



DEBURRING TOOLS

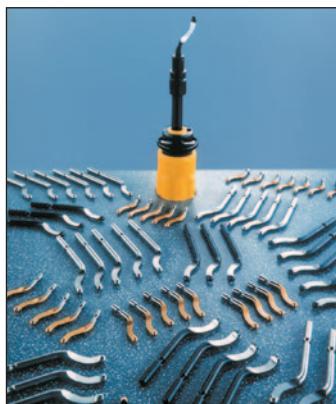
THE WORLD'S BEST DEBURRING
TOOLS AND BLADES



ROYAL
PRODUCTS
Optimize everything.



ROYAL DEBURRING BLADES



**Great
Low
Prices**

STANDARD-DUTY B-BLADES	BLADES PER PACKAGE	PART NUMBER	PRICE PER PACKAGE
B-10	10	22110	\$21.00
			Our most popular blade. HSS for steel and aluminum.
B-10A	10	22109	22.25
			Similar to B-10 blade but has a thinner profile. High cobalt content for long life. Also great for plastic.
B-10L	10	22113	21.00
			HSS counterclockwise operation in steel and aluminum; ideal for lefties.
B-10T	10	22112	45.50
			Titanium coated HSS for longer life; for steel and aluminum.
B-10C	10	22117	127.50
			Solid carbide for hardened material.
B-15	10	22118	29.00
			Very fine, precise blade; great for plastic.
B-20	10	22120	21.00
			HSS for brass and cast iron; can rotate clockwise and counterclockwise.
B-20C	10	22121	134.00
			Solid carbide for hardened material.
B-30	10	22130	35.50
			HSS; removes internal and external burrs simultaneously from holes drilled into tubing and sheet metal.
B-60	10	22135	51.75
			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	\$26.00
			Heavy Duty HSS for steel and aluminum.
E-100A	10	22034	32.50
			Heavy Duty M-42 steel, good for plastic and hard materials.
E-100L	10	22026	26.00
			Heavy Duty HSS for counterclockwise operation in steel and aluminum; ideal for lefties.
E-100T	10	22027	52.25
			Heavy Duty titanium coated HSS for steel and aluminum.
E-200	10	22030	26.00
			Heavy Duty HSS for brass and cast iron, bi-directional.
E-300	10	22040	33.25
			Heavy Duty HSS; removes internal and external burrs simultaneously from holes drilled into tubing & sheet metal.
E-350	10	22035	27.00
			Heavy Duty HSS for straight edges on all materials.
E-600	10	22036	53.00
			Heavy Duty HSS; designed to facilitate deburring in the most inaccessible locations.
E-101	10	22037	30.50
			Heavy Duty HSS for holes as small as 7/64" dia. in steel and aluminum.
E-102	10	22039	30.50
			Heavy Duty HSS for small holes in brass and cast iron; can rotate clockwise and counterclockwise.
E-1500	10	22046	29.25
			Heavy Duty HSS for holes as small as 1/16" dia. in steel and aluminum.
E-1500T	10	22047	77.50
			Heavy Duty titanium coated HSS for holes as small as 1/16" dia. in hardened materials
E-100P	10	22028	123.50
			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.
- Includes one B-10 blade and one B-20 blade.
- Holder telescopes from 1/2" to 5".
- Handle has storage compartment for spare blades.
- Blade can be inserted at 90° for deburring cross holes.
- Handle has lifetime guarantee – if it breaks, return it and we will replace it at no charge.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Zip/Burr B-Set	1	22600	\$19.75
Zip/Burr Handle Only	1	22610	11.25
Zip/Burr B-Holder Only	1	22614	11.25

Royal Multi/Burr-5



- Blades can be stored in lightweight plastic handle.
- Blades are easily changed by depressing locking button.
- Handle has lifetime guarantee.
- 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	\$22.25
Multi/Burr Handle Only	1	22570	13.50

Royal Disposable Burr



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Disposable Burr	10	22050	\$79.50

Royal Zip/Burr™ E-Set



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Zip/Burr E-Set	1	22620	\$23.00
Zip/Burr Handle Only	1	22610	11.25
Zip/Burr E-Holder Only	1	22633	11.25

Royal Double-Header Versa/Burr



- Double-header can be used with both B and E blades.
- Telescopes from 1"-4½"
- Includes one B-10 blade and one B-20 blade.
- Handle has lifetime guarantee.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Double-Header Versa/Burr	1	22105	\$24.75
Versa/Burr Handle Only	1	22107	11.25
B/E Holder Only	1	22108	13.50

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	\$151.50



ROYAL DEBURRING TOOLS

Royal Mini-Scraper Zip/Burr™



Dimensions

BLADE

D-50/D-55

3/32"

- Fine triangular scraper is ideal for tool and 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	\$34.75
Zip/Burr D-Holder Only	1	22695	13.50
HSS Mini-Scraper Blade Only (D-50)	10	22276	135.50
D-55 Carbide Blade Only	10	22442	242.75

Royal Slim Grip Scraper



Dimensions

BLADE

T-80

D-55/D-50

5/32"

3/32"

- 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	\$37.00
Slim-Grip Scraper w/D-55 Carbide Blade	1	22420	46.75
T-80 HSS Blade Only	10	22432	171.75
D-55 Carbide Blade Only	10	22442	242.75
D-50 TiN Blade Only	10	22778	196.75

Royal Scraper Zip/Burr™



Dimensions

BLADE

T-40

T-60

5/32"

1/4"

- 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	\$30.00
Standard Scraper with T-60 Blade	1	22745	39.75
Zip/Burr T-Holder Only	1	22768	11.25
T-40 Blade Only	1	22760	12.75
T-60 Blade Only	1	22764	18.50

Royal Internal Scraper Zip/Burr™



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Internal Scraper	1	22710	\$32.75
Zip/Burr D-Holder Only	1	22695	13.50
HSS Internal Scraper Blade Only (D-66)	10	22302	116.50

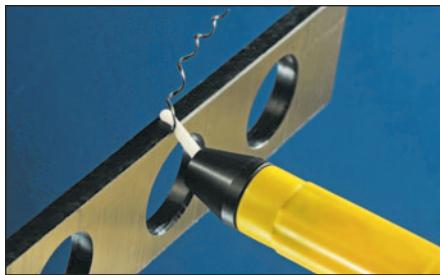
Royal Countersink Zip/Burr™



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

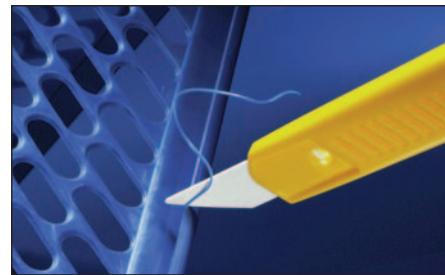
DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Countersink	1	22650	\$56.00
Zip/Burr C-Holder Only	1	22665	10.75
C-12 1/4" Countersink Only	1	22155	32.25
C-20 3/4" Countersink Only	1	22160	39.75
C-20 TiN 3/4" Countersink Only	1	22162	75.50
C-30 1 1/8" Countersink Only	1	22165	57.50

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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Ceramic Scraper	1	22151	\$42.25
Replacement Ceramic Blade	1	22152	32.75
Ceramic Scraper Handle Only	1	22149	13.50

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	\$49.50
Replacement Mini Ceramic Blade	1	22147	41.50
Mini Ceramic Scraper Handle Only	1	22148	12.00

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	\$41.00
Replacement Compact Ceramic Blade	1	22141	36.75
Compact Ceramic Scraper Handle Only	1	22145	12.00

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	\$55.25
Rotating Ceramic Burr – 75	1	22192	55.25
Ceramic Burr Handle Only	1	22194	28.50
Ceramic Blade 65 Only	1	22196	30.75
Ceramic Blade 75 Only	1	22198	30.75



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	\$108.50

Royal Reversible Countersink



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Mini Reversible Countersink	1	22455	\$48.25
Complete Standard Reversible Countersink	1	22465	49.50
Complete Large Reversible Countersink	1	22472	64.50
R-1 Mini Blade Only (1/8" – 7/32")	1	22137	24.00
R-2 Standard Blade Only (19/64" – 11/32")	1	22139	26.50
R-3 Large Blade Only (25/64" – 27/32")	1	22136	29.25

Royal Double Burr



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Double Burr w/Guard and Two Blades	1	22060	\$32.75
Replacement Blades of M-2 Steel	10	22065	87.50
Replacement Blades of M-42 Steel For Use On Stainless Steel	10	22067	117.00

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	\$24.75
Roto-Drive w/Plastic Handle and 1/4" Countersink	1	22508	41.25
Roto-Drive w/Plastic Handle and 5/16" Countersink	1	22510	41.75
Roto-Drive w/Plastic Handle and 3/8" Countersink	1	22512	43.75
1/8" Countersink Only	1	22520	12.75
1/4" Countersink Only	1	22530	29.75
5/16" Countersink Only	1	22540	30.00
3/8" Countersink Only	1	22550	32.25
3/8" TiN Countersink Only	1	22560	49.25
Plastic Handle Only	1	22570	13.50