item No. :** 151-29236

Blade Q11



Blades Name/Description: Ceramix Curved Blade Q11 | **Blades:** Q11 | **Ordering No. :** 151-00132

Cera-Burr

Ceramic Blade Tools



High quality ceramic blades affixed on strong, lightweight handle.

Cera-Burr



Handle: Glo-Burr | **Blades:** Permanent | **Item No. :** 155-90084

Cera-Burr Curve Q11

Curved blades reach arched and angled areas.



Handle: Glo-Burr | **Blades:** Permanent | **Item No. :** 155-00239

TiN COATED SETS

TiN coated blades (Titanium Nitride) provide significantly increased tool life over standard non-coated blades

AEROBURR Set

For the Aviation / Aerospace / Medical Industries

Deburr curves and small holes as small as 1.5 mm (1/16")

Set B11P

Standard Duty Applications



Handle: Mango II | **Holder:** B
Blades: B11P x 5 | **Item No.:** 155-00231

Set E111P

Heavy Duty Applications



Handle: Mango II | **Holder:** E
Blades: E111P x 5 | **Item No.:** 155-00232



Golden Flex Set B

Standard Deburring



Handle: Aluminum | **Holder:** B
Blades: B10P x 2, B11P x 2, B12P x 2, B20P x 2, B30P x 2
Item No.: 155-00258

Golden Flex Set E

for Heavy Duty Deburring



Handle: Aluminum | **Holder:** E
Blades: E100P x 2, E110P x 2, E111P x 2, E200P x 2, E300P x 2
Item No.: 155-00259

Multi-purpose Blade Set B

for Standard Deburring



Blades: B10P x 2, B11P x 2, B12P x 2, B20P x 2, B30P x 2
Item No.: 155-00252

Multi-purpose Blade Set E

for Heavy Duty Deburring



Blades: E100P x 2, E110P x 2, E111P x 2, E200P x 2, E300P x 2
Item No.: 155-00251

BONUS PACKS

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

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

Handle: FREE Mango II B/E | **Blades:** 10 Blades - B10 HSS or E100 HSS or Cobalt

10 x B10 (HSS)		Item No. : 155-00177
10 x E100 (HSS)		Item No. : 155-00178
10 x B10S (Cobalt)		Item No. : 155-00183
10 x E100S (Cobalt)		Item No. : 155-00179



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

Handle: FREE Mango II | **Blades:** 10 Blades - B10 HSS or E100 HSS or Cobalt | **Holder:** B or E

10 x B10 (HSS)		Holder: B		Item No. : 155-00180
10 x E100 (HSS)		Holder: E		Item No. : 155-00181
10 x B10S (Cobalt)		Holder: B		Item No. : 155-00184
10 x E100S (Cobalt)		Holder: E		Item No. : 155-00182



COMPACT SETS

Glo-Burr Sets

01

Replaceable blades

02

Designed for deburring of steel, aluminum, copper & plastic

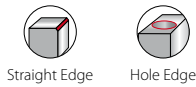
03

Glo-Burr B and E handles work with B and E series blades respectively

04

Lightweight, easy-to-grip, made engineered reinforced plastic

Glo-Burr B - Standard Duty



B10 Glo-Burr

Deburs materials with spiral chips

Green Item No. : 155-29152

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

Blue Item No. : 155-29134 | Yellow Item No. : 155-29154 | Red Item No. : 155-29153

B20 Glo-Burr

Rotates clockwise & counterclockwise for materials with powdery chips

Red Item No. : 155-00274

B30 Glo-Burr

Deburs inside & outside of holes up to 4.0 mm (16") thick

Yellow Item No. : 155-00275

B11 Glo-Burr

Extra thin. Deburs holes with min. diameter 2.0 mm (.08")

Blue Item No. : 155-00273



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. Deburs Steel, Aluminum, Copper and Plastics.

Glo-Burr B Item No. : 154-29136 | Glo-Burr E Item No. : 154-00013



Glo-Burr E- Heavy Duty



E100 Glo-Burr

Deburs materials with spiral chips

Green Item No. : 155-29155

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

Blue Item No. : 155-29133 | **Yellow Item No. :** 155-29157 | **Red Item No. :** 155-29156

E200 Glo-Burr

Rotates clockwise & counterclockwise for materials with powdery chips

Red Item No. : 155-00268

E300 Glo-Burr

Deburs inside & outside of holes up to 6.0 mm (.24") thick

Yellow Item No. : 155-00267

E111 Glo-Burr

Extra thin. Deburs holes with min. diameter 1.5 mm (.06")

Blue Item No. : 155-00270

Glo-Burr Handy Kit 4B /4E

A tool 4 every deburring job

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

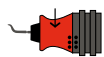
Glo-Burr 4B **Item No. :** 154-90042

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

Glo-Burr 4E **Item No. :** 154-29144

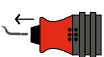


How to Replace the Glo-Burr Blade



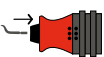
01

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



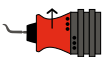
02

Extract old blade



03

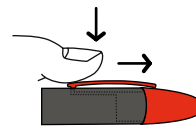
Insert new blade



04

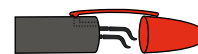
Turn handle until the dots are in non-aligned position (locked)

Spare Blades Storage



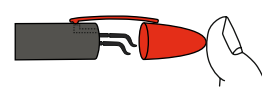
01

Press down on clip and push end cap out



02

Store spare blades inside handle



03

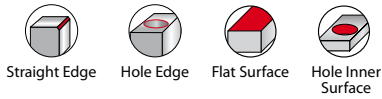
Push back the end cap to close

COMPACT SETS

Scrape-Burrs

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.

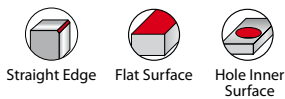


C42

Handle: Glo-Burr | Blades: C42 | Item No. : 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.

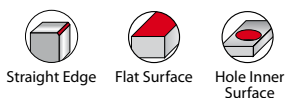


C40

Handle: Glo-Burr | Blades: C40 | Item No. : 155-90078

Scrape-Burr 400

The Fine-Finish Scraper



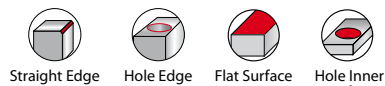
This mini tool delivers a fine finish to precision work pieces. Features extra-thin, heavy-duty triangular blade with 3 cutting edges for high quality and accurate finishing & scraping.



E400

Handle: Glo-Burr | Blades: E400 | Item No. : 155-90080

Scrape-Burr Kit 3+1



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

Handle: Glo-Burr | Blades: B10, C40, C42, E400 | Item No. : 154-90081



COMPACT SETS

UNIBURR- Popular, Slim-Grip Deburring Tools

Features & Benefits of UNIBURR

Strong, yet lightweight

Features convenient pocket clip

Deburr steel, aluminum, copper and plastics

Anodized aluminum handle for long life and heavy duty applications

Available in additional colors

UB2000 and MB2000 can be used with all kinds of B & E type blades

UB1 DisposaBurr

Disposable. Comes with heavy-duty E100 blade.



Straight Edge



Hole Edge



Yellow Item No. : 155-29080

Black Item No. : 155-00165 | Blue Item No. : 155-29181 | Green Item No. : 155-00166 | Red Item No. : 155-29184

UB2 DisposaBurr

Disposable. Comes with B10 blade.



Straight Edge



Hole Edge



Yellow Item No. : 155-29190

Black Item No. : 155-00168 | Blue Item No. : 155-29187 | Green Item No. : 155-00169 | Red Item No. : 155-29081

UB3 Scrapeburr

Disposable. Comes with heavy-duty E400 blade.



Straight Edge



Flat Surface



Hole Inner Surface



Yellow Item No. : 155-00333

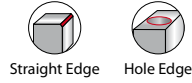
Black Item No. : 155-00334 | Blue Item No. : 155-00332 | Green Item No. : 155-00335 | Red Item No. : 155-00331

COMPACT SETS

UNIBURR - Popular, Slim-Grip Deburring Tools

UB2000

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

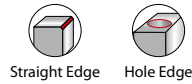


Yellow Item No. : 155-29192

Black Item No. : 155-29202 | Blue Item No. : 155-29107 | Green Item No. : 155-29203 | Red Item No. : 155-29191

MB2000

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



Yellow Item No. : 155-29161

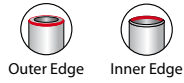
Black Item No. : 155-29158 | Blue Item No. : 155-29092 | Green Item No. : 155-29159 | Red Item No. : 155-29160



PIPE CLEANERS

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.
Use for aluminum, copper and brass tubing.

Plum-Burr Metal



Item No. : 155-90082

Plum-Burr Metal - Tubing range:
6 mm - 41 mm (1/4" to 1 5/8")

Plum-Burr Plastic

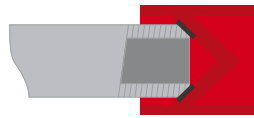


Item No. : 155-90083

Plum-Burr Plastic - Tubing range:
4.8 mm - 38 mm (3/16" to 1 1/2")



ID



OD



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 is designed for specific application types

Convenient packaging for storing tools

Deburring & Scraping Standard Duty



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Hole Inner Surface



Flat Surface



Sheets

A very handy and practical combination of deburring and scraping tools all in one kit for standard duty applications.



Handle: Mango II | **Holder:** B, C | **Blades:** B10, B11, B20, B30, B60, B70, C40, C Key
Item No. : 154-00034

Deburring & Scraping Heavy Duty



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Hole Inner Surface



Flat Surface

A very convenient selection of deburring and scraping tools packed in one kit for heavy duty applications.



Handle: Mango II | **Holder:** E, C | **Blades:** C42, E100P, E111, E200, E300, E600, E700, C Key
Item No. : 154-00036

PREMIUM KITS

Deburring & Chamfering

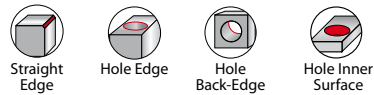


Rough edges and holes in need of deburring and chamfering?
This is the right kit for you!



Handle: Mango II | **Holder:** E, F | **Blades:** E100S, E111, E200, E300, E601, F20, F26X
Item No. : 154-00033

Deburring & Filing



Specifically designed for deburring and filing applications with
the comfortable and practical MB2020 handle.



Handle: MB2020E | **Holder:** 5 different shape diamond coated file | **Blades:** E100S, E400
Item No. : 154-00030

Deburring & Deflashing



The best kit on the market for deburring and deflashing standard
and heavy-duty metal and plastic workpieces!



Handle: Mango II | **Holder:** B, E | **Blades:** B10, B11, B25, E111, E250, E400, E707 and Cera-Burr Ceramic Blade Tool
Item No. : 154-00040

Deburring & Sheet Cleaning



Straight Edge



Hole Edge



Hole Back-Edge



Cross-Hole Both Edges



Flat Surface



Hole Inner Surface



Sheets

Heavy-duty deburring kit for holes, edges and sheets – excellent for a large variety of applications.



Handle: Mango II | **Holder:** E, D | **Blades:** D80C, D82C, E100, E111, E200, E300, E700
Item No. : 154-00035

TiN Coated

For Exotic Materials



Straight Edge



Hole Edge



Cross-Hole Both Edges

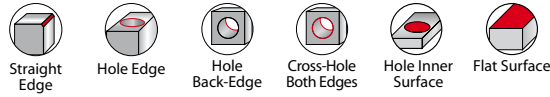
Durable multi-purpose TiN (Titanium Nitride) coated blades for high resistance and wear. Work great on exotic materials. Kit includes heavy-duty aluminum handle.



Handle: Aluminum Handle | **Holder:** B, E | **Blades:** B10P, B11P, B20P, B30P, E100P, E111P, E200P, E300P
Item No. : 154-00045

MULTI-PURPOSE KITS

Top 3 Mango II Starter Kit



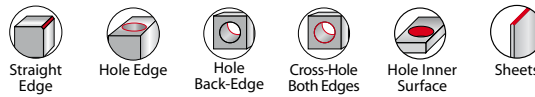
The all-in-one deburring kit for your workshop. Includes an ergonomic Mango II handle with the three most popular types of blades and holders for different deburring applications.



Handle: Mango II | **Holder:** B, C, & E | **Blades:** B10, B20, B30, B50, B60, C40, E100, & E300
Item No.: 154-90085

Kit Classic KPC2

The Favorite 5



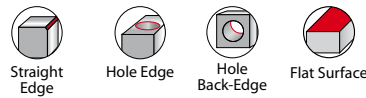
Most popular sets, provided in one handy kit.



Handle: Classic | **Set B:** The Workhorse | **Set C:** The Scraper | **Set D:** The Sheet Cleaner | **Set E:** The Heavy Deburr Set | **Set F:** The Countersink
Item 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.



Item No.: 154-29079

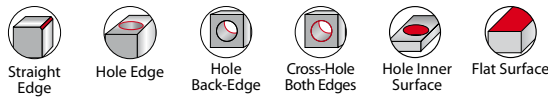
UF1: Flat diamond coated file **Item No.:** 155-00051 | **US1:** Triangular scraper **Item No.:** 155-00156 | **US2:** Flat scraper **Item No.:** 155-00173 |

US3: Round scraper **Item No.:** 155-00174 | **US4:** Hooked corner scraper **Item No.:** 155-00175

UB38: Miniature rotational deburring tool for min. hole diameter 2 mm (.08") **Item No.:** 155-29084

Kit U

Ultra-Fine Finish



Ultra-fine finish kit for precision workpieces.



Handle: Aluminum | **Holder:** B,U | **Blades:** B blades for rotational deburring: B10, B11, B20 & B30

U scrapers : BUS1, BUS2, BUS31 & BUS4, E500C scriber

Item No. : 154-29228

Kit KWC

The Universal Box - Plastic Case



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



Handle: Mango II | **Holder:** B, C, D, E & F | **Blades:** B10, B20, B30, B50, B60, B70, C40, C42, D80C, E100, E200, E300, E350, E600 & F20

Item No. : 154-00024

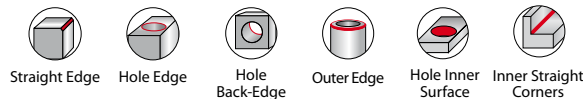


Handle: Classic | **Holder:** B, C, D, E & F | **Blades:** B10, B20, B30, B50, B60, B70, C40, C42, D80C, E100, E200, E300, E350, E600 & F20

Item No. : 154-00008

Kit KPA

Plastics Deflashing



The perfect, complete kit for deflashing plastics.



Handle: Mango II | **Holder:** B, E, G3 & LP

Blades: B12, B25, E110, E700, G30C & L10 | UB38 deburring tool

Item No. : 154-00037



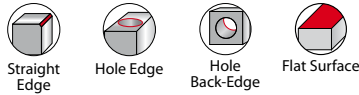
Handle: Classic | **Holder:** B, E, G3 & LP

Blades: B12, B25, E110, E700, G30C & L10 | UB38 deburring tool

Item No. : 154-00012

MULTI-PURPOSE KITS

TD Interchangeable Kit



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



Handle: Aluminum | **Holder:** U | **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
Item No.: 154-00046

Universal Sheet Cleaner Kit

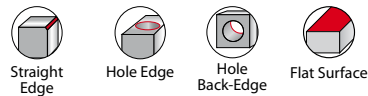


Most popular sets, provided in one handy kit. Handguard attached for worker safety.



Handle: Mango II | **Holder:** B, BR, D, D5 & E | **Blades:** B10, B20, B30, B70, E100, E200, E300, D80C, D82C, D85, 2 x R10 & 2 x R30 | Handguard
Item No.: 154-00038

SHAVIV DEMO KIT



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



Handle: Mango II, Classic, Aluminum, Glo-Burr Handle B | **Holder:** B, BR, D, D5 & E | **Blades:** B10, B20, B30, B70, E100, E200, E300, D80C, D82C, D85, 2 x R10 & 2 x R30
Item No.: 221-00832

PROFESSIONAL SERIES

Tailored Deburring Solutions for Professionals & Home Improvement

Complete Burr Removal Solutions

SHAVIV – The world's leader in deburring solutions widens its expertise to home use and professionals.

We adapt **our** deburring know-how to **your** natural work environment.

The **PROFESSIONAL SERIES** includes:



Electrician Kit

The most essential deburring tools for electricians.

The kit contains 7 multi-purpose tools for deburring and chamfering metal & plastic.

Item No. : 154-00054



Plumber Kit

Complete burr removal kit for plumbers. Ideal for use on inner and outer edges of tubes.

The kit contains 8 multi-purpose tools for deburring and chamfering metal & plastic.

Item No. : 154-00055



Aluminum Works Kit

The easiest and fastest way to hand deburr aluminum material. The kit contains 6 multi-purpose tools for deburring and chamfering a wide range of aluminum works.

Item No. : 154-00056



Do It Yourself Kit

The essential deburring tools for general home use, DIYers and craftsmen. The kit contains 9 multi-purpose tools for deburring a wide range of metals, wood and plastic.

Item No. : 154-00051



Auto Burr Kit

The ideal deburring kit for auto mechanics and car lovers. The kit contains 10 multi-purpose tools for deburring and chamfering metals, chrome parts, rims, cast iron and aluminum.

Item No. : 154-00052

SPECIALIZED KITS

Countersink Kit

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, and a FREE deburring Finishing Bit.

Tri-Flute Chamfering Kit



Blade: FC20 **For holes up to Ø:** 20 mm (13/16")

Blade: FC16 **For holes up to Ø:** 16 mm (5/8")

Blade: FC12 **For holes up to Ø:** 12 mm (1/2")

Kit includes FREE Finishing Bit with B12 blade

Item No. : 154-00031

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



FC20 **Item No. :** 151-00139

FC16 **Item No. :** 151-00137

FC12 **Item No. :** 151-00138

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



Item No. : 156-00003

Zero Flute Chamfering Kit



Blade: FD20 **Holes Range Ø:** 7-20 mm (9/32"-13/16")

Blade: FD13 **Holes Range Ø:** 5-13 mm (3/16"-1/2")

Blade: FD08 **Holes Range Ø:** 2-8 mm (5/64"-5/16")

Kit includes FREE Finishing Bit with B12 blade

Item No. : 154-00032

Rotary Scraper

For High Precision Work

01

Triangular rotary scrapers specially designed for high precision and accurate work

02

Suitable for air tools with high RPM

03

Made from top quality HSS, strong yet flexible

04

Excellent for a variety of raw materials such as metals, ceramics, and plastics

05

Used in the aviation, electronics, jewelry, molding and other industries



Blades: C81-3 | **Shank Diameter:** 3.0 mm (.12") | **Tip Angle:** 5°
Item No. : 151-00129



Blades: C82-3 | **Shank Diameter:** 3.0 mm (.12") | **Tip Angle:** 10°
Item No. : 151-00130



The New Line of Premium Carbide Burrs

The new SV-Burr line from SHAVIV includes a wide range of Tungsten Carbide tools which are used to remove burrs (deburring) and smoothen sharp metal edges when cutting or machining processes are completed.

Features and Benefits

01

Wide range of Tungsten Carbide burrs -
Up to three times stronger than
High Speed Steel (HSS)

02

Compatible with hand-held tools
or CNC machines

03

Used widely in industries such as:
Metal working, tool and jewelry making,
engineering, deburring, grinding,
welding, carving, casting, sculpting, and
cylinder head porting

04

SV-Burrs successfully machine under
extreme applications and perform
better at high temperatures

05

New technologies provide optimum
efficiency and expanded range of
deburring solutions

06

Unique geometrical designs cover
a variety of teeth and cutting shapes

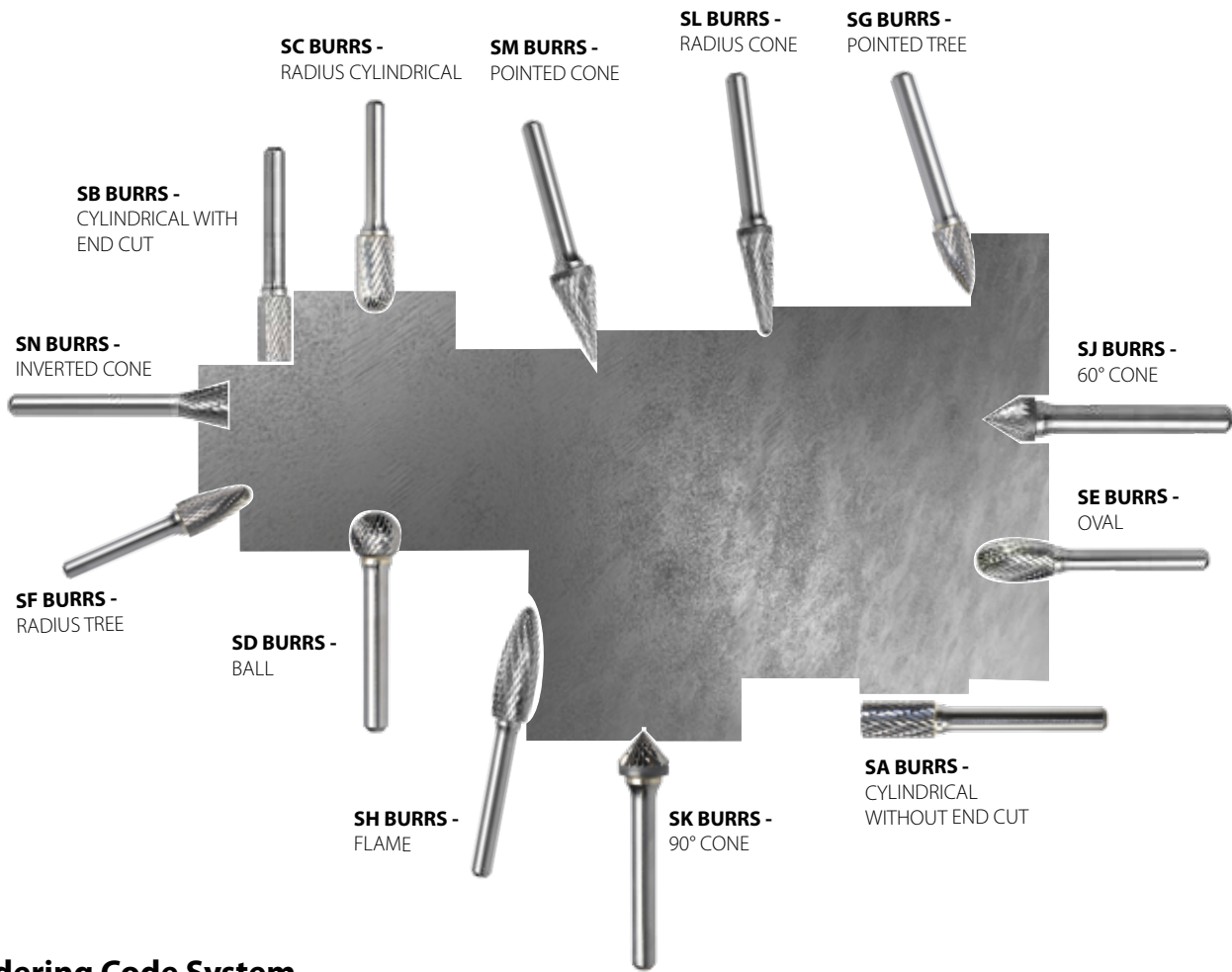
07

Meets increased market demands
to deburr stainless steel, steel, cast steel
in complex applications

08

Optimum adaptation and
longer tool life

Geometries & Applications



Ordering Code System

SC	-	3	L6	SV	M	DC
1		2	3	4	5	6

1- Burr Shape

- SA - Cylindrical Shape without End Cut
- SB - Cylindrical Shape with End Cut
- SC - Radius Cylindrical
- SD - Ball
- SE - Oval
- SF - Radius Tree
- SG - Pointed Tree
- SH - Flame
- SJ - 60° Cone
- SK - 90° Cone
- SL - Radius Cone
- SM - Pointed Cone
- SN - Inverted Cone

2- Dimensions/ Reference Code

See each catalog page with specific shape

3- Shank Length

None - (Standard)
L3/L6 - Long Shank

4- Product Name

SV = SV-Burr

5- Type

M - Metric
I - Inch

6- Cut Type

DC - Double-cut
FM - Aluminum-cut

RECOMMENDATIONS AND APPLICATIONS

Speed Range

Operate the burr within the limits of the recommended speed range

Running above recommended speed will cause tooth wear

Running below the optimum speed may cause chipping

Harder materials or gummy metals such as Titanium, require slower speeds

Dos:

Choose the correct shape, diameter and cut style for each specific application

Set the maximum length of the burr in the collet

Slow down the speed for extra-long burrs, and do not exceed more than 15,000 RPM

When selecting the appropriate air tool, ensure that it is regularly maintained

Check the air tool before use to ensure it is running correctly

Hold the air tool firmly and securely fix the workpiece

Apply smooth cutting action with continuous movement

Use light pressure and let the SV-Burr do the job!

Don'ts :

Do not use the burr above the Maximum Operating Speed (See the Recommended Speed Guide on page 64)

Do not use the burr too slowly (See the Recommended Speed Guide on page 64)

Do not expose the burr to excessive mechanical or thermal shock

Do not drop the burr to more than one third of its periphery

Do not clog the burr into gaps, pockets, grooves, crevices or cavities

Avoid overheating to ensure that the brazed burr will not soften or detach the head from the shank *

* **Note:** This applies to burrs with a larger head diameter than shank diameter.

RECOMMENDED SPEED GUIDE

The chart below provides general and comparative recommendations. To reach desired results, you may need to try a few variations. Long shank burrs should be used at reduced speeds.

Burr Diameter mm (Inch)	RPM
3 mm (1/8") Solid Carbide	45,000 - 50,000
5 mm (3/16") Solid Carbide	35,000 - 40,000
5 mm (3/16") Carbide Head Brazed to 3 mm (1/8") Steel Shank	30,000 - 35,000
6 mm (1/4") Solid Carbide	30,000 - 35,000
6 mm (1/4") Carbide Head Brazed to 3 mm (1/8") Steel Shank	25,000 - 30,000
8 mm (5/16") Carbide Head Brazed to 6 mm (1/4") Steel Shank	25,000 - 30,000
10 mm (3/8") Carbide Head Brazed to 6 mm (1/4") Steel Shank	25,000 - 30,000
11 mm (7/16") Carbide Head Brazed to 6 mm (1/4") Steel Shank	20,000 - 25,000
12 mm (1/2") Carbide Head Brazed to 6 mm (1/4") Steel Shank	20,000 - 25,000
16 mm (5/8") Carbide Head Brazed to 6 mm (1/4") Steel Shank	15,000 - 20,000
18 mm (3/4") Carbide Head Brazed to 6 mm (1/4") Steel Shank	15,000 - 20,000
25 mm (1") Carbide Head Brazed to 6 mm (1/4") Steel Shank	12,000 - 18,000



SA BURRS

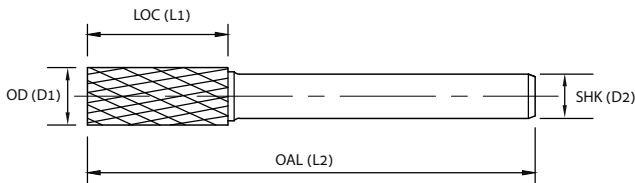
Cylindrical Shape Without End Cut



Double-cut



Aluminum-cut



Dimensions

Ordering Code

Item Number

Description

OD (D1)

LOC (L1)

SHK (D20)

OAL (L2)

mm

SA-42SVMDC	G05-00001	SA Burrs - Cylindrical Shape without End Cut	2.5	11	3	38
SA-51SVMDC	G05-00002	SA Burrs - Cylindrical Shape without End Cut	6.3	12.7	3	50
SA-1SVMDC	G05-00003	SA Burrs - Cylindrical Shape without End Cut	6	16	6	50
SA-2SVMDC	G05-00004	SA Burrs - Cylindrical Shape without End Cut	8	19	6	64
SA-3SVMFM	G05-00005	SA Burrs - Cylindrical Shape without End Cut	9.5	19	6	64
SA-3SVMDC	G05-00006	SA Burrs - Cylindrical Shape without End Cut	9.5	19	6	64
SA-5SVMFM	G05-00007	SA Burrs - Cylindrical Shape without End Cut	12.7	25	6	70
SA-5SVMDC	G05-00008	SA Burrs - Cylindrical Shape without End Cut	12.7	25	6	70
SA-6SVMDC	G05-00009	SA Burrs - Cylindrical Shape without End Cut	16	25	6	70

Inch

SA-1SVIFM	G05-00010	SA Burrs - Cylindrical Shape without End Cut	1/4	5/8	1/4	2
SA-1SVIDC	G05-00011	SA Burrs - Cylindrical Shape without End Cut	1/4	5/8	1/4	2
SA-14SVIDC	G05-00012	SA Burrs - Cylindrical Shape without End Cut	3/16	5/8	1/4	2
SA-3SVIDC	G05-00013	SA Burrs - Cylindrical Shape without End Cut	3/8	3/4	1/4	2-1/2
SA-3SVIFM	G05-00014	SA Burrs - Cylindrical Shape without End Cut	3/8	3/4	1/4	2-1/2
SA-3L6SVIDC	G05-00015	SA Burrs - Cylindrical Shape without End Cut	3/8	3/4	1/4	6-3/4
SA-43SVIDC	G05-00016	SA Burrs - Cylindrical Shape without End Cut	1/8	9/16	1/8	1-1/2
SA-5SVIDC	G05-00017	SA Burrs - Cylindrical Shape without End Cut	1/2	1	1/4	2-3/4
SA-5SVIDC	G05-00018	SA Burrs - Cylindrical Shape without End Cut	1/2	1	1/4	2-3/4
SA-5L6SVIDC	G05-00019	SA Burrs - Cylindrical Shape without End Cut	1/2	1	1/4	7
SA-6SVIDC	G05-00020	SA Burrs - Cylindrical Shape without End Cut	5/8	1	1/4	2-3/4

SB BURRS

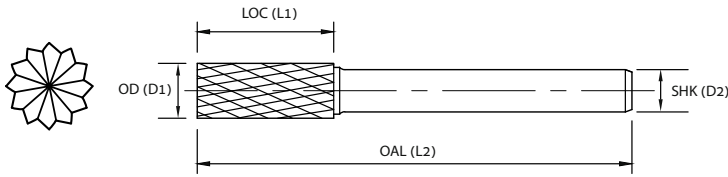
Cylindrical Shape With End Cut



Double-cut



Aluminum-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D2)	OAL (L2)
			mm			
SB-43SVMDC	G06-00001	SB Burrs - Cylindrical Shape with End Cut	3	14	3	38
SB-43L3SVMDC	G06-00002	SB Burrs - Cylindrical Shape with End Cut	3	14	3	75
SB-1SVMDC	G06-00003	SB Burrs - Cylindrical Shape with End Cut	6	16	6	50
SB-2SVMDC	G06-00004	SB Burrs - Cylindrical Shape with End Cut	8	19	6	64
SB-3SVMFPM	G06-00005	SB Burrs - Cylindrical Shape with End Cut	9.5	19	6	64
SB-3SVMDC	G06-00006	SB Burrs - Cylindrical Shape with End Cut	9.5	19	6	64
SB-3L6SVMDC	G06-00007	SB Burrs - Cylindrical Shape with End Cut	9.5	19	6	169
SB-5SVMFPM	G06-00008	SB Burrs - Cylindrical Shape with End Cut	12.7	25	6	70
SB-5SVMDC	G06-00009	SB Burrs - Cylindrical Shape with End Cut	12.7	25	6	70
SB-5L6SVMDC	G06-00010	SB Burrs - Cylindrical Shape with End Cut	12.7	25	6	175
SB-6SVMDC	G06-00011	SB Burrs - Cylindrical Shape with End Cut	16	25	6	70
Inch						
SB-1SVIDC	G06-00012	SB Burrs - Cylindrical Shape with End Cut	1/4	5/8	1/4	2
SB-1SVIFM	G06-00013	SB Burrs - Cylindrical Shape with End Cut	1/4	5/8	1/4	2
SB-3SVIDC	G06-00014	SB Burrs - Cylindrical Shape with End Cut	3/8	3/4	1/4	2-1/2
SB-3SVIFM	G06-00015	SB Burrs - Cylindrical Shape with End Cut	3/8	3/4	1/4	2-1/2
SB-3L6SVIDC	G06-00016	SB Burrs - Cylindrical Shape with End Cut	3/8	3/4	1/4	6-3/4
SB-43SVIDC	G06-00017	SB Burrs - Cylindrical Shape with End Cut	1/8	9/16	1/8	1-1/2
SB-5SVIDC	G06-00018	SB Burrs - Cylindrical Shape with End Cut	1/2	1	1/4	2-3/4
SB-5SVIFM	G06-00019	SB Burrs - Cylindrical Shape with End Cut	1/2	1	1/4	2-3/4
SB-5L6SVIDC	G06-00020	SB Burrs - Cylindrical Shape with End Cut	1/2	1	1/4	7

SC BURRS

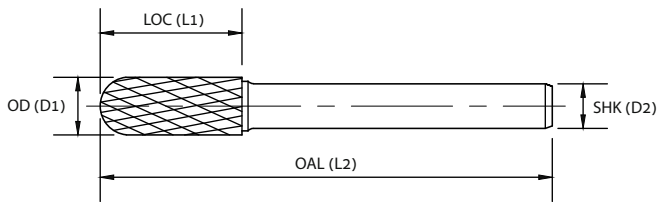
Radius Cylindrical Shape



Double-cut



Aluminum-cut



Dimensions

Ordering Code

Item Number

Description

OD (D1)

LOC (L1)

SHK (D20)

OAL (L2)

mm

SC-42SVMDC	G07-00001	SC Burrs - Radius Cylindrical Shape	3	14	3	38
SC-42L3SVMDC	G07-00002	SC Burrs - Radius Cylindrical Shape	3	14	3	75
SC-51SVMDC	G07-00003	SC Burrs - Radius Cylindrical Shape	6.3	12.7	3	50
SC-1SVMDC	G07-00004	SC Burrs - Radius Cylindrical Shape	6	16	6	50
SC-2SVMDC	G07-00005	SC Burrs - Radius Cylindrical Shape	8	19	6	64
SC-3SVMFM	G07-00006	SC Burrs - Radius Cylindrical Shape	9.5	19	6	64
SC-3SVMDC	G07-00007	SC Burrs - Radius Cylindrical Shape	9.5	19	6	64
SC-3L6SVMDC	G07-00008	SC Burrs - Radius Cylindrical Shape	9.5	19	6	169
SC-5SVMFM	G07-00009	SC Burrs - Radius Cylindrical Shape	12.7	25	6	70
SC-5SVMDC	G07-00010	SC Burrs - Radius Cylindrical Shape	12.7	25	6	70
SC-5SVM6DC	G07-00011	SC Burrs - Radius Cylindrical Shape	12.7	25	6	175
SC-6SVMDC	G07-00012	SC Burrs - Radius Cylindrical Shape	16	25	6	70

Inch

SC-1SVIDC	G07-00013	SC Burrs - Radius Cylindrical Shape	1/4	5/8	1/4	2
SC-3SVIDC	G07-00014	SC Burrs - Radius Cylindrical Shape	3/8	3/4	1/4	2-1/2
SC-3SVIFM	G07-00015	SC Burrs - Radius Cylindrical Shape	3/8	3/4	1/4	2-1/2
SC-3L6SVIDC	G07-00016	SC Burrs - Radius Cylindrical Shape	3/8	3/4	1/4	6-3/4
SC-42SVIDC	G07-00017	SC Burrs - Radius Cylindrical Shape	1/8	9/16	1/8	1-1/2
SC-5SVIDC	G07-00018	SC Burrs - Radius Cylindrical Shape	1/2	1	1/4	2-3/4
SC-5SVIFM	G07-00019	SC Burrs - Radius Cylindrical Shape	1/2	1	1/4	2-3/4
SC-5L6SVIDC	G07-00020	SC Burrs - Radius Cylindrical Shape	1/2	1	1/4	7
SC-51SVIDC	G07-00021	SC Burrs - Radius Cylindrical Shape	1/4	1/2	1/8	2

SD BURRS

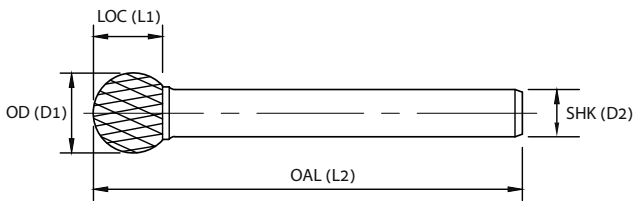
Ball Shape



Double-cut



Aluminum-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SD-42SVMDC	G08-00001	SD Burrs - Ball Shape	3	2.5	3	38
SD-42L3SVMDC	G08-00002	SD Burrs - Ball Shape	3	2.5	3	75
SD-51SVMDC	G08-00003	SD Burrs - Ball Shape	6.3	5	3	44
SD-1SVMDC	G08-00004	SD Burrs - Ball Shape	6	5	6	50
SD-2SVMDC	G08-00005	SD Burrs - Ball Shape	8	6.4	6	51.4
SD-3SVMFEM	G08-00006	SD Burrs - Ball Shape	9.5	8	6	53
SD-3SVMDC	G08-00007	SD Burrs - Ball Shape	9.5	8	6	53
SD-3L6SVMDC	G08-00008	SD Burrs - Ball Shape	9.5	8	6	158
SD-5SVMFEM	G08-00009	SD Burrs - Ball Shape	12.7	11	6	56
SD-5SVMDC	G08-00010	SD Burrs - Ball Shape	12.7	11	6	56
SD-5L6SVMDC	G08-00011	SD Burrs - Ball Shape	12.7	11	6	161
SD-6SVMDC	G08-00012	SD Burrs - Ball Shape	16	14	6	59
Inch						
SD-1SVIDC	G08-00013	SD Burrs - Ball Shape	1/4	7/32	1/4	2
SD-42SVIDC	G08-00014	SD Burrs - Ball Shape	1/8	1/8	1/8	1-1/2
SD-3SVIDC	G08-00015	SD Burrs - Ball Shape	3/8	5/16	1/4	2-1/8
SD-5SVIDC	G08-00016	SD Burrs - Ball Shape	1/2	7/16	1/4	2-1/4
SD-5SVIFEM	G08-00017	SD Burrs - Ball Shape	1/2	7/16	1/4	2-1/4
SD-5L6SVIDC	G08-00018	SD Burrs - Ball Shape	1/2	7/16	1/4	6-1/2
SD-51SVIDC	G08-00019	SD Burrs - Ball Shape	1/4	7/32	1/8	1-3/4

SE BURRS

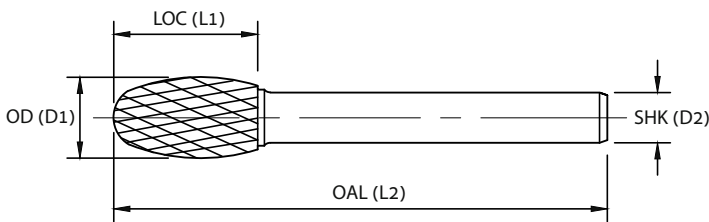
Oval Shape



Double-cut



Aluminum-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D2)	OAL (L2)
			mm			
SE-41SVMDC	G09-00001	SE Burrs - Oval Shape	3	5.5	3	38
SE-51SVMDC	G09-00002	SE Burrs - Oval Shape	6.3	9.5	3	47
SE-1SVMDC	G09-00003	SE Burrs - Oval Shape	6	9.5	6	50
SE-3SVMDC	G09-00004	SE Burrs - Oval Shape	9.5	16	6	61
SE-5SVMDC	G09-00005	SE Burrs - Oval Shapes	12.7	22	6	67
SE-6SVMDC	G09-00006	SE Burrs - Oval Shape	16	25	6	70
Inch						
SE-1SVIDC	G09-00007	SE Burrs - Oval Shape	1/4	3/8	1/4	2
SE-3SVIDC	G09-00008	SE Burrs - Oval Shape	3/8	5/8	1/4	2-3/8
SE-3SVIFM	G09-00009	SE Burrs - Oval Shape	3/8	5/8	1/4	2-3/8
SE-3L6SVIDC	G09-00010	SE Burrs - Oval Shape	3/8	5/8	1/4	6-5/8
SE-41SVIDC	G09-00011	SE Burrs - Oval Shape	1/8	7/32	1/8	1-1/2
SE-5SVIDC	G09-00012	SE Burrs - Oval Shape	1/2	7/8	1/4	2-5/8
SE-5SVIFM	G09-00013	SE Burrs - Oval Shape	1/2	7/8	1/4	2-5/8
SE-5L6SVIDC	G09-00014	SE Burrs - Oval Shape	1/2	7/8	1/4	6-7/8

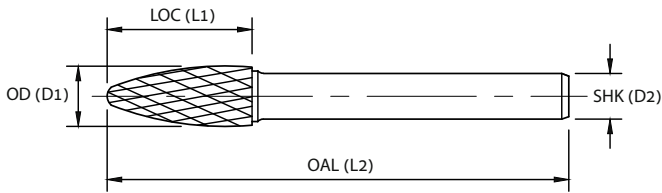
SF BURRS
Radius Tree Shape



Double-cut



Aluminum-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SF-42SVMDC	G10-00001	SF Burrs - Radius Tree Shape	3	12.7	3	38
SF-42L3SVMDC	G10-00002	SF Burrs - Radius Tree Shape	3	12.7	3	75
SF-51SVMDC	G10-00003	SF Burrs - Radius Tree Shape	6.3	12.7	3	50
SF-1SVMDC	G10-00004	SF Burrs - Radius Tree Shape	6	16	6	50
SF-3SVMFM	G10-00005	SF Burrs - Radius Tree Shape	9.5	19	6	64
SF-3SVMDC	G10-00006	SF Burrs - Radius Tree Shape	9.5	19	6	64
SF-3L6SVMDC	G10-00007	SF Burrs - Radius Tree Shape	9.5	19	6	169
SF-5SVMFM	G10-00008	SF Burrs - Radius Tree Shape	12.7	25	6	70
SF-5SVMDC	G10-00009	SF Burrs - Radius Tree Shape	12.7	25	6	70
SF-5L6SVMDC	G10-00010	SF Burrs - Radius Tree Shape	12.7	25	6	175
SF-6SVMDC	G10-00011	SF Burrs - Radius Tree Shape	16	25	6	70

Inch						
SF-1SVIDC	G10-00012	SF Burrs - Radius Tree Shape	1/4	5/8	1/4	2
SF-3SVIDC	G10-00013	SF Burrs - Radius Tree Shape	3/8	3/4	1/4	2-1/2
SF-3SVIFM	G10-00014	SF Burrs - Radius Tree Shape	3/8	3/4	1/4	2-1/2
SF-3L6SVIDC	G10-00015	SF Burrs - Radius Tree Shape	3/8	3/4	1/4	6-3/4
SF-42SVIDC	G10-00016	SF Burrs - Radius Tree Shape	1/8	1/2	1/8	1-1/2
SF-5SVIDC	G10-00017	SF Burrs - Radius Tree Shape	1/2	1	1/4	2-3/4
SF-5SVIFM	G10-00018	SF Burrs - Radius Tree Shape	1/2	1	1/4	2-3/4
SF-5L6SVIDC	G10-00019	SF Burrs - Radius Tree Shape	1/2	1	1/4	7
SF-6SVIDC	G10-00020	SF Burrs - Radius Tree Shape	5/8	1	1/4	2-3/4

SG BURRS

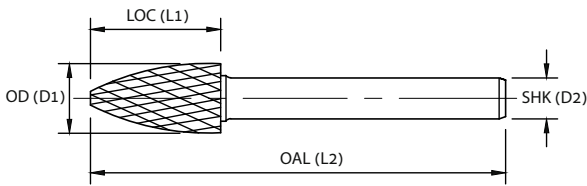
Pointed Tree Shape



Double-cut



Aluminum-cut



Dimensions

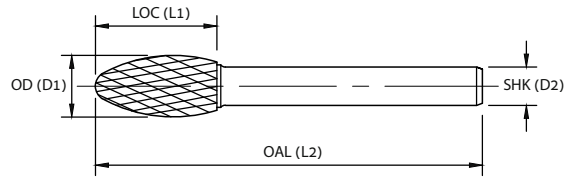
Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SG-44SVMDC	G11-00001	SG Burrs - Pointed Tree Shape	3	12.7	3	38
SG-51SVMDC	G11-00002	SG Burrs - Pointed Tree Shape	6.3	12.7	3	50
SG-1SVMDC	G11-00003	SG Burrs - Pointed Tree Shape	6	16	6	50
SG-2SVMDC	G11-00004	SG Burrs - Pointed Tree Shape	8	19	6	64
SG-3SVMFM	G11-00005	SG Burrs - Pointed Tree Shape	9.5	19	6	64
SG-3SVMDC	G11-00006	SG Burrs - Pointed Tree Shape	9.5	19	6	64
SG-5SVMFM	G11-00007	SG Burrs - Pointed Tree Shape	12.7	25	6	70
SG-5SVMDC	G11-00008	SG Burrs - Pointed Tree Shape	12.7	25	6	70
SG-6SVMDC	G11-00009	SG Burrs - Pointed Tree Shape	16	25	6	70
Inch						
SG-1SVIDC	G11-00010	SG Burrs - Pointed Tree Shape	1/4	5/8	1/4	2
SG-3SVIDC	G11-00011	SG Burrs - Pointed Tree Shape	3/8	3/4	1/4	2-1/2
SG-3L6SVIDC	G11-00012	SG Burrs - Pointed Tree Shape	3/8	3/4	1/4	6-3/4
SG-43SVIDC	G11-00013	SG Burrs - Pointed Tree Shape	1/8	3/8	1/8	1-1/2
SG-5SVIDC	G11-00014	SG Burrs - Pointed Tree Shape	1/2	1	1/4	2-3/4
SG-5L6SVIDC	G11-00015	SG Burrs - Pointed Tree Shape	1/2	1	1/4	7

SH BURRS

Flame Shape



Double-cut



Dimensions

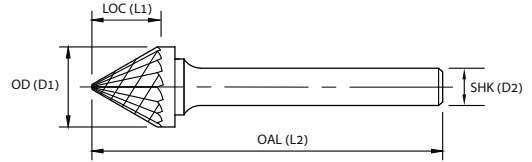
Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SH-41SVMDC	G13-00001	SH Burrs - Flame Shape	3	6.3	3	38
SH-1SVMDC	G13-00002	SH Burrs - Flame Shape	6	12.7	6	50
SH-2SVMDC	G13-00003	SH Burrs - Flame Shape	8	19	6	64
SH-5SVMDC	G13-00004	SH Burrs - Flame Shape	12.7	32	6	77
SH-6SVMDC	G13-00005	SH Burrs - Flame Shape	16	36	6	81
Inch						
SH-1SVIDC	G13-00006	SH Burrs - Flame Shape	1/4	1/2	1/4	2
SH-2SVIDC	G13-00007	SH Burrs - Flame Shape	5/16	3/4	1/4	2-1/2
SH-41SVIDC	G13-00008	SH Burrs - Flame Shape	1/8	1/4	1/8	1-1/2
SH-5SVIDC	G13-00009	SH Burrs - Flame Shape	1/2	1-1/4	1/4	3

SJ BURRS

60° Cone Shape



Double-cut



Dimensions

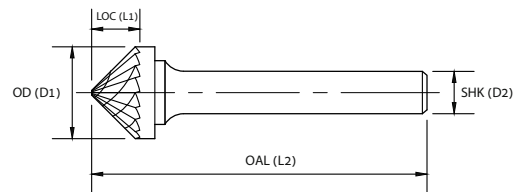
Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SJ-1SVMDC	G14-00001	SJ Burrs - 60° Cone Shape	6	4	6	50
SJ-3SVMDC	G14-00002	SJ Burrs - 60° Cone Shape	9.5	8	6	53
SJ-5SVMDC	G14-00003	SJ Burrs - 60° Cone Shape	12.7	11	6	56
SJ-6SVMDC	G14-00004	SJ Burrs - 60° Cone Shape	16	14.5	6	59.5

SK BURRS

90° Cone Shape



Double-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)
mm						
SK-1SVMDC	G15-00001	SK Burrs - 90° Cone Shape	6	3	6	50
SK-3SVMDC	G15-00002	SK Burrs - 90° Cone Shape	9.5	4.7	6	49.7
SK-5SVMDC	G15-00003	SK Burrs - 90° Cone Shape	12.7	6.3	6	51.3
SK-6SVMDC	G15-00004	SK Burrs - 90° Cone Shape	16	8	6	53

SL BURRS

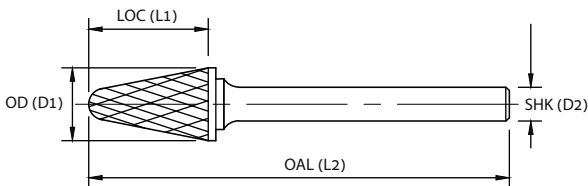
Radius Cone Shape



Double-cut



Aluminum-cut



Dimensions

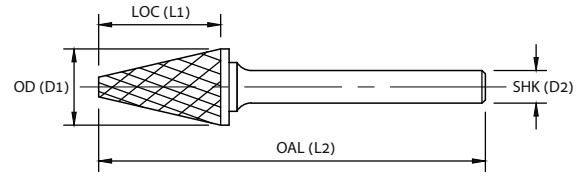
Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)	Angle DEG°
mm							
SL-42SVMDC	G12-00001	SL Burrs - Radius Cone Shape	3	12.7	3	38	8
SL-1SVMDC	G12-00002	SL Burrs - Radius Cone Shape	6	16	6	50	14
SL-2SVMDC	G12-00003	SL Burrs - Radius Cone Shape	8	22	6	67	14
SL-2SVMF6M	G12-00004	SL Burrs - Radius Cone Shape	8	22	6	67	14
SL-3SVMDC	G12-00019	SL Burrs - Radius Cone Shape	9.5	27	6	72	14
SL-3SVM6DC	G12-00005	SL Burrs - Radius Cone Shape	9.5	27	6	177	14
SL-4SVMF6M	G12-00006	SL Burrs - Radius Cone Shape	12.7	28	6	73	14
SL-4SVMDC	G12-00007	SL Burrs - Radius Cone Shape	12.7	28	6	73	14
SL-4SVM6DC	G12-00008	SL Burrs - Radius Cone Shape	12.7	28	6	178	14
SL-5SVMDC	G12-00009	SL Burrs - Radius Cone Shape	16	30	6	75	14
Inch							
SL-1SVIDC	G12-00010	SL Burrs - Radius Cone Shape	1/4	5/8	1/4	2	14
SL-3SVIDC	G12-00011	SL Burrs - Radius Cone Shape	3/8	1-1/16	1/4	2-13/16	14
SL-3SVIDF6M	G12-00012	SL Burrs - Radius Cone Shape	3/8	1-1/16	1/4	2-13/16	14
SL-3L6SVIDC	G12-00013	SL Burrs - Radius Cone Shape	3/8	1-1/16	1/4	7-1/16	14
SL-41SVIDC	G12-00014	SL Burrs - Radius Cone Shape	1/8	3/8	1/8	1-1/2	8
SL-4SVIDC	G12-00015	SL Burrs - Radius Cone Shape	1/2	1-1/8	1/4	3-1/64	14
SL-4SVIDF6M	G12-00016	SL Burrs - Radius Cone Shape	1/2	1-1/8	1/4	3-1/64	14
SL-4L6SVIDC	G12-00017	SL Burrs - Radius Cone Shape	1/2	1-1/8	1/4	7-1/8	14
SL-7SVIDF6M	G12-00018	SL Burrs - Radius Cone Shape	3/4	1-1/2	1/4	3-1/4	14

SM BURRS

Pointed Cone Shape



Double-cut



Dimensions

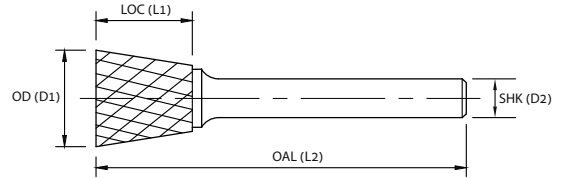
Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)	Angle DEG°
mm							
SM-42SVMDC	G17-00001	SM Burrs - Pointed Cone Shape	3	11	3	38	14
SM-43SVMDC	G17-00002	SM Burrs - Pointed Cone Shape	3	16	3	38	7
SM-1SVMDC	G17-00003	SM Burrs - Pointed Cone Shape	6	12.7	6	50	12
SM-2SVMDC	G17-00004	SM Burrs - Pointed Cone Shape	6	19	6	50	12
SM-4SVMDC	G17-00005	SM Burrs - Pointed Cone Shape	9.5	16	6	61	28
SM-5SVMDC	G17-00006	SM Burrs - Pointed Cone Shapes	12.7	22	6	67	28
Inch							
SM-1SVIDC	G17-00007	SM Burrs - Pointed Cone Shape	1/4	1/2	1/4	2	22
SM-41SVIDC	G17-00008	SM Burrs - Pointed Cone Shape	1/8	11/32	1/8	1-1/2	12
SM-4SVIDC	G17-00009	SM Burrs - Pointed Cone Shape	3/8	5/8	1/4	2-1/2	28
SM-43SVIDC	G17-00010	SM Burrs - Pointed Cone Shape	1/8	5/8	1/8	1-1/2	7
SM-5SVIDC	G17-00011	SM Burrs - Pointed Cone Shape	1/2	7/8	1/4	2-3/4	28

SN BURRS

Inverted Cone Shape



Double-cut



Dimensions

Ordering Code	Item Number	Description	OD (D1)	LOC (L1)	SHK (D20)	OAL (L2)	Angle DEG°
mm							
SN-42SVMDC	G16-00001	SN Burrs - Inverted Cone Shape	3	4	3	38	10
SN-51SVMDC	G16-00002	SN Burrs - Inverted Cone Shape	6.3	6	3	44	10
SN-2SVMDC	G16-00003	SN Burrs - Inverted Cone Shape	9.5	9.5	6	54.5	13
SN-4SVMDC	G16-00004	SN Burrs - Inverted Cone Shape	12.7	12.7	6	57.7	28
SN-6SVMDC	G16-00005	SN Burrs - Inverted Cone Shape	16	19	6	64	18

TROUBLESHOOTING

Challenge	Excessive Force	Heat From Rubbing Shank	Dull Flutes	Seized In / Against Workpiece	Tool Dropped	Poor Location in Collet	Worn Handpiece Bearings	Bent Shank	Poor Working Stability	Use Coarser Geometry	Use Finer Geometry	Use Double Cut or Chip Breaker Geometry	Soft Material - Lighten Feed	Increase RPMs	Decrease RPMs	Use Anti-stick Compound	Faster Feed Rate	Slower Feed	Abrasive Material	Poor Set-Up	Failure to Support / Engage Prior to RPM
Braze Failure	●	●	●	●	●																
Poor Hand Control						●	●	●	●		●	●								●	
Chipping				●	●				●					●							●
Carbide Fracture				●	●				●												
Plugging									●			●				●					
Handpiece Vibration														●	●		●	●		●	
Poor Workpiece Finish						●	●	●	●		●			●	●		●			●	
Poor Tool Life		●	●			●	●	●	●					●	●		●	●	●	●	
Lack of Available Handpiece RPMs												●		●							
Work Hardening of Workpiece	●		●							●		●			●			●			
Bent Shanks of Long Series Burrs																				●	●

SAFETY PRECAUTIONS

01

Exercise caution when handling sharp blades.

02

Wear proper gloves and use safety equipment on worksites.

03

Keep the work area clean and uncluttered.

04

Keep your hands free of grease and oil.

05

Discard blades when dull and do not sharpen blades.

06

Carefully wipe tools and blades after use.



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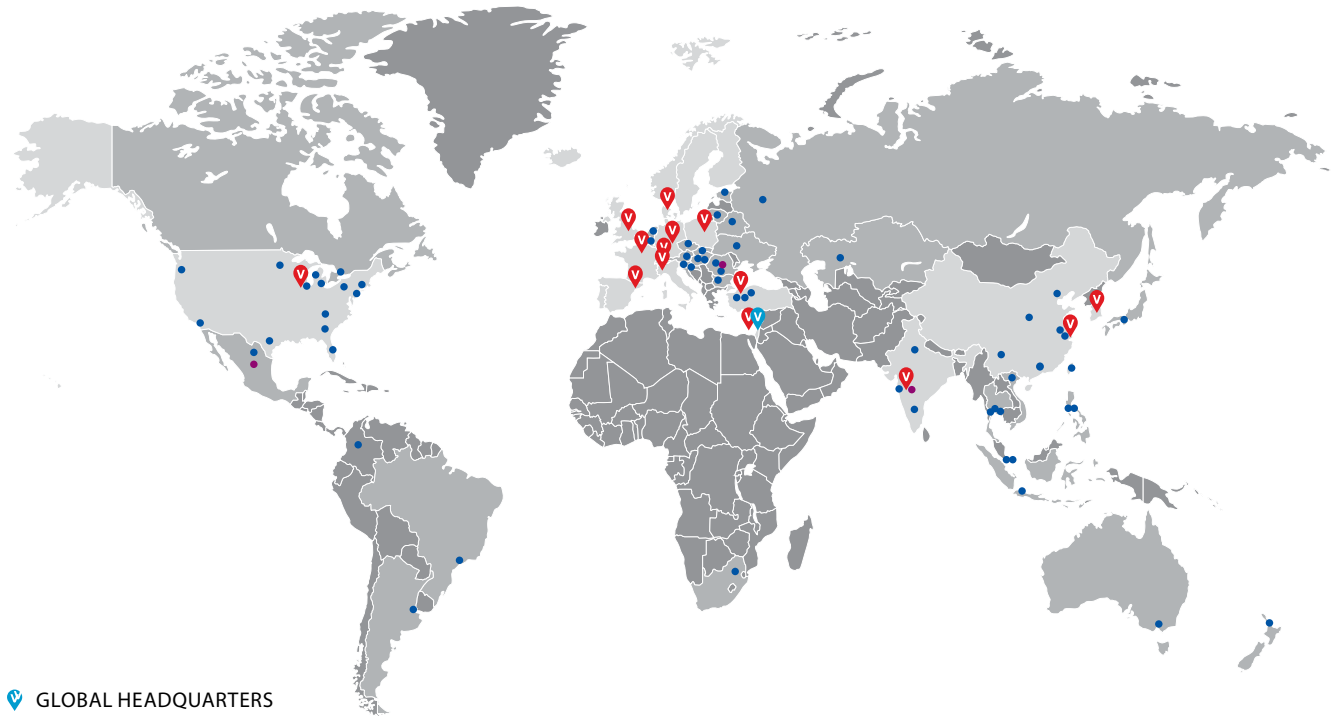
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