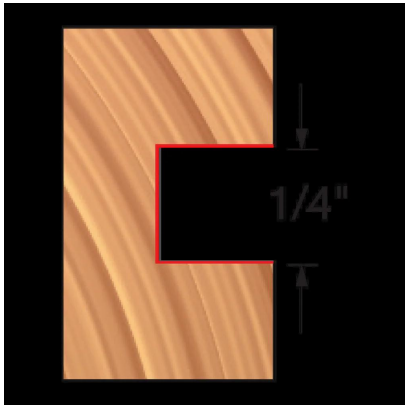
Edge of Arlington Saw & Tool

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Freud Groovers

Thank you for shopping with us!
To produce raised panels that are glass smooth.
These cutters offer maximum versatility, by producing half round beads, quarter round beads, coves, and rounding over cuts. These bits are great for making drop leaf tables by creating mating profiles with the use of one cutter.
Today's high production manufacturing plants demand reduced applied tooling costs and premium finishes. With the introduction of Freud's next generation of Industrial Raised Panel Insert Shaper Cutters for enthusiast and manufacturing environments, these shaper cutters feature 2+2 shear technology and a replaceable insert design for unmatched flawless finishes and longer life. These innovative, new shaper cutters feature the latest in advanced shear technology design and Freud-made TiCo™ Hi-Density Carbide knives designed for superior quality finishes in wood for maximum life and performance. Freud's advanced geometries take the outdated brazed technology of the past to an entirely new level by introducing interchangeable sharpener friendly 2.0mm TiCo™ carbide cutter knives.
Advanced 2+2 Cutting Design includes two large cutters that shear upward and two smaller cutters that shear downward for splinter-free, flawless finishes. Red Anodized Protective Coating protects the aluminum body from abrasion extending the life of the shaper cutter. Versatile Interchangeable Knives are easily interchanged during sharpening for reduced tooling costs and minimal downtime. Exclusive Freud TiCo™ Hi-Density Micro-Grain Carbide blend of Titanium Cobalt carbide allows for a sharper cutting edge, with minimal wear for dramatically longer cutting life.
Freud TiCo™ carbide tips have Superior Shear Angles that slices through wood fibers, leaving cross-grain cuts with virtually no sanding required. 2.0mm Thick Sharpener friendly carbide extends the shaper cutter's life through multiple sharpenings to outlast standard brazed carbide. Kickback-Reducing Shoulder Design restricts the tooth bite to 1.1mm, reducing the effects of overfeeding for more controlled, clean cuts. Ultimate Precision Computer Balancing with strict tolerances are achieved by using computer-based applications to balance all cutters for super smooth, chatter-free cutting.
All 1-1/4" bore cutters can be used with back-cutters UP230-IC and UP231-IC when using 3/4" stock. All 3/4" bore cutters can be used with back-cutters UC230-IC and UC231-IC when using with 3/4" stock.

Item #	Manufacturer	Application	Type	Diameter	Bore	Carbide H, or Cut H/L/W	Replacement Parts	Price

UP171-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	4 15/16 in	1 1/4 in	1/4 in	CG03MAC310 10-Pack Inserts, RG01MAA310 10-Pack Inserts, ICOT-004 10-Pack Screws, ICOT-005 10-Pack Screws, ICSC-004 10-Pack Screws	**$204.02**
UP172-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	4 15/16 in	1 1/4 in	3/8 in	RG01MAA310 10-Pack Inserts, ICK172-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-007 10-Pack Screws, ICWS-09DB 10-Pack Screws	**$209.54**
UP173-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	4 15/16 in	1 1/4 in	1/2 in	RG01MAA310 10-Pack Inserts, ICK173-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-006 10-Pack Screws, ICWS-01BA 10-Pack Screws	**$226.26**
UP174-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	4 15/16 in	1 1/4 in	3/4 in	RG01MAA310 10-Pack Inserts, ICK174-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-005 10-Pack Screws, ICWS-01DA 10-Pack Screws	**$243.80**
UP176-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	5 1/2 in	1 1/4 in	1/4 in	CG03MAC310 10-Pack Inserts, RG01MAA310 10-Pack Inserts, ICOT-004 10-Pack Screws, ICOT-005 10-Pack Screws, ICSC-004 10-Pack Screws	**$246.87**
UP177-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	5 1/2 in	1 1/4 in	3/8 in	RG01MAA310 10-Pack Inserts, ICK172-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-007 10-Pack Screws, ICWS-09DB 10-Pack Screws	**$272.00**
UP178-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	5 1/2 in	1 1/4 in	1/2 in	RG01MAA310 10-Pack Inserts, ICK173-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-006 10-Pack Screws, ICWS-01BA 10-Pack Screws	**$278.30**
UP179-IC	Freud Tools	Excellent for use on shapers and cope spindles of double end tenoners.	Insert Cutter Design	5 1/2 in	1 1/4 in	3/4 in	RG01MAA310 10-Pack Inserts, ICK174-1 2-Pack Inserts, ICSC-003 10-Pack Screws, ICSC-005 10-Pack Screws, ICWS-01DA 10-Pack Screws	**$297.99**