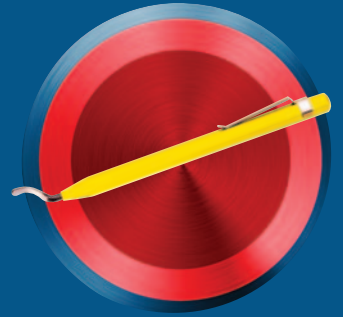




DEBURRING TOOLS

THE WORLD'S BEST DEBURRING
TOOLS AND BLADES



















































ROYAL DEBURRING BLADES



**Great
Low
Prices**

STANDARD-DUTY B-BLADES	BLADES PER PACKAGE	PART NUMBER	PRICE PER PACKAGE
B-10  	10	22110	\$18.50
Our most popular blade. HSS for steel and aluminum.			
B-10A  	10	22109	19.75
Similar to B-10 blade but has a thinner profile. High cobalt content for long life. Also great for plastic.			
B-10L  	10	22113	18.50
HSS counterclockwise operation in steel and aluminum; ideal for lefties.			
B-10T  	10	22112	40.25
Titanium coated HSS for longer life; for steel and aluminum.			
B-10C  	10	22117	113.25
Solid carbide for hardened material.			
B-15  	10	22118	25.75
Very fine, precise blade; great for plastic.			
B-20  	10	22120	18.50
HSS for brass and cast iron; can rotate clockwise and counterclockwise.			
B-20C  	10	22121	119.00
Solid carbide for hardened material.			
B-30  	10	22130	31.50
HSS; removes internal and external burrs simultaneously from holes drilled into tubing and sheet metal.			
B-60  	10	22135	46.00
HSS for internal deburring of hard to reach locations.			

HEAVY-DUTY E-BLADES	BLADES PER PACKAGE	PART NUMBER	PRICE PER PACKAGE
E-100  	10	22025	\$23.00
Heavy Duty HSS for steel and aluminum.			
E-100A  	10	22034	28.75
Heavy Duty M-42 steel, good for plastic and hard materials.			
E-100L  	10	22026	23.00
Heavy Duty HSS for counterclockwise operation in steel and aluminum; ideal for lefties.			
E-100T  	10	22027	46.25
Heavy Duty titanium coated HSS for steel and aluminum.			
E-200  	10	22030	23.00
Heavy Duty HSS for brass and cast iron, bi-directional.			
E-300  	10	22040	29.50
Heavy Duty HSS; removes internal and external burrs simultaneously from holes drilled into tubing & sheet metal.			
E-350  	10	22035	24.00
Heavy Duty HSS for straight edges on all materials.			
E-600  	10	22036	47.00
Heavy Duty HSS; designed to facilitate deburring in the most inaccessible locations.			
E-101  	10	22037	27.00
Heavy Duty HSS for holes as small as 7/64" dia. in steel and aluminum.			
E-102  	10	22039	27.00
Heavy Duty HSS for small holes in brass and cast iron; can rotate clockwise and counterclockwise.			
E-1500  	10	22046	26.00
Heavy Duty HSS for holes as small as 1/16" dia. in steel and aluminum.			
E-1500T  	10	22047	68.75
Heavy Duty titanium coated HSS for holes as small as 1/16" dia. in hardened materials			
E-100P  	10	22028	109.75
HSS blade with non-removable plastic safety cap protects against part scratching.			

Please contact Royal for special pricing on very large quantities.



ROYAL DEBURRING TOOLS

Royal Zip/Burr™ B-Set



- Takes all B-series blades.
- Blade can be inserted at 90° for deburring cross holes.
- Includes one B-10 blade and one B-20 blade.
- Handle has lifetime guarantee – if it breaks, return it and we will replace it at no charge.
- Holder telescopes from 1/2" to 5".
- Handle has storage compartment for spare blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Zip/Burr B-Set	1	22600	\$17.50
Zip/Burr Handle Only	1	22610	10.00
Zip/Burr B-Holder Only	1	22614	10.00

Royal Multi/Burr-5



- Blades can be stored in lightweight plastic handle.
- Handle has lifetime guarantee.
- Blades are easily changed by depressing locking button.
- Comes with five blades – one each of E-100, E-200, E-350, E-101 and E-102.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Multi/Burr Complete w/5 Blades	1	22022	\$19.75
Multi/Burr Handle Only	1	22570	12.00

Royal Disposable Burr



- Low-priced yet can handle almost every deburring job.
- Non-replaceable blade.
- Consists of heavy-duty E-100 blade, handle, and handy pocket clip.
- For removing burrs from steel and aluminum.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Disposable Burr	10	22050	\$70.50

Royal Zip/Burr™ E-Set



- Takes all heavy-duty E-series blades.
- Holder telescopes from 1/2" to 5".
- Includes one E-100 blade, one E-200 blade and one E-300 blade.
- Handle has lifetime guarantee – if it breaks, return it and we will replace it at no charge.
- Handle has storage compartment for spare blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Zip/Burr E-Set	1	22620	\$20.25
Zip/Burr Handle Only	1	22610	10.00
Zip/Burr E-Holder Only	1	22633	10.00

Royal Double-Header Versa/Burr



- Double-header can be used with both B and E blades.
- Includes one B-10 blade and one B-20 blade.
- Telescopes from 1"–4 1/2"
- Handle has lifetime guarantee.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Double-Header Versa/Burr	1	22105	\$22.00
Versa/Burr Handle Only	1	22107	10.00
B/E Holder Only	1	22108	12.00

Royal E-Blade Slim-Grip



- Comes with one replaceable E-100 blade and handle.
- Uses heavy-duty E-Blades.
- Great value.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
E-Blade Slim Grip	10	22172	\$134.50

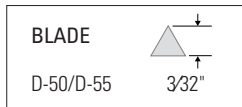


ROYAL DEBURRING TOOLS

Royal Mini-Scraper Zip/Burr™



Dimensions



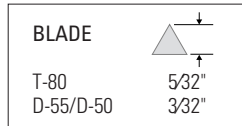
- Fine triangular scraper is ideal for moldmaking work.
- Blade is secured to D-holder with a set screw.
- Includes D-50 mini blade.
- Can also use D-50 TiN and D-55 carbide blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Mini-Scraper Zip/Burr	1	22680	\$30.75
Zip/Burr D-Holder Only	1	22695	12.00
HSS Mini-Scraper Blade Only (D-50)	10	22276	120.25
D-55 Carbide Blade Only	10	22442	215.75

Royal Slim Grip Scraper



Dimensions



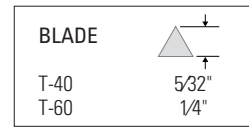
- Special Slim-Grip design for deburring in hard-to-reach locations.
- 22410 includes aluminum handle and one double-sided high speed steel T-80 blade.
- Knurled locking collar to control blade extension.
- 22420 includes aluminum handle and one single-sided solid carbide D-55 blade.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Slim-Grip Scraper w/T-80 HSS Blade	1	22410	\$32.75
Slim-Grip Scraper w/D-55 Carbide Blade	1	22420	41.50
T-80 HSS Blade Only	10	22432	152.50
D-55 Carbide Blade Only	10	22442	215.75
D-50 TiN Blade Only	10	22778	174.75

Royal Scraper Zip/Burr™



Dimensions



- Replaceable scraper blades thread into the Zip/Burr holder.
- Available with either a T-40 or T-60 blade. These blades are similar in size to the T-80 and T-120 but they are only half as long.
- Blades have a #10 NF thread and are interchangeable with other brand blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Standard Scraper with T-40 Blade	1	22730	\$26.50
Standard Scraper with T-60 Blade	1	22745	35.25
Zip/Burr T-Holder Only	1	22768	10.00
T-40 Blade Only	1	22760	11.25
T-60 Blade Only	1	22764	16.25

Royal Internal Scraper Zip/Burr™



- Includes special blade for deburring
- D-66 blade is held in D-holder by a cross holes. set screw.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Internal Scraper	1	22710	\$29.00
Zip/Burr D-Holder Only	1	22695	12.00
HSS Internal Scraper Blade Only (D-66)	10	22302	103.50

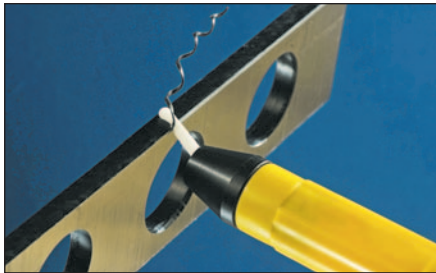
Royal Countersink Zip/Burr™



- Very useful for chamfering
- Includes 3/4" countersink. deep holes.

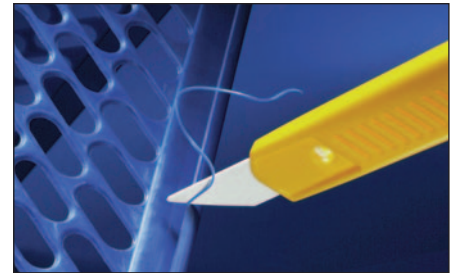
DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Countersink	1	22650	\$49.75
Zip/Burr C-Holder Only	1	22665	9.50
C-12 1/2" Countersink Only	1	22155	28.50
C-20 3/4" Countersink Only	1	22160	35.25
C-20 TiN 3/4" Countersink Only	1	22162	67.00
C-30 1 1/8" Countersink Only	1	22165	51.00

ROYAL DEBURRING TOOLS



Royal Ceramic Deburring Tools

Royal ceramic deburring tools offer outstanding performance in virtually all plastic and soft metal deburring applications. These solid ceramic blades and scrapers are extremely durable, resulting in superior edge life when compared with traditional blades. Try one today!



Royal Ceramic Scraper



- Self-lubricating fixed ceramic blade.
- Great for all materials: plastics, soft metals, hard metals, etc.
- Interchangeable blade has a very long life.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Ceramic Scraper	1	22151	\$37.50
Replacement Ceramic Blade	1	22152	29.00
Ceramic Scraper Handle Only	1	22149	12.00

Royal Adjustable Mini Ceramic Scraper



- Self-lubricating ceramic blade.
- Long, thin profile provides access to difficult to reach areas
- Ideal for surface cleaning, trimming, deburring, and parting line deflashing of almost all plastics

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Adjustable Mini Ceramic Scraper	1	22146	\$44.00
Replacement Mini Ceramic Blade	1	22147	36.75
Mini Ceramic Scraper Handle Only	1	22148	10.50

Royal Compact Ceramic Scraper



- Self-lubricating ceramic blade.
- Ideal for surface scraping and parting line deflashing.
- Perfect for all plastic materials and soft metals.
- Long-life interchangeable blade.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Compact Ceramic Scraper	1	22140	\$36.25
Replacement Compact Ceramic Blade	1	22141	32.50
Compact Ceramic Scraper Handle Only	1	22145	10.50

Royal Rotating Ceramic Burr



- Interchangeable self-lubricating ceramic blade.
- Blade rotates like a traditional deburring tool.
- Will deburr holes, contours, and edges.
- Two blade styles available:
 - Model 65 – for soft abrasive plastics
 - Model 75 – for hard abrasive plastics

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Rotating Ceramic Burr – 65	1	22190	\$49.00
Rotating Ceramic Burr – 75	1	22192	49.00
Ceramic Burr Handle Only	1	22194	25.25
Ceramic Blade 65 Only	1	22196	27.25
Ceramic Blade 75 Only	1	22198	27.25



ROYAL DEBURRING TOOLS

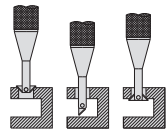
Royal Multi-Purpose 4-in-1 Deburring Tool



- Four of our most popular blades in a single innovative tool.
 - E-100 Heavy-Duty rotating deburring blade
 - B-20 bi-directional rotating deburring blade
 - 3/8" rotating countersink blade
 - D-50 mini-scraper blade
- All blades mounted to folding steel shafts that lock into place during use, and fold neatly away into the handle when not in use.
- A great all-purpose deburring tool for non-production applications in steel, aluminum, and plastic.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Multi-Purpose Deburring Tool	1	22024	\$96.25

Royal Reversible Countersink



- Deburrs both inside and outside of very small holes.
- Can be used in both clockwise and counterclockwise directions.
- To use, hold between fingers and rotate back and forth.
- To insert/withdraw blade into/from hole, push knob and release slowly.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Mini Reversible Countersink	1	22455	\$42.75
Complete Standard Reversible Countersink	1	22465	44.00
Complete Large Reversible Countersink	1	22472	57.25
R-1 Mini Blade Only (1/8" - 7/32")	1	22137	21.25
R-2 Standard Blade Only (13/64" - 11/32")	1	22139	23.50
R-3 Large Blade Only (25/64" - 27/32")	1	22136	26.00

Royal Double Burr



- Simultaneously removes burrs from both sides of workpiece from 1/32" to 1/2" thick.
- Safety guard protects fingers.
- Unique round cutting blades can be rotated and reversed for long life.
- Blades made of M-2 steel, hardened to 64 Rc.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Double Burr w/Guard and Two Blades	1	22060	\$29.00
Replacement Blades of M-2 Steel	10	22065	77.75
Replacement Blades of M-42 Steel For Use On Stainless Steel	10	22067	104.00

Royal Roto-Drive Set



- Roto-Drive – the quickest way to chamfer by hand.
- Single-flute countersink provides a smoother cut than multiple-flute countersinks.
- Very little wrist force needs to be applied, reducing the risk of injury.



Chamfer difficult-to-reach holes.



Chamfer small holes next to shoulder.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Roto-Drive w/Plastic Handle and 1/8" Countersink	1	22506	\$22.00
Roto-Drive w/Plastic Handle and 1/4" Countersink	1	22508	36.50
Roto-Drive w/Plastic Handle and 5/16" Countersink	1	22510	37.00
Roto-Drive w/Plastic Handle and 3/8" Countersink	1	22512	38.75
1/8" Countersink Only	1	22520	11.25
1/4" Countersink Only	1	22530	26.25
5/16" Countersink Only	1	22540	26.50
3/8" Countersink Only	1	22550	28.50
3/8" TiN Countersink Only	1	22560	43.75
Plastic Handle Only	1	22570	12.00