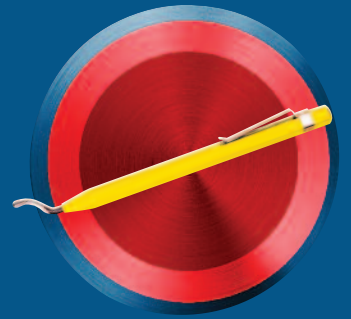




DEBURRING TOOLS

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	\$12.10
Our most popular blade. HSS for steel and aluminum.			
B-10A  	10	22109	13.00
Similar to B-10 blade but has a thinner profile. High cobalt content for long life. Also great for plastic.			
B-10L  	10	22113	12.10
HSS counterclockwise operation in steel and aluminum; ideal for lefties.			
B-10T  	10	22112	26.75
Titanium coated HSS for longer life; for steel and aluminum.			
B-10C  	10	22117	76.30
Solid carbide for hardened material.			
B-15  	10	22118	17.05
Very fine, precise blade; great for plastic.			
B-20  	10	22120	12.10
HSS for brass and cast iron; can rotate clockwise and counterclockwise.			
B-20C  	10	22121	80.15
Solid carbide for hardened material.			
B-30  	10	22130	20.75
HSS; removes internal and external burrs simultaneously from holes drilled into tubing and sheet metal.			
B-60  	10	22135	30.75
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	\$15.10
Heavy Duty HSS for steel and aluminum.			
E-100A  	10	22034	18.85
Heavy Duty M-42 steel, good for plastic and hard materials.			
E-100L  	10	22026	15.10
Heavy Duty HSS for counterclockwise operation in steel and aluminum; ideal for lefties.			
E-100T  	10	22027	31.05
Heavy Duty titanium coated HSS for steel and aluminum.			
E-200  	10	22030	15.10
Heavy Duty HSS for brass and cast iron, bi-directional.			
E-300  	10	22040	19.65
Heavy Duty HSS; removes internal and external burrs simultaneously from holes drilled into tubing & sheet metal.			
E-350  	10	22035	15.85
Heavy Duty HSS for straight edges on all materials.			
E-600  	10	22036	31.40
Heavy Duty HSS; designed to facilitate deburring in the most inaccessible locations.			
E-101  	10	22037	17.80
Heavy Duty HSS for holes as small as 7/64" dia. in steel and aluminum.			
E-102  	10	22039	17.80
Heavy Duty HSS for small holes in brass and cast iron; can rotate clockwise and counterclockwise.			
E-1500  	10	22046	17.35
Heavy Duty HSS for holes as small as 1/16" dia. in steel and aluminum.			
E-1500T  	10	22047	46.05
Heavy Duty titanium coated HSS for holes as small as 1/16" dia. in hardened materials			
E-100P  	10	22028	74.10
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	\$11.50
Zip/Burr Handle Only	1	22610	6.25
Zip/Burr B-Holder Only	1	22614	6.35

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	\$12.95
Multi/Burr Handle Only	1	22570	7.75

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	\$47.60

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	\$13.40
Zip/Burr Handle Only	1	22610	6.25
Zip/Burr E-Holder Only	1	22633	6.35

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"–4½"
- Handle has lifetime guarantee.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Double-Header Versa/Burr	1	22105	\$14.65
Versa/Burr Handle Only	1	22107	6.25
B/E Holder Only	1	22108	7.80

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	\$90.60

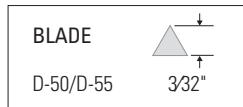


ROYAL DEBURRING TOOLS

Royal Mini-Scraper Zip/Burr™



Dimensions



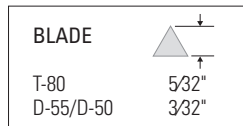
- Fine triangular scraper is ideal for tool and moldmaking work.
- Blade is secured to D-holder with a set screw.
- Includes D-50 mini blade.
- Can also use D-50 TiN and D-55 carbide blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Mini-Scraper Zip/Burr	1	22680	\$20.65
Zip/Burr D-Holder Only	1	22695	7.80
HSS Mini-Scraper Blade Only (D-50)	10	22276	80.80
D-55 Carbide Blade Only	10	22442	145.70

Royal Slim Grip Scraper



Dimensions



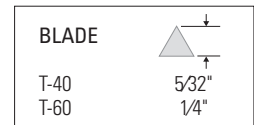
- Special Slim-Grip design for deburring in hard-to-reach locations.
- 22410 includes aluminum handle and one double-sided high speed steel T-80 blade.
- Knurled locking collar to control blade extension.
- 22420 includes aluminum handle and one single-sided solid carbide D-55 blade.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Slim-Grip Scraper w/T-80 HSS Blade	1	22410	\$21.90
Slim-Grip Scraper w/D-55 Carbide Blade	1	22420	27.70
T-80 HSS Blade Only	10	22432	102.85
D-55 Carbide Blade Only	10	22442	145.70
D-50 TiN Carbide Blade Only	10	22778	117.95

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	\$17.65
Standard Scraper with T-60 Blade	1	22745	23.45
Zip/Burr T-Holder Only	1	22768	6.35
T-40 Blade Only	1	22760	7.30
T-60 Blade Only	1	22764	10.65

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	\$19.15
Zip/Burr D-Holder Only	1	22695	7.80
HSS Internal Scraper Blade Only (D-66)	10	22302	69.75

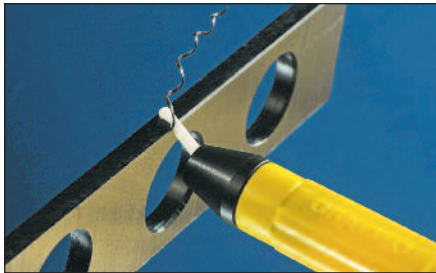
Royal Countersink Zip/Burr™



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

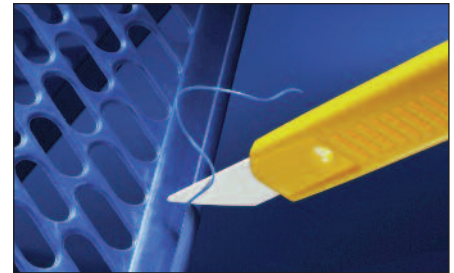
DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Countersink	1	22650	\$33.25
Zip/Burr C-Holder Only	1	22665	6.05
C-12 1/2" Countersink Only	1	22155	18.75
C-20 3/4" Countersink Only	1	22160	23.45
C-20 TiN 3/4" Countersink Only	1	22162	45.05
C-30 1 1/8" Countersink Only	1	22165	34.15

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	\$25.00
Replacement Ceramic Blade	1	22152	19.15
Ceramic Scraper Handle Only	1	22149	7.65

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	\$29.50
Replacement Mini Ceramic Blade	1	22147	24.55
Mini Ceramic Scraper Handle Only	1	22148	6.70

Royal Compact Ceramic Scraper



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Compact Ceramic Scraper	1	22140	\$24.05
Replacement Compact Ceramic Blade	1	22141	21.70
Compact Ceramic Scraper Handle Only	1	22145	6.65

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	\$32.80
Rotating Ceramic Burr – 75	1	22192	32.80
Ceramic Burr Handle Only	1	22194	16.55
Ceramic Blade 65 Only	1	22196	18.15
Ceramic Blade 75 Only	1	22198	18.15



ROYAL DEBURRING TOOLS

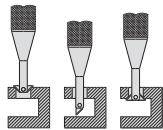
Royal Multi-Purpose 4-in-1 Deburring Tool



- ❑ 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	\$64.75

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	\$28.75
Complete Standard Reversible Countersink	1	22465	29.45
Complete Large Reversible Countersink	1	22472	38.45
R-1 Mini Blade Only (1/8" - 7/32")	1	22137	14.25
R-2 Standard Blade Only (13/64" - 11/32")	1	22139	15.45
R-3 Large Blade Only (25/64" - 27/32")	1	22136	17.40

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	\$19.15
Replacement Blades of M-2 Steel	10	22065	52.40
Replacement Blades of M-42 Steel For Use On Stainless Steel	10	22067	70.10

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	\$14.65
Roto-Drive w/Plastic Handle and 1/4" Countersink	1	22508	24.25
Roto-Drive w/Plastic Handle and 5/16" Countersink	1	22510	24.80
Roto-Drive w/Plastic Handle and 3/8" Countersink	1	22512	25.90
1/8" Countersink Only	1	22520	7.30
1/4" Countersink Only	1	22530	17.45
5/16" Countersink Only	1	22540	17.70
3/8" Countersink Only	1	22550	18.75
3/8" TiN Countersink Only	1	22560	29.35
Plastic Handle Only	1	22570	7.75