



SHAVIV

Deburring Solutions



The **Final**
Touch

About Vargus Ltd.

VARGUS The leading edge

VARGUS is a world leading developer, manufacturer and supplier of cutting and finishing tools to the metalworking and plastics industries. We offer tens of thousands of products from two major product lines: SHAVIV hand-deburring tools and VARDEX thread turning and thread milling tools.

Established in 1960, VARGUS is a member of the EHRENBERG GROUP, a diversified multi-national organization headquartered in Germany. Our international manufacturing and marketing operations serve customers in more than 100 countries around the globe.

Since VARGUS invented the SHAVIV Set 1, the original hand-deburring tool, the company has been setting the standard for innovation and high quality. VARGUS continues to provide top of the line products today, created through advanced research and development and manufactured in state-of-the-art ISO 9001 approved facilities. As a result, the SHAVIV product line includes the best known deburring tools in the world and is the choice of leading companies in the die & mold, automotive, aviation, plastics, electronics assembly, piping and other industries.

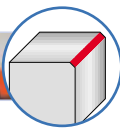
VARGUS is a customer-focused organization, committed to providing quality products and service, reliability, technical expertise and value to our customers. These principles have been responsible for our history of success and will continue to guide our approach to business in the future.



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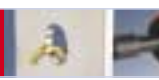
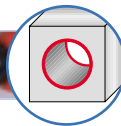
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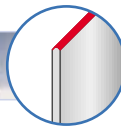
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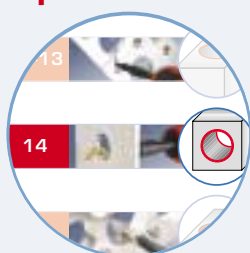
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Finding The Right Tool For The Job

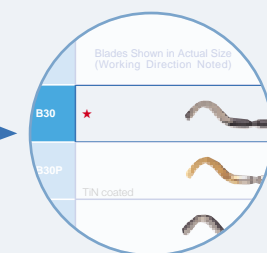
Option 1



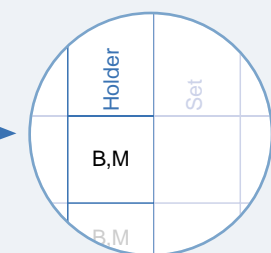
Choose your application from the index page.



Find your workpiece material



Select the best blade for your job



Pick your blade holder & handle

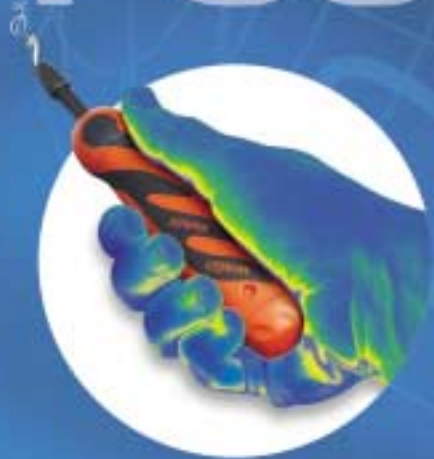
Option 2

Choose one of our popular ready-to-use sets (pages 25-33)



Mango The Ultimate Deburring Tool

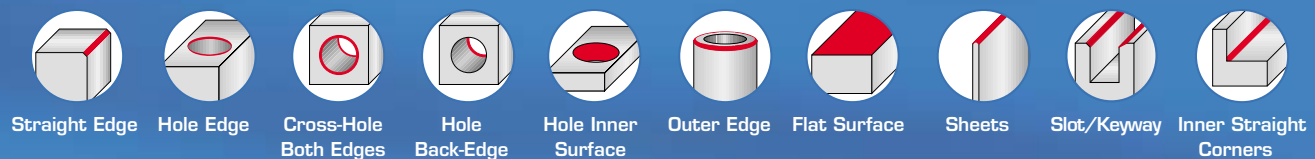
Ergonomics you can Feel



As part of our ongoing commitment to our customers, VARGUS invented Mango, the powerful, ergonomic tool for hand deburring. Why ergonomics? Because a hand tool was meant to be just that—a tool that fits your hand naturally and comfortably without causing painful pressure points that decrease productivity.

No effort was spared to create the perfect tool. We hired a team of experts to evaluate nearly 20 different handle designs. We set up focus groups and conducted vigorous field-tests that put each design to the test in typical real-life deburring operations. And then we developed the Mango using the latest, most advanced technologies, materials and design. The result: a modern and truly ergonomic deburring tool that lets you get the job done faster and safer. Best of all, the new Mango handle feels great even after hours of heavy use.

Handles all Materials and Applications



The new Mango handle is a complete solution that works interchangeably with every blade, holder and accessory in the SHAVIV product line. And it lets you tackle virtually any material and application. You get the flexibility and precision you need to deburr plastics, rubber and the softest materials, yet at the same time the power and control to give a professional finish to steels, cast iron and hard metals. No matter what the application—internal or external edges of straight or round components, flat surfaces, thin walls, thick walls, small holes or large holes—the Mango gets the job done.

Flexible Reach

With its unique design, the Mango lets you get the grip you want for the job at hand:

A Long reach The telescopic holder allows you to adjust the length and get to the most difficult-to-reach spots, quickly and effortlessly.

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

C Ergonomic end cap The smooth end cap does not rub your hand. Provides the most comfortable grip, even when applying force to clean up the most stubborn burrs.

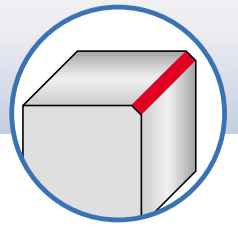


State of The Art Materials and Design

From texture to geometry, VARGUS engineers carefully designed every aspect and component of the new Mango for unsurpassed quality. Advanced materials were chosen for their remarkable low weight and, at the same time, 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. We even used recyclable materials that are just as friendly to the environment as they are to the sensitive surface of your skin. Whether its ergonomics, safety or functionality, the Mango offers you the leading-edge quality features you've come to expect from every VARGUS product.























Applications



Straight Edge

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■					●		B10	★  	B,M	B,M Basic	10	3BB10
■	■	■					●		B10L	Left hand  	B,M	-	10	3BB10---L
					■		●		B10C	Carbide  	B,M	-	10	3BB10-C
								■	B10D	Diamond coated  	B,M	-	10	3BB10-D
■	■	■			■		●		B10P	TiN coated  	B,M	-	10	3BB10-P
■	■	■			■		●		B10PL	TiN coated, left hand  	B,M	-	10	3BB10-P-L
■	■	■			■		●		B10S	Cobalt  	B,M	-	10	3BB10-S
●	■	■					■		B11	Extra thin nose  	B,M	-	10	3BB11
■	■	■					■		B12	★ Short nose  	B,M	-	10	3BB12
■	■	■			■		■		B12P	TiN coated  	B,M	-	10	3BB12-P

Excellent ■ Good ●

★ Popular

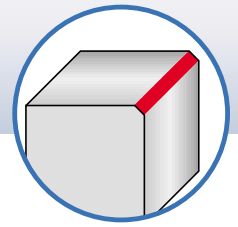
For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades

















Applications















Straight Edge

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
			■	■			●		B20	★  	B,M Basic	B,M	10	3BB20
						■	●		B20C	 	B,M	-	10	3BB20-C
			■	■			●		B20P	 	B,M	-	10	3BB20-P
●	●	●					■		B25	 	B,M	-	10	3BB25
●	●	●					■		B25C	 	B,M	-	10	3BB25-C
■	■	■			■		●		B1	 	B,M	-	10	3BB1

Heavy Duty

■	■	■					●		E100	★  	E,M	E,M, 1, Basic	10	3BE100
■	■	■					●		E100L	Left hand  	E,M	-	10	3BE100--L
					■		●		E100C	 	E,M	-	10	3BE100C
					■		●		E100CL	 	E,M	-	10	3BE100C-L
							■		E100D	Diamond coated  	E,M	-	10	3BE100D
■	■	■			■		●		E100P	 	E,M	-	10	3BE100P

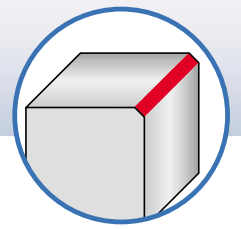
Excellent ■ Good ●

★ Popular

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades



















Applications



Straight Edge

Heavy Duty

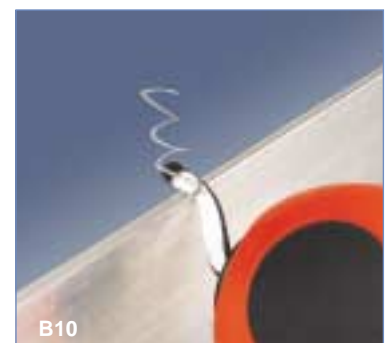
Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■			■	●	E100S	 	E,M	-	10	3BE100S
■	■	■				●	E110	 	E,M	-	10	3BE110
			■	■		●	E120	 	E,M	-	10	3BE120
■	■	■			■	●	E110P	 	E,M	-	10	3BE110P
■	■	■				■	E111	 	E,M	M	10	3BE111
			■	■		●	E200	 	E,M	E,M, 1, Basic	10	3BE200
					■	●	E200C	 	E,M	-	10	3BE200C
			■	■		●	E200P	 	E,M	-	10	3BE200P
●	●	●				■	E250	 	E,M	-	10	3BE250
			■	■		●	E350	 	E,M	-	10	3BE350

Excellent ■ Good ●

★ Popular

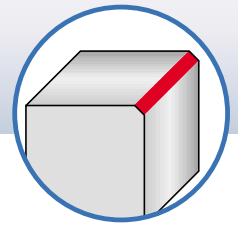
For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades





Applications



Straight Edge

Heavy Duty

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code	
■	■	■				■	E700		E,M	-	10	3BE700	
			■	■		■	E720		E,M	-	10	3BE720	
						■	E750		E,M	-	10	3BE750	
							E750	For rubber & soft plastic					
■	■	■	■	■	■	■	E755		E,U	-	5	3BE755	
							E755	For 1 mm steps					
■	■	■			●	■	E800		E,M	-	10	3BE800	
							E800	Very short nose					
■	■	■			■	●	E10		E,M	-	10	3BE10	
							E10	Cobalt					
A ■	A ■	A ■	B ■	B ■	A ■	A ■ B ■	R10	★ Side A - For spiral chips Side B - For powdery chips Not shown in full size		BR	Burr-Bi	10	3BR10
■	■	■			■	●	R20	★ Not shown in full size		BR	-	10	3BR20
■	■	■			■	●	R30	For round finish Not shown in full size		BR	-	10	3BR30

Excellent ■ Good ●

★ Popular

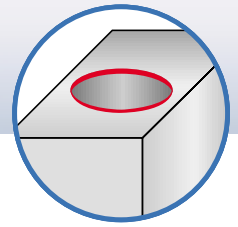
For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades















Applications



Hole Edge

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Minimum Hole Diameter	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■					●		4 mm (0.16")	B10	★ 	B,M	B,M	10	3BB10
■	■	■					●		4 mm (0.16")	B10L	Left hand 	B,M	-	10	3BB10---L
					■	●			4 mm (0.16")	B10C	Carbide 	B,M	-	10	3BB10-C
								■	4 mm (0.16")	B10D	Diamond 	B,M	-	10	3BB10-D
■	■	■			■		●		4 mm (0.16")	B10P	TiN coated 	B,M	-	10	3BB10-P
■	■	■			■		●		4 mm (0.16")	B10PL	TiN coated, left hand 	B,M	-	10	3BB10-P-L
■	■	■			■		●		4 mm (0.16")	B10S	Cobalt 	B,M	-	10	3BB10-S
●	■	■				■			2 mm (0.08")	B11	Extra thin nose 	B,M	-	10	3BB11
■	■	■				■			3.5 mm (0.14")	B12	Short nose 	B,M	-	10	3BB12
■	■	■			■				3.5 mm (0.14")	B12P	TiN coated 	B,M	-	10	3BB12-P

Excellent ■ Good ●

★ Popular

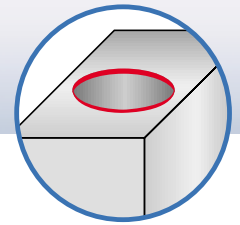
For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades











Applications

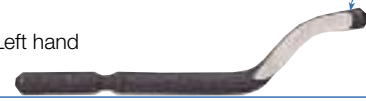


Hole Edge

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Minimum Hole Diameter	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
			■	■			●		3.5 mm (0.14")	B20	★  ↻	B,M	B,M Basic	10	3BB20
						■	●		3.5 mm (0.14")	B20C	 ↻ Carbide	B,M	-	10	3BB20-C
			■	■			●		3.5 mm (0.14")	B20P	 ↻ TiN coated	B,M	-	10	3BB20-P
●	●	●				■			3 mm (0.12")	B25	 ↻ Very thin blade	B,M	-	10	3BB25
●	●	●				■			3 mm (0.12")	B25C	 ↻ Carbide, very thin blade	B,M	-	10	3BB25-C
■	■	■			■		●		4 mm (0.16")	B1	 ↻ Cobalt	B,M	-	10	3BB1

Heavy Duty

■	■	■					●		4.5 mm (0.18")	E100	★  ↻	E,M	E,M, 1, Basic	10	3BE100
■	■	■					●		4.5 mm (0.18")	E100L	Left hand  ↻	E,M	-	10	3BE100--L
						■	●		3.5 mm (0.14")	E100C	 ↻ Carbide	E,M	-	10	3BE100C
						■	●		3.5 mm (0.14")	E100CL	 ↻ Carbide, left hand	E,M	-	10	3BE100C-L
						■			4.5 mm (0.18")	E100D	 ↻ Diamond	E,M	-	10	3BE100D
■	■	■			■		●		4.5 mm (0.18")	E100P	 ↻ TiN coated	E,M	-	10	3BE100P

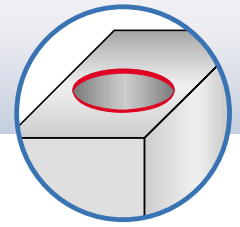
Excellent ■ Good ●

★ Popular

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades



Applications



Hole Edge

Heavy Duty

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass	Minimum Hole Diameter	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■			■		●		4.5 mm (0.18")	E100S	 Cobalt	E,M	-	10	3BE100S
■	■	■					■		2 mm (0.08")	E110	 Thin nose	E,M	-	10	3BE110
			■	■			●		2 mm (0.08")	E120	 Thin nose	E,M	-	10	3BE120
■	■	■			■		■		2 mm (0.08")	E110P	 TiN coated, thin nose	E,M	-	10	3BE110P
■	■	■					■		1.5 mm (0.06")	E111	 Very thin nose	E,M	M	10	3BE111
			■	■			●		4.5 mm (0.18")	E200	 ★	E,M	E,M, 1, Basic	10	3BE200
					■		●		3.5 mm (0.14")	E200C	 Carbide	E,M	-	10	3BE200C
			■	■			●		4.5 mm (0.18")	E200P	 TiN coated	E,M	-	10	3BE200P
●	●	●					■		4.5 mm (0.18")	E250	 Very thin blade	E,M	-	10	3BE250
			■	■					4.5 mm (0.18")	E350		E,M	-	10	3BE350
		■					■		8 mm (0.31")	E750	 For rubber & soft plastic	E,M	-	10	3BE750
■	■	■					■		3 mm (0.12")	E800	 Very short nose	E,M	-	10	3BE800
■	■				■		●		4.5 mm (0.18")	E10	 Cobalt	E,M	-	10	3BES10

Excellent ■ Good ●

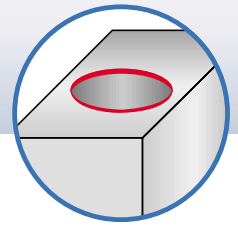
Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades






Applications



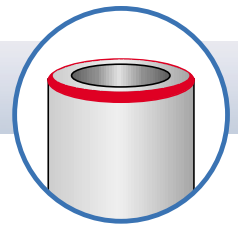
Hole Edge

Heavy Duty Chamfering



Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Range \varnothing	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■	●	●	●	●	1.5 - 12 mm (0.06" - 0.47")	F12		F,FR	-	1	3BF12
■	■	■	●	●	●	●	2.5 - 20 mm (0.1" - 0.79")	F20 ★		F,FR	F _r RatchetBurr	1	3BF20
■	■	■	●	●	●	●	2.5 - 30 mm (0.1" - 1.18")	F30		F,FR	-	1	3BF30



Outer Edge



Heavy Duty

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Range \varnothing	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
A ■	A ■	A ■	B ●	B ●	A ●	B ● A	20mm and up (0.79" and up)	L10	 <p>"A" side for materials with spiral chips "B" side for materials with powdery chips</p>	L, L5, LP	L	10	3BL10
■	■	■	■	■	■	■	3 - 26 mm (0.12" - 1.02")	F26X ★		F,FR	F _r RatchetBurr	1	3BF26X

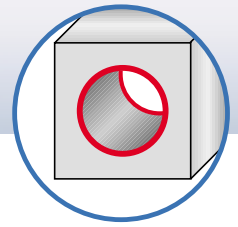
Excellent ■ Good ●

Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades






Applications






Cross-Hole, Both Edges

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Blade Dimensions		Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code	
							Minimum A	Maximum B							
■	■	■				■	4 mm (0.16")	4 mm (0.16")	B30	★		B,M	B Basic	10	3BB30
■	■	■			■	■	4 mm (0.16")	4 mm (0.16")	B30P			B,M	-	10	3BB30-P
			■	■		■	4 mm (0.16")	4 mm (0.16")	B32			B,M	-	10	3BB32

Heavy Duty

■	■	■				■	5 mm (0.20")	6 mm (0.24")	E300	★		E,M	E,1 Basic	10	3BE300
■	■	■			■	■	5 mm (0.20")	6 mm (0.24")	E300P			E,M	-	10	3BE300P
			■	■		■	5 mm (0.20")	6 mm (0.24")	E320			E,M	-	10	3BE320

Excellent ■ Good ●

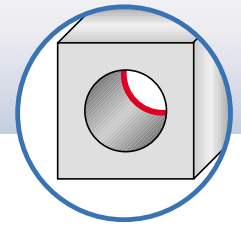
Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades






Applications



Hole Back-Edge

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Blade		Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code	
							A Minimum Diameter	B Maximum Thickness						
■	■	■				●	6 mm (0.24")	20 mm (0.79")	B60 ★		B,M	-	10	3BB60

*B60: Not recommended for use with Adapter B

Heavy Duty

■	■	■	●	●	●	■	4.5 mm (0.18")	120 mm (4.72")	C40 ★		C	C1	10	3BC40
■	■	■	●	●	●	■	9 mm (0.35")	130 mm (5.12")	C42 ★		C	C	10	3BC42
■	■	■	●	●	●	■	9.5 mm (0.37")	65 mm (2.56")	C50		HC1	HC5	1	3BC50
Not shown in full size														
■	■	■	●	●	●	■	5.5 mm (0.22")	65 mm (2.56")	C60		HC1	HC6	1	3BC60
Not shown in full size														
■	■	■				■	7 mm (0.28")	20 mm (0.79")	E600 ★		E,M	-	10	3BE600
■	■	■				■	8 mm (0.31")	40 mm (1.57")	E601		E,M	-	10	3BE601
Not shown in full size														
■	■	■				■	6 mm (0.23")	17 mm (0.67")	E700		E,M	-	10	3BE700
			■	■			6 mm (0.23")	17 mm (0.67")	E720		E,M	-	10	3BE720

Excellent ■ Good ●

Popular ★

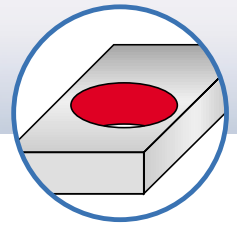
For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades











Applications



Hole Inner Surface

Heavy Duty

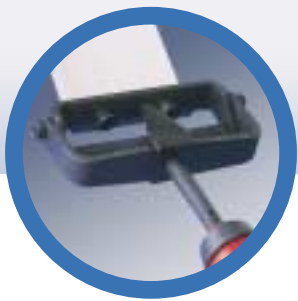
Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Plastics	Minimum Hole Diameter	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■	●	●	●	■	4.5 mm (0.18")	C40	★ 	C	C40	10	3BC40
■	■	■	●	●	●	■	9 mm (0.35")	C42	★ 	C	C	10	3BC42
■	■	■	●	●	●	■	9.5 mm (0.37")	C50	 Not shown in full size	HC1	HC5	1	3BC50
■	■	■	●	●	●	■	5.5 mm (0.22")	C60	 Not shown in full size	HC1	HC6	1	3BC60
■	■	■				■	3.2 mm (0.13")	E700		E,M	-	10	3BE700
			■	■		■	3.2 mm (0.13")	E720		E,M	-	10	3BE720
■	■	■	●	●	●	■	3.5 mm (0.14")	BUS1		U	U	5	3BUS1

Excellent ■ Good ●

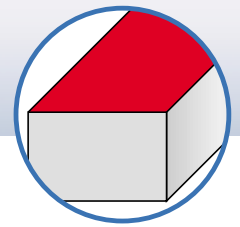
Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades





Applications



Flat Surface

Heavy Duty

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Range	Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
■	■	■	●	●	●		■	16 mm (0.63")	C40	★ 	C	C1	10	3BC40
■	■	■	●	●	●		■	18 mm (0.71")	C42	★ 	C	C	10	3BC42
■	■	■	●	●	●		■	18 mm (0.71")	C50	 Not shown in full size	HC1	HC5	1	3BC50
■	■	■	●	●	●		■	18 mm (0.71")	C60	 Not shown in full size	HC1	HC6	1	3BC60
■	●	●		●	●	■	■	11 mm (0.43")	D80	Carbide 	D	D	10	3BD80
■	■	■	■	■	●	■	●	0.01	B50	Carbide tip 	B,M	-	10	3BB50
■	■	■	■	■	●	■	●	0.01	E500C	Carbide tip 	E,U	-	10	3BE500C
■	■	■				■	■	17 mm (0.67")	E700		E,M	-	10	3BE700
			■	■		■	■	17 mm (0.67")	E720		E,M	-	10	3BE720
■	■	●	●	●	●	●	●	50 mm (1.97")	K10	Carbide 	K	K	10	3BK10
■	■	■	●	●	●		■	6 mm (0.24")	BUS1		U	U	5	3BUS1
■	■	■	■	■	■		■	2.5 mm (0.10")	BUS2		U	-	5	3BUS2
■	■	■	■	■	■		■	3 mm (0.12")	BUS4		U	U	5	3BUS4

Excellent ■ Good ●

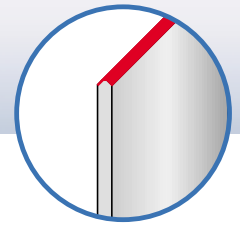
Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33

Safety Note: Exercise caution when handling sharp blades



Applications



Sheets

Normal Use

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics		Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code
								Range						
■	■	■	●	●	●	■	●	1 - 4.5 mm (0.04" - 0.18")	B70	* Carbide	B	-	10	3BB70

Heavy Duty

■	●	●	●	●	●	■	■	0.5 - 4 mm (0.02" - 0.16")	D80	* ★ Carbide	D	D	10	3BD80
■	●	●	●	●	●	■	■	3 - 9 mm (0.12" - 0.35")	D82	* Carbide	D	D2	10	3BD82
■	■		■	●				2 - 6 mm (0.08" - 0.24")	D85	* 	D5	D5	10	3BD85
A ■	A ■	A ■		B ■	A ■		A ■ B ■	0.5 - 14 mm (0.02" - 0.55")	R10	★ Side A - For spiral chips Side B - For powdery chips Not shown in full size	BR	Burr-Bi	10	3BR10
■	■	■			■		●	0.5 - 14 mm (0.02" - 0.55")	R20	★ Not shown in full size	BR	-	10	3BR20
■	■	■			■		●	0.5 - 16 mm (0.02" - 0.63")	R30	For round finish Not shown in full size	BR	-	10	3BR30

Excellent ■ Good ●

Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33

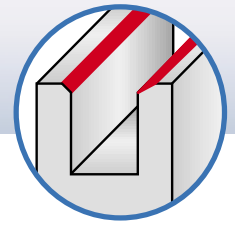
*Recommendation: Use with Handguard

Safety Note: Exercise caution when handling sharp blades





Applications



Slot Keyway

Heavy Duty

Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics		Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Included in Set	Units Per Package	Ordering Code	
								Range A							
■	■	●	●	●	●		●	3 - 15 mm (0.12" - 0.59")	G10	★		G G4	G	10	3BG10
■	■	●	●	●	●		●	2.5 - 10 mm (0.1" - 0.39")	G20			G G4	-	10	3BG20
■	■	●	●	●	●	■	●	1 - 10 mm (0.04" - 0.39")	G40C	Carbide		G G4	-	10	3BG40-C

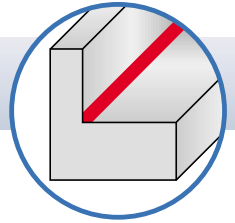
Excellent ■ Good ●

Popular ★


For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades



Inner Straight Corners



Heavy Duty


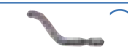


































Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics		Blade	Blades Shown in Actual Size (Working Direction Noted)	Fits Holder	Part of Set	Units Per Package	Ordering Code	
								Minimum α Angle							
■	■	■	●	●	●		■	65°	G30	★		G3	G3	10	3BG30
■	■	■	●	●	●	■	■	65°	G30C	Carbide		G3	-	10	3BG30-C
■	■	■	■	■	■		■	90°	BUS2			U	-	5	3BUS2
■	■	■	■	■	■		■	90°	BUS4			U	U	5	3BUS4

Excellent ■ Good ●

Popular ★

For more information: Blades 20-21, Holders 22-23, Sets 25-33
Safety Note: Exercise caution when handling sharp blades

Blades Index

Blade	Description	Picture	Applications											Materials							
			Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Flat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass
B10	HSS. Deburrs materials with spiral chips.		●	●									●	●	●				●		
B10C	Solid carbide, B10 geometry.		●	●														●	●		
B10D	Diamond-coated. B10 geometry.		●	●																●	
B10L	B10 for left-handed users.		●	●									●	●	●				●		
B10P	PVD TiN coated for high resistance to wear. B10 geometry.		●	●									●	●				●	●		
B10PL	B10 coated with PVD TiN for left-handed users.		●	●									●	●				●	●		
B10S	Long-lasting, cobalt-enriched. B10 geometry.		●	●									●	●	●			●	●		
B11	Extra thin, HSS. Deburrs holes with min. diameter 2 mm (0.08").		●	●									●	●	●				●		
B12	Short-nosed, HSS.		●	●									●	●	●				●		
B12P	Short-nosed, PVD TiN coated for high resistance to wear.		●	●									●	●				●	●		
B20	HSS. Rotates clockwise & counterclockwise.		●	●											●	●			●		
B20C	Solid carbide. Rotates clockwise & counterclockwise.		●	●													●		●		
B25	Thin-nosed. Specially designed for plastics.		●	●									●	●	●				●		
B25C	Solid carbide, thin-nosed. Specially designed for abrasive plastics.		●	●									●	●	●				●		
B30	Simultaneously deburrs the inside and outside of holes up to 4 mm (0.16") thick.					●							●	●	●				●		
B30P	PVD TiN coated for high resistance to wear. B30 geometry.					●							●	●	●				●		
B32	Rotates clockwise & counterclockwise. B30 geometry.					●									●	●			●		
B50	Carbide tipped scriber.								●				●	●	●	●	●	●	●	●	
B60	HSS. Removes burrs from back-edge of holes up to 20 mm (0.8") thick.						●						●	●					●		
B70	Carbide tipped. Deburrs sheet metal up to 4.5 mm (0.18") thick.								●				●	●	●	●	●	●	●	●	
B1	Long-lasting, cobalt-enriched. Deburrs materials with spiral chips.		●	●									●	●	●				●		
C40	Small, 4 mm (0.16"), triangular HSS scraper for precision work.						●	●	●				●	●	●	●	●	●	●	●	
C42	Standard size, 8 mm (0.31"), triangular HSS scraper.						●	●	●				●	●	●	●	●	●	●	●	
C50	Double-sided, 7.8 mm (0.30"), triangular scraper.						●	●	●				●	●	●	●	●	●	●	●	
C60	Double-sided, 4.8 mm (0.19"), triangular scraper.						●	●	●				●	●	●	●	●	●	●	●	
D80	Solid carbide, 6 cutting edges. Scrapes surfaces and deburrs sheetmetal up to 4 mm (0.16") thick.								●	●			●	●	●	●	●	●	●	●	
D82	Heavy duty, double-edged carbide blade. Deburrs sheetmetal up to 9 mm (0.35") thick.								●				●	●	●	●	●	●	●	●	
D85	Tough HSS with chipbreaker and 6 cutting edges. Deburrs sheetmetal up to 6 mm (0.24") thick.								●				●	●	●	●	●				
E100	Heavy-duty HSS. Deburrs materials with spiral chips.		●	●									●	●	●				●		
E100C	Wear resistant carbide. E100 geometry.		●	●														●	●		
E100D	Diamond-coated. E100 geometry.		●	●																●	
E100L	E100 for left-handed users.		●	●									●	●	●				●		
E100P	PVD TiN coated for high resistance to wear. E100 geometry.		●	●									●	●				●	●		
E100S	Long-lasting, cobalt-enriched. E100 geometry.		●	●									●	●	●			●	●		
E110	E shaft, B10 cutting edge for materials with spiral chips. Deburrs holes with min. diameter 2 mm (0.08").		●	●									●	●	●				●		
E110P	PVD TiN coated for high resistance to wear. E110 geometry.		●	●									●	●	●			●	●		

★ Popular Blades

Safety Note: Exercise caution when handling sharp blades

ØB - 2.6 mm
ØE - 3.2 mm

Blades Index

Blade	Description	Picture	Applications											Materials							
			Straight Edge	Hole Edge	Outer Edge	Cross-Hole Both Edges	Hole Back-Edge	Hole Inner Surface	Flat Surface	Sheet	Slot/Keyway	Inner Straight Corners	Steel	Aluminium	Copper	Brass	Cast Iron	Stainless Steel	Hardened Steel	Plastics	Carbide & Glass
E111	Thin-nosed, HSS. Deburrs holes with min. diameter 1.5 mm (0.06").		●	●									●	●	●					●	
E120	E shaft, B20 cutting edge for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●												●	●			●	
E200	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.	★	●	●												●	●			●	
E200C	Wear resistant carbide. E200 geometry.		●	●														●		●	
E250	Specially designed for plastics. Very thin, heavy duty.		●	●									●	●	●					●	
E300	HSS for materials with spiral chips. Simultaneously deburrs the inside and outside of holes up to 6 mm (0.24") thick.	★				●							●	●	●					●	
E300P	PVD TiN coated for high resistance to wear. E300 geometry.					●							●	●	●			●		●	
E320	HSS for materials with powdery chips. Simultaneously deburrs the inside and outside of holes up to 6 mm (0.24") thick. Rotates clockwise & counterclockwise.					●										●	●			●	
E350	HSS for materials with powdery chips. Rotates clockwise & counterclockwise.		●	●												●	●			●	
E500C	Carbide tipped scriber.							●					●	●	●	●	●	●	●	●	●
E600	HSS. Removes burrs from back-edge of holes up to 20 mm (0.8") thick.	★					●						●	●	●					●	
E601	Extra-long HSS. Removes burrs from back-edges of holes up to 40 mm (1.6") thick.						●						●	●	●					●	
E700	HSS for materials with spiral chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes.						●	●					●	●	●					●	
E720	HSS for materials with powdery chips. Excellent for deburring & scraping inside thick-walled holes and cross-holes. Rotates clockwise & counterclockwise.						●	●								●	●			●	
E750	HSS specially designed for deburring rubber & soft plastics without poking or sticking into workpiece.		●	●																●	
E755	HSS for deburring corner-edges of 1 mm (0.04") high steps.		●										●	●	●	●	●	●	●	●	●
E800	HSS for materials with spiral chips. Removes burrs from corner-edges of shallow steps.		●	●									●	●	●					●	
E10	Long-lasting, cobalt-enriched for materials with spiral chips. Ideal for heavy duty jobs.		●	●									●	●	●		●			●	
F12	Countersink for hole-edges with up to 12 mm (0.47") diameter.					●							●	●	●	●	●	●	●	●	●
F20	Countersink for hole-edges with up to 20 mm (0.79") diameter.	★				●							●	●	●	●	●	●	●	●	●
F30	Countersink for hole-edges with up to 30 mm (1.18") diameter.					●							●	●	●	●	●	●	●	●	●
F26X	Excellent for external chamfering of pipes, tubes and other items with up to 26 mm (1.02") diameter.	★				●							●	●	●	●	●	●	●	●	●
G10	HSS. Deburrs slots up to 15 mm (0.59") wide.	★									●		●	●	●	●	●	●	●	●	●
G20	HSS, 4 cutting corners. For slots up to 10 mm (0.39") wide.										●		●	●	●	●	●	●	●	●	●
G40C	Carbide, 4 cutting corners. For slots up to 10 mm (0.39") wide.										●		●	●	●	●	●	●	●	●	●
G30	HSS, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces.										●		●	●	●	●	●	●	●	●	●
G30C	Solid carbide, 3 cutting corners. Cleans corners and removes radii after machining for smooth flush mating of adjoining faces.										●		●	●	●	●	●	●	●	●	●
K10	Double-edged, carbide. Deburrs surfaces up to 50 mm (1.97") wide.										●		●	●	●	●	●	●	●	●	●
L10	HSS, 4 cutting edges. Deburrs external edges, OD 20 mm (0.79") and up. 'A' side for materials with spiral chips, 'B' side for powdery chips.				●								●	●	●	●	●	●	●	●	●
R10	Double-sided, round HSS blade. 'A' side deburrs materials with spiral chips, 'B' side deburrs materials with powdery chips.	★	●	●									●	●	●	●	●	●	●	●	●
R20	Double-edged, round HSS blade for massive deburring tasks on materials with spiral chips.	★	●	●									●	●	●					●	
R30	Produces arc-shaped finish on materials up to 16 mm (0.63") thick. Use a single R30 for one straight edge, or two blades at once to deburr both edges simultaneously.		●	●									●	●	●					●	
BUS1	Fine-finishing triangular scraper.												●	●	●	●	●	●	●	●	●
BUS2	Fine-finishing flat scraper.												●	●	●	●	●	●	●	●	●
BUS31	Fine-finishing round scraper.												●	●	●	●	●	●	●	●	●
BUS4	Fine-finishing hooked corner scraper.												●	●	●	●	●	●	●	●	●

★ Popular Blades

Safety Note: Exercise caution when handling sharp blades

ØB - 2.6 mm
ØE - 3.2 mm



Holders

Blade Holder B

Holds all B blades.

Ordering Code: 3LB



Mango Adapter B

Ordering Code: 3LAB--VIP

Provides a firm and extra-close grip.
Holds B-series blades.



Mango Adapter E

Ordering Code: 3LAE--VIP

Provides a firm and extra-close grip.
Holds all E-series blades



Blade Holder E

Holds all E blades.

Ordering Code: 3LE



Blade Holder M

Holds two different blade types. Takes B-
or E-series blades.

Ordering Code: 3LM



Blade Holder C

Holds C40 & C42 blades

Ordering Code: 3LC



Blade Holder D

Holds D80 & D82 blades.

Ordering Code: 3LD



Blade Holder D5

Holds the D85 blade.

Ordering Code: 3LD5



Blade Holder F

Holds all F blades.

Ordering Code: 3LF



Blade Holder FR

Ratchet holder for all F blades.

Ordering Code: 3LFR



Blade Holder Burr-Bi BR

Holds all R blades.

Ordering Code: 3LBR





Holders

Blade Holder U

Holds all BUS blades.



Ordering Code: 3LU

Blade Holder L

Holds the L10 blade.



Ordering Code: 3LL

Blade Holder L5

Angled to offer easy access to work area. Holds L10 blade.



Ordering Code: 3LL5

Blade Holder LP Plastic Roller

Built with plastic roller for deburring plastics without nicking or scratching the workpiece. Holds L10 blade.



Ordering Code: 3LLP

Blade Holder G

Holds G10, G20 & G40C blades.



Ordering Code: 3LG

Blade Holder G4

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



Ordering Code: 3LG4

Blade Holder G3

Angled to offer easy access to work area. Holds G30 blades.

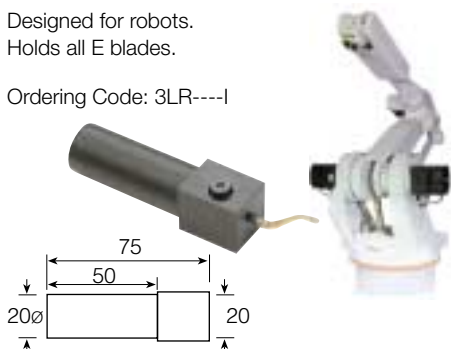


Ordering Code: 3LG3

Shaviv Robot Adapter

Designed for robots. Holds all E blades.

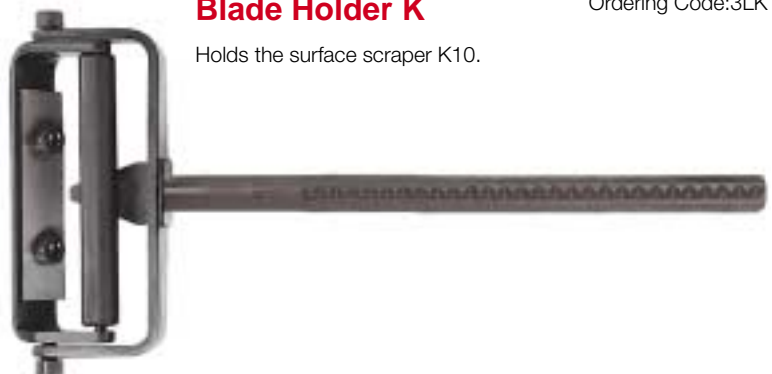
Ordering Code: 3LR---I

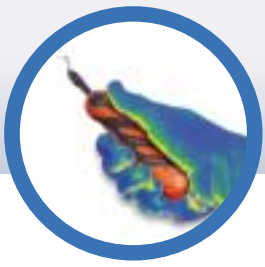


Blade Holder K

Holds the surface scraper K10.

Ordering Code: 3LK





Handles

Mango Handle

Ordering Code: 3HM---VIP

The original ergonomic handle, engineered for maximum comfort & performance. Features a comfortable, anti-slip surface and smooth back cap. Works with all Shaviv blade holders and blades. Also takes the unique Mango Adapters, designed to hold B & E-series blades closer to the handle and give you a firm, power grip. Large storage inside handle for spare blades.



See page 4-5 for more information.

Classic Handle A

Ordering Code: 3HA---I

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



Handle A (Aluminium)

Ordering Code: 3HA---Al

Classic universal handle, heavy duty aluminium version. Accepts all Shaviv blade holders.



Handle 1

Ordering Code: 3H1----I

Non-telescopic handle, excellent for heavy-duty deburring tasks. All E-series blades fit directly into handle. To store spare blades inside handle, simply unscrew the back cap.



HandyChuck Pin Vise

Ordering Code: 3SHC1--I

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



Handguard

Ordering Code: 3PG----I

Stainless steel handguard to protect your hand, especially when working with sharp edges. Attaches to all Shaviv blade holders. Conveniently slides into position and locks. Highly recommended for Sets D and G.





Popular Sets

Set B The Workhorse

Highly popular sets for deburring holes, slots & edges on metals and plastics. Each set comes with a B Holder that accepts all B blades. Blades can be inserted on the holder axis or perpendicular to holder. Recommendation: For maximum comfort, select the Mango Handle with Holder B or with Mango Adapter B when you need an extra close grip.

Basic Mango

The first and most advanced ergonomic hand-deburring sets for all B and E blades. Each set features the unique Mango handle, engineered for unparalleled comfort, safety and high performance. This tool is extremely powerful yet lightweight. Comes with the special Mango Adapter for an extra-close grip. Offers large storage space for spare blades.



Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set B	Mango	B & Mango Adapter B	B10 B20	3SB---VIP
Shaviv Set B	Classic Handle A	B	B10 B20	3SB---I
Shaviv Set B Aluminium	Handle A Aluminium	B	B10 B20	3SB---AI

Available Sets	Handle	Holder	Blades	Ordering Code
Mango Basic B	Mango	Mango Adapter B	B10 B20 B30	351B--VIP
Mango Basic E	Mango	Mango Adapter E	E100 E200 E300	3S1E--VIP
Mango Basic B & E	Mango	Mango Adapter B & E	B10 B20 B30 E100 E200 E300	3S1BE-VIP



Mango



Classic Handle A



Aluminium



Popular Sets

Set C The Scraper

Designed for high quality finishing & scraping. Features triangular blades with 3 cutting edges and a telescopic blade holder that lets you reach hard to access areas. Provides maximum grip comfort when used with Mango Handle. Suggestion: Use the key supplied to safely release and remove blades.

Set U Finishing Scraper

Delivers a fine finish to precision workpieces. Each set comes with 3 different types of BUS scraper blades for hard to reach places on surfaces, gates, slots & holes. Supplied with a U Holder that is designed for non-rotational deburring and supports all BUS scraper blades. Recommendation: For best grip, select the ergonomic Mango Handle.



Available Sets	Handle	Holder	Blades	Key	Ordering Code	Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set C	Mango	C	C42	C	3SC ---VIP	Mango Set U	Mango	U	BUS1 BUS31 BUS4	3SU ---VIP
Shaviv Set C	Classic Handle A	C	C42	C	3SC----I	Shaviv Set U	Classic Handle A	U	BUS1 BUS31 BUS4	3SU----I
Mango Set C40	Mango	C	C40	C	3SC1--VIP					



Mango



Classic Handle A



Popular Sets

Set E Heavy DeBurr

Rugged deburring set for heavy-duty deburring of holes, slots and edges. Each set comes with an E Holder that supports any E blade. For the utmost comfort, select the Mango Handle with Holder E. When you need an extra-close grip, use the Mango Handle with Mango Adapter E.



Set M The 2 in 1

Deburs holes, slots & edges on metals and plastics. For maximum comfort, use the Mango Handle with Holder M, which supports both B and E blades. When you need an extra-close grip, use the Mango Handle with Mango Adapter B or E.



Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set E	Mango	E & Mango Adapter E	E100 E200 E300	3SE ---VIP
Shaviv Set E	Classic Handle A	E	E100 E200 E300	3SE----I

Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set M	Mango	M & Mango Adapter B&E	B10 B20 B30 E100 E200 E111	3SM ---VIP
Shaviv Set M	Classic Handle A	M	B10 B20 B30 E100 E200 E111	3SM----I



Mango



Classic Handle A



Popular Sets

Set Burr-Bi Heavy-Duty Sheet Cleaner

Designed for heavy-duty materials that have single or double straight edges up to 14 mm (0.56") thick and produce spiral or powdery chips. Each set comes with two round R10 blades that can be used either one-at-a-time or two-at-a-time. Holder also supports R30 blades for arc shaped finishes on workpieces up to 16 mm (0.63") thick. Includes an attached Handguard for worker safety. Recommendation: For the best grip, select the ergonomic Mango Handle.



Set D The Sheet Cleaner

Gives you the perfect combination of tools for deburring sheet metal from 3 mm to 8 mm thick (0.12" - 0.31"). Sets available with three different types of blades, designed to get rid of burrs on both sides of the sheet in one pass. Recommendation: For the best grip, select the ergonomic Mango Handle.



* Recommendation: Use with Handguard (3PG---I)

Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set Burr-Bi	Mango	BR	R10 x 2	BR	3SBR--VIP
Shaviv Set Burr-Bi	Classic Handle A	BR	R10 x 2	BR	3SBR--I

Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set D	Mango	D	D80	D	3SD---VIP
Shaviv Set D	Classic Handle A	D	D80	D	3SD---I
Mango Set D5	Mango	D5	D85	D	3SD5--VIP
Shaviv Set D5	Classic Handle A	D5	D85	D	3SD5--I
Mango Set D2	Mango	D	D82	D	3SD2--VIP
Shaviv Set D2	Classic Handle A	D	D82	D	3SD2--I



Mango



Classic Handle A



Popular Sets

Set F The Countersink

Each set comes with a powerful countersink tool, most useful for chamfering and countersinking. Recommendation: For the best grip, select the ergonomic Mango Handle.



Set FR RatchetBurr

Each set comes with the FR ratchet holder, perfect for repetitive rotational chamfering jobs, even when standard rotational deburring is impossible due to limited workspace. Removes burrs from tubes and cylinders made from a variety of materials. 3 sets available for different applications including: Outer Diameter (OD) chamfering up to 26 mm (1.02"); Inside Diameter (ID) chamfering up to 20 mm (0.79") and for both the Inner Diameter and Outer Diameter (IDOD). Recommendation: For the best grip, select the ergonomic Mango Handle.

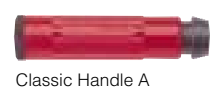


Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set F	Mango	F	F20	3SF---VIP
Shaviv Set F	Classic Handle A	F	F20	3SF----I

Available Sets	Handle	Holder	Blades	Ordering Code
Mango Set FR - For ID	Mango	FR	F20	3SFR---VIP
Shaviv Set FR - For ID	Classic Handle A	FR	F20	3SFR---I
Mango Set BURR-EX - For OD	Mango	FR	F26X	3SFRX---VIP
Shaviv Set BURR-EX - For OD	Classic Handle A	FR	F26X	3SFRX---I
MANGO Set RatchetBurr ODID	Mango	FR	F20 F26X	3SFRXVIP



Mango



Classic Handle A



Popular Sets

Set L External Pipe-Edge Cleaner

These sets are great for removing burrs from the external edges of pipes and tubes. Designed for 20 mm (0.79") diameter and up. Select the blade holder that best suits your application:

- Blade Holder L - comes with a metal roller.
- Blade Holder L5 - angled for added convenience.
- Blade Holder LP - comes with a plastic roller that prevents nicking or scratching of plastic workpieces.



Set K Surface Scraper

Each set contains the original industrial surface scraper, perfectly designed for effectively cleaning surfaces. The pulling or pushing action makes it ideal for smoothing metal and plastic surfaces as well as scraping and removing paint and varnishes. Recommendation: For the best grip, select the ergonomic Mango Handle.



Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set L	Mango	L	L10	L	3SL--VIP
Shaviv Set L	Classic Handle A	L	L10	L	3SL---I
Mango Set L5	Mango	L5	L10	L	3SL5--VIP
Mango Set L5	Classic Handle A	L5	L10	L	3SL5---I
Mango Set LP	Mango	LP	L10	L	3SLP--VIP
Mango Set LP	Classic Handle A	LP	L10	L	3SLP---I

Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set K	Mango	K	K10	K	3SK---VIP
Shaviv Set K	Classic Handle A	K	K10	K	3SK---I



Mango



Classic Handle A



Popular Sets

Set G Slot Edge Cleaner

These sets are ideal for deburring and cleaning edges of slots & keyways. Blades feature 8 cutting edges. Effectively removes burrs from internal or external slots up to 15 mm wide (0.6"). Recommendation: For the best grip, select the ergonomic Mango Handle.

Set G3 Triple Corner Cleaner

Cleans corners & removes unwanted radii after machining to ensure smooth flush mating of adjoining faces. Each set comes with a special angled blade holder for easy access to work area and an HSS blade with 3 cutting corners. Recommendation: For the best grip, select the ergonomic Mango Handle.



Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set G	Mango	G	G10	G	3SG---VIP
Shaviv Set G	Classic Handle A	G	G10	G	3SG---I

Available Sets	Handle	Holder	Blades	Key	Ordering Code
Mango Set G3	Mango	G3	G30	G	3SG3--VIP
Shaviv Set G3	Classic Handle A	G3	G30	G	3SG3---I





Popular Sets

Set 1 Slot Edge Cleaner

The original deburring set with the non-telescopic blade holder. Great for heavy duty deburring of holes and edges. Features a strong, built-in steel blade holder that holds the blade close to the handle. Takes all E-series blades.

Set HC HandyChuck

Delivers pin vise versatility for finishing and scraping applications. Comes with C50 hollow ground scraper. Also used for gripping small files, drills, reamers, taps, wires, countersinks and other small objects 1-8 mm (0.04" - 0.32") diameter. Handy for watch repair and delicate work such as repairing or assembling electrical appliances & miniature electronic equipment.



Available Sets	Handle	Blades	Ordering Code
Shaviv Set 1	Handle 1	E100 E200 E300	3S1----I

Available Sets	Handle	Blades	Ordering Code
Shaviv Set HC5	HandyChuck	C50	3SHC5 --I

Shaviv Set HC6	HandyChuck	C60	3SHC6 --I
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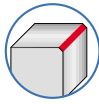
Handle 1



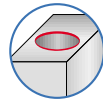
HandyChuck



Popular Sets



Straight Edge



Hole Edge

KIT Globurr Contains:

- 48 Pieces (12 x each color)
- 1 Display Box



Glo-Burr B

- Lightweight, easy-to-grip tool made from specially engineered, reinforced plastic.
- Designed for deburring of steels, aluminium and plastics.
- This versatile handle is supplied with a B10 blade and holds other popular B blades.
- Features a convenient pocket clip.

	BLUE	GREEN	RED	YELLOW	Kit
Set GLO-BURR B	3SUV2-PIB	3SUB2-PIG	3SUB2-PIR	3SUB2-PIY	
Kit GLO-BURR B	12 Pcs	+ 12 Pcs	+ 12 Pcs	+ 12 Pcs	3KSUB2PI



Glo-Burr E

- Lightweight, easy-to-grip tool made from specially engineered, reinforced plastic.
- Designed for heavy-duty deburring of steels, aluminium and plastics.
- This versatile handle is supplied with an E100 blade and holds other heavy-duty E blades.
- Features a convenient pocket clip.

	BLUE	GREEN	RED	YELLOW	Kit
Set GLO-BURR E	3SM2-PIB	3SM2-PIG	3SM2-PIR	3SM2-PIY	
Kit GLO-BURR E	12 Pcs	+ 12 Pcs	+ 12 Pcs	+ 12 Pcs	3KSM2-PI



UB1 DisposaBurr

- Coated, aluminium handle.
- Slim-grip, convenient tool for heavy-duty deburring of steels, aluminium and plastics.
- Comes with a non-replaceable E100 blade.
- Features a convenient pocket clip.

	BLACK	BLUE	GREEN	RED	YELLOW
UB 1	3UB1BKSI	3UB1BLWI	3UB1GRWI	3UB1RDWI	3UB1YBI



UB2 DisposaBurr

- Coated, aluminium handle.
- Slim-grip, convenient tool for deburring steels, aluminium and plastics.
- Comes with a non-replaceable B10 blade.
- Features a convenient pocket clip.

	BLACK	BLUE	GREEN	RED	YELLOW
UB 2	3UB2BKSI	3UB2BLWI	3UB2GRWI	3UB2RDWI	3UB2YBBI



UB2000

- Coated, aluminium handle.
- Slim-grip, versatile deburring tool.
- Comes with a replaceable B-10 blade and holds all other B blades.
- Blades can be inserted axially or perpendicular to the handle.
- Features a convenient pocket clip.

	BLACK	BLUE	GREEN	RED	YELLOW
UB 2000	3SUB2BKI	3SUB2BLI	3SUB2GRI	3SUB2RDI	3SUB2YLI



MB2000

- Coated, aluminium handle.
- Strong deburring tool for tough jobs.
- Hexagon-shaped handle offers greater stability.
- Supplied with a replaceable E100 blade and accepts all other E blades.

	BLACK	BLUE	GREEN	RED	YELLOW
MB 2000	3SMB2BKI	3SMB2BLI	3SMB2GRI	3SMB2RDI	3SMB2YLI





Kits



Kit KWC

The Universal Box

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

Contains:

- Mango Handle or Classic Handle A
- Mango Adapter B and Adapter E (only in Mango KWC)
- Holders - B, C, D, E & F
- Blades - B10, B20, B30, B50, B60, B70, C40, C42, D80, E100, E200, E300, E350, E600 & F20

Mango KWC	3KWC--VIP
Classic KWC plastic case	3KWC---E
Classic KWC wooden case	3KWC---I



Kit KPC2

The Favorite 5

Five extremely popular sets, provided in one handy kit. Each set is supplied with the Mango Handle or Classic Handle A.

Contains:

- Set B: The Workhorse and Mango Adapter B
- Set C: The Scraper
- Set D: The Sheet Cleaner
- Set E: The Heavy DeBurr set and Mango Adapter E
- Set F: The Countersink

Mango KPC2	3KPC--VIP
Classic KPC2	3KPC---E



Kit KPA

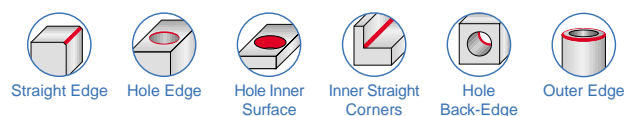
Plastics Deflashing

The perfect, complete kit for deflashing plastics.

Contains:

- Mango Handle or Classic Handle A
- Mango Adapter B and Adapter E (only in Mango KPA)
- UB38 deburring tool
- Holders - B, E, G3 & LP
- Blades - B12, B25, E110, E700, G30 & L10

Mango KPA	3KPA--VIP
Classic KPA	3KPA---E





Kits



▶ Plumbers Kit

The ultimate plumber tool kit — no need to bother with sandpaper, files and wire brushes. Smooths sharp edges and removes burrs that remain after cutting tubes and pipes. A must for cleaning fittings before assembling.

Contains:

- Mango Handle
- Mango Adapter B and Adapter E
- Holders - B, E, FR & L
- Blades - B10, B20, B11, B30, B60, E100, E200, E111, E300, E600, F30, F26X & L10

Plumbers kit 3KPL--VIP



▶ Universal Sheet Cleaner Kit

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

Contains:

- Mango Handle
- Mango Adapter B and Adapter E
- Holders - B, BR, D, D5 & E
- Blades - B10, B20, B30, B70, E100, E200, E300, D80, D82, D85, 2 x R10 & 2 x R30
- Handguard

Sheet Cleaner Kit 3KSC--VIP



▶ Kit U

Ultra-Fine Finish

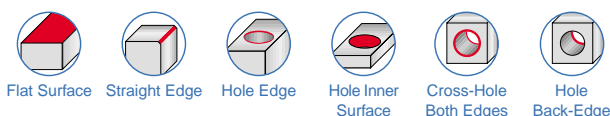
Ultra-fine finish kit for precision workpieces.

Contains:

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



Kit U 3KU----I



▶ Kit TD

Tool & Die Maker's Kit

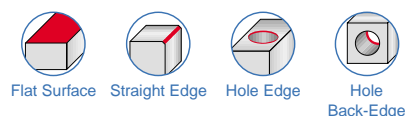
Professional, miniature deburring & scraping tools for providing a quality finish to dies & molds. Packaged in an attractive leather case. (Tools can Also be ordered separately.)

Contains:

- UF1 - Flat diamond coated file (3UF1)
- US1 - Triangular scraper (3US1)
- US2 - Flat scraper (3US2)
- US3 - Round scraper (3US3)
- US4 - Hooked corner scraper (3US4)
- UB38 - Miniature rotational deburring tool for min. hole diameter 2mm (0.08")



Kit TD 3KTD---I



User Guide

Mango Locking System

1 Unlock



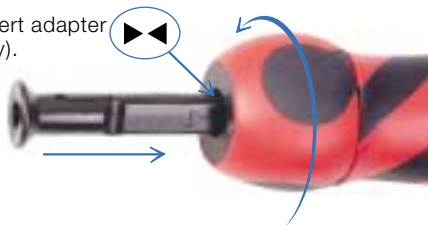
2 Lock



Inserting Mango Adapter & Blade

1 Unlock

2 Align triangles. Insert adapter until click (midway).



3 Hold the adapter and handle.

4 Insert blade & adapter.



5 Push blade and adapter into holder.

6 Lock

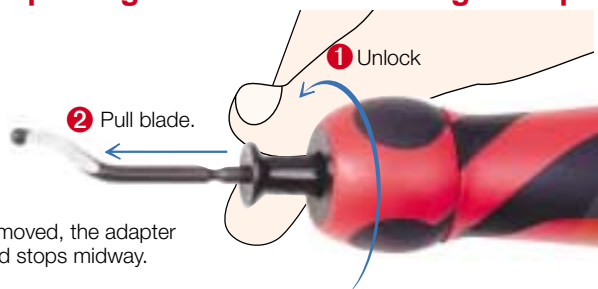


Replacing Used Blades in Mango Adapter

1 Unlock

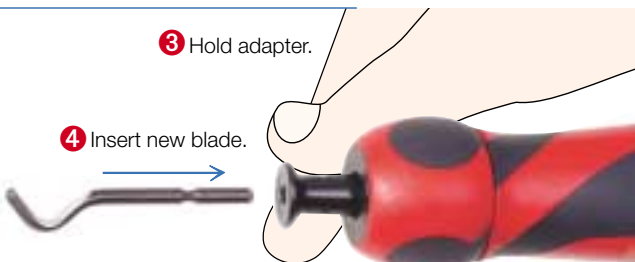
2 Pull blade.

Note: When the blade is removed, the adapter slides out partially and stops midway.



3 Hold adapter.

4 Insert new blade.



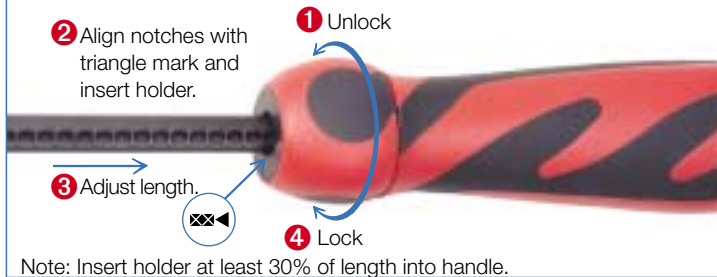
5 Push blade and adapter all the way inside.

6 Lock

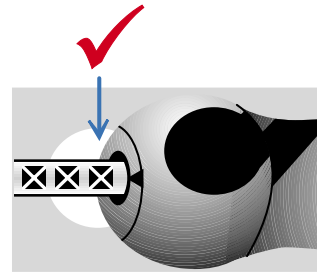


User Guide

Mango with Blade Holder

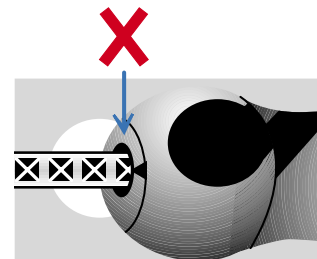


Note



The Mango Handle is designed to lock only when the notches on the holder are in the correct position as shown above.

Replacing B and E Blades in Holder



Notch cannot be halfway in.

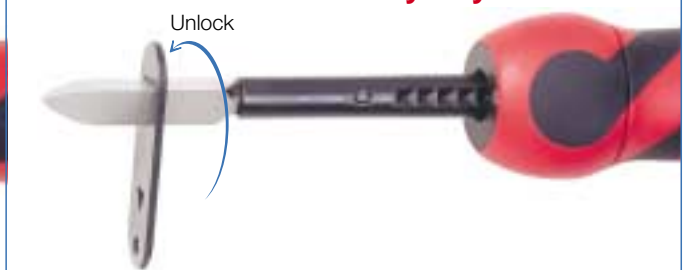
Blade Mounting Options



Replacing U Blades



C Blade Safety Key



Replacing Blades: D, R, L, K, G

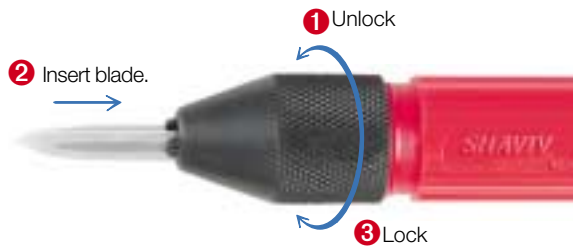


Mango Storage

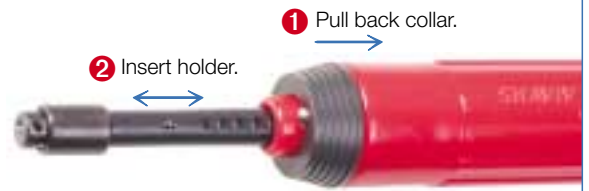


User Guide

Using the HandyChuck



Using Holders with Classic Handle A



Correct Working Angle



Incorrect Working Angle



Correct Working Angle



Incorrect Working Angle



Safety Recommendations:

- Exercise caution when handling sharp blades.
- Always wear proper gloves and safety equipment on the work site.
- Keep the work area clean and uncluttered.
- Keep your hands free of grease and oil.
- Discard blades when dull. Do not sharpen blades.
- Wipe tools & blades clean after use.

Packaging & Display

Shipper Package & Point-of-Sale Display

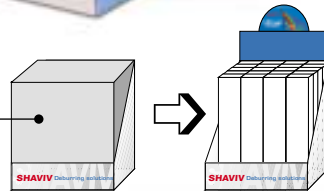
The Shaviv visual concept



A guide to the range of SHAVIV sets available for various applications

A selection of handles
Typical deburring applications

Shipper package easily converts to point-of-sale display



Mango Set Package

Classic Set Package



Product information & barcode



Package contents



Hang tab

Typical deburring applications

A guide to the range of SHAVIV sets available for various applications

Easy-to-follow assembly guide





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