

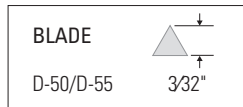


ROYAL DEBURRING TOOLS

Royal Mini-Scraper Zip/Burr™



Dimensions



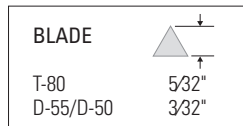
- Fine triangular scraper is ideal for moldmaking work.
- Blade is secured to D-holder with a set screw.
- Includes D-50 mini blade.
- Can also use D-50 TiN and D-55 carbide blades.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Mini-Scraper Zip/Burr	1	22680	\$19.65
Zip/Burr D-Holder Only	1	22695	7.45
HSS Mini-Scraper Blade Only (D-50)	10	22276	76.95
D-55 Carbide Blade Only	10	22442	138.75

Royal Slim Grip Scraper



Dimensions



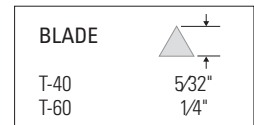
- Special Slim-Grip design for deburring in hard-to-reach locations.
- 22410 includes aluminum handle and one double-sided high speed steel T-80 blade.
- Knurled locking collar to control blade extension.
- 22420 includes aluminum handle and one single-sided solid carbide D-55 blade.

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Slim-Grip Scraper w/T-80 HSS Blade	1	22410	\$20.85
Slim-Grip Scraper w/D-55 Carbide Blade	1	22420	26.40
T-80 HSS Blade Only	10	22432	97.95
D-55 Carbide Blade Only	10	22442	138.75
D-50 TiN Carbide Blade Only	10	22778	112.35

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	\$16.80
Standard Scraper with T-60 Blade	1	22745	22.35
Zip/Burr T-Holder Only	1	22768	6.05
T-40 Blade Only	1	22760	6.95
T-60 Blade Only	1	22764	10.15

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	\$18.25
Zip/Burr D-Holder Only	1	22695	7.45
HSS Internal Scraper Blade Only (D-66)	10	22302	66.45

Royal Countersink Zip/Burr™



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

DESCRIPTION	PACKAGE OF	PART NUMBER	PRICE
Complete Countersink	1	22650	\$31.65
Zip/Burr C-Holder Only	1	22665	5.75
C-12 1/2" Countersink Only	1	22155	17.85
C-20 3/4" Countersink Only	1	22160	22.35
C-20 TiN 3/4" Countersink Only	1	22162	42.90
C-30 1 1/8" Countersink Only	1	22165	32.50