

2014-2015 Catalog

Industrial Wood
Tooling & Supplies

Moulder Heads

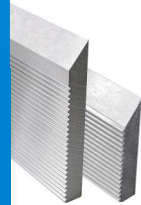
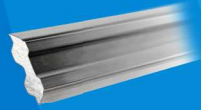
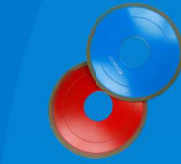
Insert Tooling

Moulder Knives

Planer Tooling

Grinding Supplies

Wanner Grease
Guns & Parts



Call (541) 302-1366
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TITAN KNIFE 
Precision Quality Knives



Need a High Quality Tooling Line & Better Prices?

Catalog
Print Date:
April 2016

Phone (541) 302-1366 Fax # (541) 484-4854
1203 Ocean St. Eugene, OR 97402 USA / e-mail: sales@globaltooling.net

We are dedicated to making our customers successful:

We understand that today's millwork manufacturer must be dynamic to survive. We can help you succeed by providing a large selection of high quality products with prompt delivery, all at the lowest possible price. We strive to provide quick, polite, and responsible technical service to all of your inquiries. We also offer experienced advice to help you produce the best possible product at the lowest possible cost.

All of our high quality products are 100% guaranteed from tested and well respected tooling and abrasive manufacturers that have earned our trust. We are able to offer some of the most competitive prices in the industry through volume purchasing and an efficient low overhead structure. Buying from us means you can rest assured that you receive fair prices on all the high quality items you use every day. We promise to work hard to be your key supplier on machine cutting tools, mill equipment, and grinding room supplies. Contact us today to learn how we can help you prosper.

Some of the companies and products available:

Tooling & Knives:

- Titan Knife Works - High Quality Moulder & Planer Tooling
- AceCo. Precision Mfg. - Finger Joint & Moulder Tooling - West Coast Agent.
- Weinig, Wadkin, Leitz, Leuco, European Moulder Tooling, Tenon, Saw, & Shaper Tooling
- Hydro-Locking Sleeves & High Pressure Grease Guns
- Gladu Tools - Insert Knife Heads & Metric Cutting Tools
- Ceratizit & Sandvik - Carbide Knives, Blank Strips, Saw Tips, & More

Grinding Supplies:

- Atlantic, Tyrolit, Norton , etc - High quality grinding wheels & jointing stones.
- Northwest Super Abrasive - High value / high quality CBN & Diamond grinding wheels.

Machine Accessories & Grinders:

- All Finger joint machine parts for industrial finger joint systems & chains.
- Apquip Corp. - Precision finger joint & edge gluing systems.
- Saw & tooling spray lubrication systems.
- Wester Machinery Group - Finger joint machines & cutter head knife grinders.
- Western Roller - Machine feed tires & precision brush / brush bar replacements.

Other Services:

- We also represent 100 leading manufacturers with a full line of industrial supplies.
- Buy & sell used tooling, grinders, & broker machinery of all kinds.
- Finger jointer, moulder, planer machine consulting referral service.
- General machine work, re-grinding / sharpening services, & Wire E.D.M work.
- Products backed by manufacturer's guarantee against material defects & workmanship.



We are resellers of these and many more manufacturers. Trademarks are property of their respected owners.

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Moulder Knives & Planer Knives

Pg. 4-18

Steel Selection & Performance, Corrugated Back, Knife-Lock, Euro-Lock, Carbide Inlay, Smooth Back, Knife Sets, Custom Knives, Planer Blades, Tersa Brand, Centro-Lock & Terminus Style, Williams & Hussey Knives / Heads, High Production Planer Blades, Shavings Mill Knives, L & LV Knives, Custom L, LV, H, Flat & Vise Grip, Feeder Knives, Shavings Mill Knives

Moulder Heads , Insert Tooling, Feed Tires & Wanner Grease Pumps

Pg. 19-39

Superhelic, Carbide Insert Knives, Spiral Surfacing, Quick-Lock, Dual Hook, Straight Bore, Hydro-Locking, Easy-Lock 4 & 6, HD Multi-Profile Insert, MP Insert, Splitter Saw, Reference Engraver, Side Insert, Filler Wedges, Spindle Spacers, Reducing Bushings, Screw Bits & Routers, Moulder Head Accessories, Hydro-Lock Sleeves, Poly-Urethane & Steel Moulder Feed Tires, Wanner Grease Pumps & Parts

Grinding Wheels & Jointing Stones

Pg. 40-45

Vitrified Profile Grinding Wheels, CBN & Diamond Profile Wheels, Cut-Off Wheels, Pattern & Surfacing Jointing Stones, Abrasive Cut-Off Wheels, Slip Stones, Cleaning Sticks, Dressers, Bench & Pedestal Grinding Wheels, & Grinder Wheels

Knife Grinders & Tool Room Supplies

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Profile Knife Grinders & Accessories, Grinding Coolant, Blade Clean, Starret Calipers, Dykem Dye, Safety Supplies, Bench Grinders, Chop Saws, Cutterhead Measuring & Setup Stands, Knife Weight Balance Scales, Moulder Knife & Template Making Service, Carbide Cutting Saw Systems, (Saw, Planer Knife, Shaper) Grinding Equipment

Saw Blades

Pg. 52-53

Carbide Tipped Saw Blades, Rip Saw Sleeves, Moulder Lineal Feed Counters

Finger Joint Tooling & FJ Machine Parts

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Ace Co. Finger Joint Heads / Knives, German & Japanese FJ Wing Cutters, Reference Engravers, Finger Joint Knife Grinders & CBN Wheels, Finger Joint Cutter Head Combs, Finger Joint Machine Spare Parts, Aquip Finger Joint Glue Application, Finger Joint tool room Supplies & Measuring Tools



Terms & Conditions

C.O.D., Visa / MC, AE, or Open Account - Net 30 days OAC.

Prices: Prices are in US \$ and subject to change. Past due open accounts are subject to a service charge of 1.5% per month of the unpaid amount, plus additional collection costs. Prices are FOB Eugene, Oregon or shippoint and do not include shipping cost, packing, and handling fees. We maintain lean margins in order to offer competitive prices and our costs are affected by world steel commodity markets, so we reserve the right to change specifications, and prices without prior notice. In some cases we offer additional discounts for large volume orders – call with details on the specific opportunity.

Delivery: Most items are shipped FOB Eugene, OR 97402 USA or from the quoted ship point. Delivery dates are estimated and can be affected by raw material providers and freight service providers. We are not liable for additional costs for failure to meet the estimated delivery dates. Shipping damages need to be reported immediately and the shipping container needs to be kept for processing damage claims. A claim of missing items from a shipment must be reported within 30 days. U.S.P.S. Mail orders cannot be traced and if requested the buyer accepts all responsibility if they are not received. Free shipping denotes UPS Ground within the US to one destination on select items.

Custom Made Orders: Custom made items may be subject to a 50% deposit at the time of order and up to a 10% production overrun or shortage to cover scrapage during the manufacturing process. Cancellation of custom made orders may not be possible or may require a payment for the material and work already preformed. Minimum orders may be required on custom products to cover the cost to make machine fixtures or cover min. raw materials requirement by the producer.

Returns: Products returned require a RGA (returns good authorization number) to process the credit correctly. Returned products must be shipped prepaid and packaged to avoid knife chips, rusting, and other shipping damage and arrive in like new sellable condition. Returns may be subject to a re-stocking charge. No returns are allowed after 4 months because of our constant product improvements.

Warranty: Products are guaranteed by the manufactures against defects. Defective products must reported and returned within 60 days of receipt. Misused or neglected products void this warrant. Replacement products are shipped free via standard shipping methods. Warranty does not cover loss of labor or damage claims.

Safety: All products must be used in a safe manner to avoid death or serious injury. Do not exceed maximum R.P.M. ratings and safe tool limits for knife extension. Grinding dust from grinding wheels, jointing stones, knife steel, and carbide knives is potentially hazardous. Use adequate ventilation and OSHA approved respirators and gloves to avoid contact and from breathing coolant mist and dust when grinding. Wash hands after handling. Dispose of waste materials and coolant sludge according to governmental regulations.



Knife Steel Selection & Performance

Premium Quality Steel

We offer a wide selection of fine made knives for cutting nearly any type of wooden material. Our knives are made to exceed industry standard and provide trouble free long run performance even under heavy feed rates. We stock and sell tens of thousands of knives per year and our large sales volume allows us offer unbeatable prices. Knives are true high grade A.I.S.I. mill run steels that are salt bath hardened and triple draw stress relieved for greater consistency. Knives are precision ground and corrugated on advanced CNC creep feed crush grinders for perfect bar to bar consistency.

Standard grades offered are:

D2-HCHC - High Carbon & High Chrome: Our D2 (AISI) knives offer the best value for many moulding producers and planer mills. D2 offers the lowest price per bar because it has a Rockwell C hardness (HRC) of 58. It is easy to grind and resists nicks in knotty soft woods. D2 contains 12% chromium to resist chemical erosion when cutting wet cedar or redwood. Great for softwoods and shorter runs in hardwoods.

V2-HSS™ - High Speed Steel: V2 is our newest exotic breed of HSS with extra Vanadium for long life. V2 offers the same wear life and performance as M2-HSS, but at a 25% lower cost. By increasing the levels of Vanadium to replace more expensive Molybdenum we have developed a blend of steel with excellent tool life and the lowest price of any HSS on the market. V2 has a 63 HRC and is easy to profile shape. Great for most long runs in soft or hardwoods.

M2-HSS - High Speed Steel: Our true grade M2-HSS (AISI) steel offers 25% longer run times than D2-HCHC grade. Our Premium M2-HSS offers high levels of Tungsten (6% W), Molybdenum (5.5% Mo), and Vanadium (2.2%V). M2-HSS is hardened to 63 Rc for better wear resistance in harder woods. Great for long runs in most soft and hardwoods.

BN-HSS - Black Nitride High Speed Steel: BN-HSS is our premium HSS with case hardened (carbon nitride) and black oxide to resist pitch build up. BN-HSS offers up to 100% tool life increases over standard HSS, without being harder to profile shape. BN-HSS features a long wearing cutting edge .010" deep that is more than 72 Rockwell C hardness. Much like Opti™ Knife. Great for long runs and stubborn hardwoods.

M3+-HSS / V3-HSS - High Speed Steel: V3-HSS (M3+-HSS) offers up to 100% longer tool life over M2-HSS. This super alloy steel is great for long runs or on tough hardwoods. V3-HSS is like M42 / T15-HSS. It contains high levels of Vanadium, Tungsten, Moly, and Chromium for extended wear life. Treated to 66 Rc hardness which is one of the hardest HSS offered. **M3+-HSS will replace V3-HSS.**

V2-HSS+RW™ - Coated V2-HSS: For the ultimate value and long tool life you have to try our RW coated knives. By applying the hard long wearing diamond dust chrome coating to the face of V2-HSS you can increase wear life 100% at a small additional cost. Our RW coating offers a 72 Rc hardness to the cutting edge which increases wear life without increasing your grinding time. The RW coating is a proprietary electroplating process that adds .001" thick chip resistant coating. This line of steel is great for most hardwoods and can triple tool life in wet woods that contain tannic acids (oak, cedar, redwood).

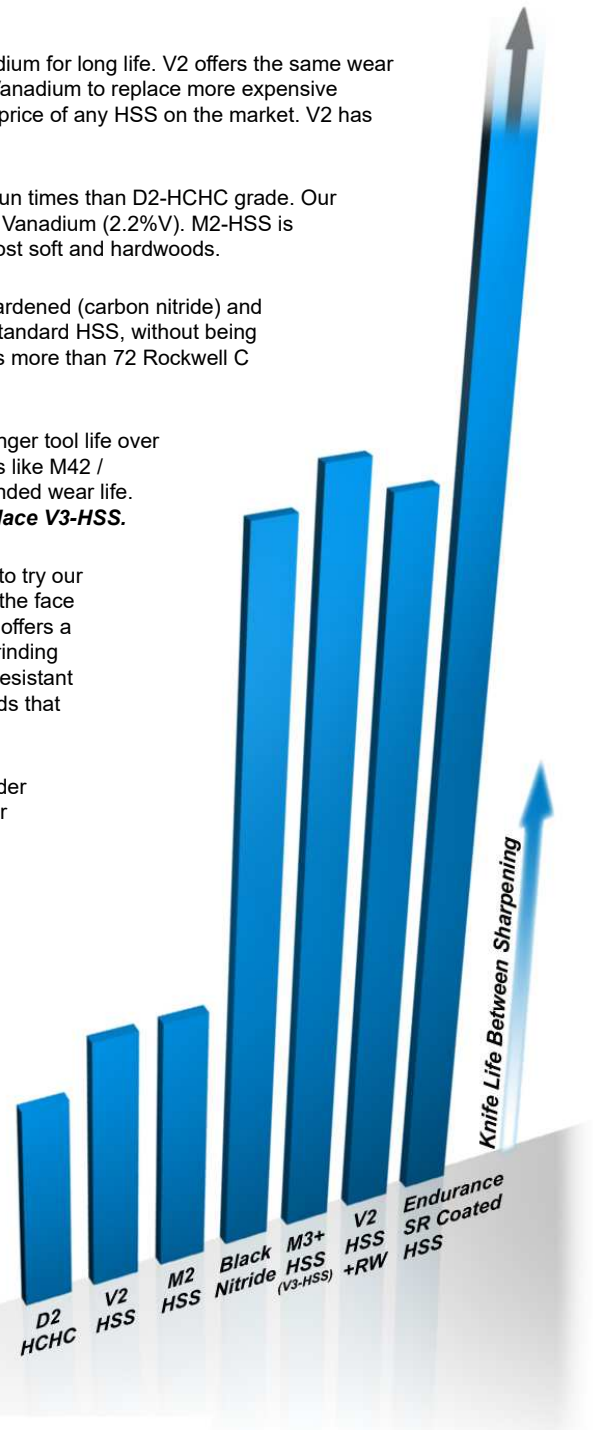
Endurance +SR Coating - Our new "Endurance" super run (ER+ Grade) moulder steel is the best option for extended production time and tool life. An excellent choice for cutting problem hardwoods and for super long production runs. Tool life is increased up to 800% over normal High Speed Steel without the inconvenience associated with using carbide knives. This proprietary knife coating process uses the latest technology developed in Europe for metal working tools. An ion sputtering magnetron chamber applies a P.V.D. (Physical Vapor Deposit); 6 layer film of Titanium, Ceramic crystals, and other elements to the knife surface to form an extremely hard and heat resistant cutting edge. The hardness of the coating is greater than 3500 HV – about twice as hard as C2 grade carbide, but because the coating is so thin, normal vitrified or CBN grinding wheels can be used to profile sharpen the knives. Great for short runs (500 to 1000 feet) cutting MDF, Teak, Ipe and even Angire. Grinds like steel and wears like carbide. NOTE: To avoid removing the wear resistant coating, a wood block should be used to deburr the profiled knives instead of an abrasive slip stone.

Carbide - We offer many grades of carbide that wear more than 1,000% longer than M2-HSS
– See **page 8** for more details.

* RW Diamond Coat (72 Rc) HSS to double tool life.

* Black Nitride / Carbonize (72 Rc) M2 or V2 to double life.

* Flash Hard Chrome Coat (72 Rc) D2 or HSS to cut Wet Cedar & Redwood.



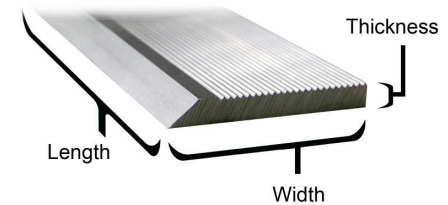
Corrugated Back Moulder Steel

Titan Knife® Brand



We offer premium knives at better prices and stock over 10,000 knives for same day shipping. Below are most of the common sizes of corrugated knife stock, however we can supply additional sizes and grades for your specific needs. We also offer made to order sizes and grades; call for details. In addition most knives can be treated or coated for extended wear life. Let us know how we can earn your business! Knives can be cut and balanced to your required length the same day they are ordered.

* **Quantity Discounts Offered.** \$2.50 per cut.



25" Length		D2-HCHC		BEST VALUE V2-HSS™		M2-HSS		Black Nitride		BEST VALUE V3N-HSS (M3+-HSS)		V2-HSS+RW		Endurance SR+		
Thick x Width	Part #	Price	Part #	Price	Part #	Price	Part #	Price	Part #	Price	Part #	Price	Part #	Price		
3/16"	1.50"	SCD18150	\$51.05	SCV2-18150	\$56.54								SCV2-18150D	\$64.13		
	1.75"	SCD18175	\$54.62	SCV2-18175	\$63.44			SCB18175	\$68.09				SCV2-18175D	\$77.20		
	2.00"	SCD18200	\$58.96	SCV2-18200	\$68.35								SCV2-18200D	\$86.88		
1/4"	1.25"	SCD25125	\$51.05	SCV2-25125	\$60.05	SCM25125	\$61.47	SCB25125	\$59.43				SCV2-25125D	\$67.54		
	1.50"	SCD25150	\$54.62	SCV2-25150	\$62.86	SCM25150	\$71.23	SCB25150	\$65.51	SCV25150	\$105.27		SCV2-25150D	\$71.85		
	1.75"	SCD25175	\$58.77	SCV2-25175	\$66.27	SCM25175	\$80.44	SCB25175	\$72.85	SCV25175	\$115.86		SCV2-25175D	\$80.52		
	2.00"	SCD25200	\$63.29	SCV2-25200	\$72.69	SCM25200	\$86.37	SCB25200	\$83.04	SCV25200	\$125.44		SCV2-25200D	\$89.39		
	2.25"	SCD25225	\$68.27	SCV2-25225	\$81.93	SCM25225	\$94.07	SCB25225	\$91.04	SCV25225	\$136.03		SCV2-25225D	\$97.39		
	2.50"	SCD25250	\$74.21	SCV2-25250	\$89.85	SCM25250	\$102.51	SCB25250	\$100.61	SCV25250	\$148.39		SCV2-25250D	\$106.48		
5/16"	1.25"			SCV2-31125	\$61.16	SCM31125	\$71.78	SCB31125	\$74.90				SCV2-31125D	\$71.09		
	1.50"	SCD31150	\$64.71	SCV2-31150	\$68.27	SCM31150	\$84.07	SCB31150	\$79.79	SCV31150	\$118.05		SCV2-31150D	\$82.68	SCSR-31150	\$159.00
	1.75"	SCD31175	\$69.25	SCV2-31175	\$75.72	SCM31175	\$94.65	SCB31175	\$86.33	SCV31175	\$124.88		SCV2-31175D	\$92.64	SCSR-31175	\$164.00
	2.00"	SCD31200	\$73.41	SCV2-31200	\$78.05	SCM31200	\$99.50	SCB31200	\$97.20	SCV31200	\$136.25		SCV2-31200D	\$103.45	SCSR-31200	\$168.00
	2.25"	SCD31225	\$78.96	SCV2-31225	\$81.20	SCM31225	\$111.49	SCB31225	\$107.91	SCV31225	\$148.75		SCV2-31225D	\$113.41	SCSR-31225	\$184.00
	2.50"	SCD31250	\$84.49	SCV2-31250	\$88.00	SCM31250	\$124.22	SCB31250	\$119.76	SCV31250	\$166.25		SCV2-31250D	\$124.01	SCSR-31250	\$216.00
	2.75"	SCD31275	\$90.62	SCV2-31275	\$106.00	SCM31275	\$133.00	SCB31275	\$143.77	SCV31275	\$169.00		SCV2-31275D	\$150.77	SCSR-31275	\$267.50
	3.00"	SCD31300	\$98.54	SCV2-31300	\$144.46	SCM31300	\$149.00	SCB31300	\$157.94	SCV31300	\$178.80		SCV2-31300D	\$168.08	SCSR-31300	\$296.71
3.50"					SCM31350	\$168.00										
		5/16" is Bottom Bevel				6% Tunsten 5.5% Molybdenum		Black Nitride is HSS case hardened for extra long wear life. Also blackened to reduce pitch buildup. 72 HRC Cutting Edge.		M3+-HSS, V3N has higher levels of Vanadium = increased wear resistance. 65-67 Rockwell C Hardness		V2-HSS+RW hard coat is used for long wear applications. V2 premium steel face coated. -- Add 'B' to part # for Bottom Bevel Option --		Endurance SR+ for hardwoods and super long production runs. Tool life increased up to 800% over normal HSS. An alternative to using carbide.		
Filler Wedge Steel:		1/4" Thick x 3/4" Tall x 25" Long		SCW251	\$39.50 each											
		5/16" Thick x 1" Tall x 25" Long		SCW311	\$39.50 each											
		10mm Thick x 1" Tall x 25" Long		SCW391	\$42.00 each											
		* 60 degrees Corg. / Hardened 5140. To fill empty corg. Knife pockets.														
Backing Steel:		1/8" Thick x 1" Tall x 25" Long 60 Degree Corg. / Hardened 5140														
		To use smooth knives in Corg. Pockets (SCB1251) - \$38.00 each														
														Bevel face bottom option is offered on our D2-HCHC & V2-HSS+RW 5/16" Corg. back knives. This allows for a greater pocket depth initially in Weingig & other German brand heads.		

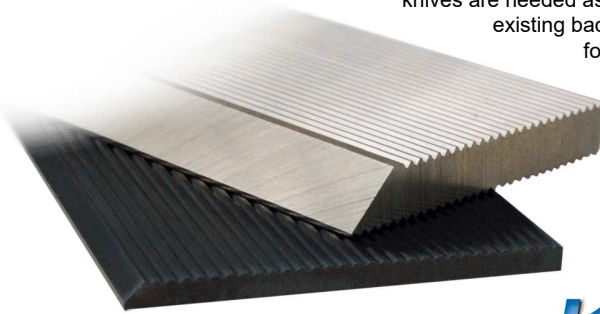


Knife-Lock Carbide Moulder Knives

Knife-Lock is a high precision carbide moulder knife system for millwork manufacturers who cut glue lines, hardwoods, and Medium Density Fiberboards (MDF). **Knife-Lock** knives are compatible with your existing Wisconsin Knife Style steel backing plates. The carbide knife locks and indexes up on a corrugated High Speed Steel backing support plate as it is resharpened.

Polished to mirror finish, our C3-Micro Grain carbide knives offer finer material wood finishes and longer production runs while providing longer diamond grinding wheel wear. The backing plates are a one time purchase, only replacement carbide knives are needed as they are sharpened away. Our carbide knives are also 100% compatible with your existing backing plates. Knives and backing plates are CNC ground on creep feed crush grinders for precise locking, closer balance tolerances from knife to knife, and less initial grinding.

Knives are also offered with optional "Thin Film Diamond" Coating (DVD) - for an additional \$10.00 / inch which increases wear life up to 4 times. Compare our price, selection, quality, and our responsive order delivery and you will see why so many MDF millworkers use *Knife-Lock*.



HSS Steel Backing Plate

Carbide Knife

KNIFE-LOCK®

Lower Prices & Longer Lengths

(Efficiently Manufactured to 310 mm long knife lengths)

High Strength C3 Micron Grain Carbide

(~400,000 PSI Transverse Rupture Strength, 1630 HV10 / 92 RA)

Cut Length (10mm thick)	38mm (1-1/2") High			50mm (2") High			60mm (2-3/8") High			70mm (2-3/4") High		
	Part #	Set Price	Carbide Only	Part #	Set Price	Carbide Only	Part #	Set Price	Carbide Only	Part #	Set Price	Carbide Only
20mm (.78")	US203	\$22.31	\$17.29	US205	\$28.57	\$19.40	US206	\$29.46	\$21.02	US208	\$39.27	\$28.05
30mm (1.18")	US303	\$33.49	\$26.67	US305	\$42.87	\$29.10	US306	\$44.17	\$31.54	US308	\$58.90	\$42.06
40mm (1.57")	US403	\$44.62	\$35.56	US405	\$57.16	\$38.81	US406	\$58.95	\$42.04	US408	\$78.60	\$56.06
50mm (1.96")	US503	\$55.89	\$37.81	US505	\$64.09	\$41.21	US506	\$66.06	\$47.29	US508	\$88.09	\$63.06
60mm (2.36")	US603	\$65.99	\$45.35	US605	\$70.37	\$49.48	US606	\$72.51	\$56.76	US608	\$96.69	\$75.65
70mm (2.75")	US703	\$76.97	\$52.86	US705	\$82.08	\$57.69	US706	\$84.62	\$66.20	US708	\$112.82	\$88.28
80mm (3.14")	US803	\$87.99	\$60.47	US805	\$93.80	\$65.96	US806	\$96.76	\$75.65	US808	\$129.02	\$100.87
90mm (3.54")	US903	\$98.99	\$66.04	US905	\$105.42	\$74.22	US906	\$108.63	\$85.13	US908	\$144.87	\$113.50
100mm (3.93")	US1003	\$110.01	\$75.58	US1005	\$117.27	\$82.46	US1006	\$120.86	\$94.58	US1008	\$161.14	\$126.09
110mm (4.33")	US1103	\$121.24	\$83.15	US1105	\$128.42	\$90.67	US1106	\$132.38	\$101.00	US1108	\$170.27	\$134.67
120mm (4.72")	US1203	\$131.92	\$90.67	US1205	\$135.33	\$98.94	US1206	\$139.53	\$113.50	US1208	\$186.05	\$151.32
130mm (5.11")	US1303	\$142.98	\$95.39	US1305	\$152.30	\$107.17	US1306	\$157.04	\$122.95	US1308	\$209.38	\$163.94
140mm (5.51")	US1403	\$153.92	\$102.74	US1405	\$164.14	\$112.07	US1406	\$169.19	\$128.55	US1408	\$225.59	\$171.41
150mm (5.90")	US1503	\$164.20	\$113.39	US1505	\$175.77	\$123.65	US1506	\$181.19	\$141.87	US1508	\$241.57	\$189.16
160mm (6.29")	US1603	\$175.92	\$117.41	US1605	\$187.67	\$131.91	US1606	\$192.70	\$151.32	US1608	\$256.93	\$201.74
170mm (6.69")	US1703	\$181.50	\$124.90	US1705	\$200.65	\$140.15	US1706	\$204.76	\$160.79	US1708	\$273.02	\$214.37
180mm (7.08")	US1803	\$197.93	\$132.08	US1805	\$211.84	\$148.42	US1806	\$219.23	\$170.23	US1808	\$292.31	\$226.98
190mm (7.48")	US1903	\$208.90	\$139.43	US1905	\$222.64	\$156.28	US1906	\$229.34	\$179.01	US1908	\$305.79	\$238.66
200mm (7.87")	US2003	\$221.48	\$146.74	US2005	\$234.37	\$164.49	US2006	\$241.42	\$188.43	US2008	\$321.89	\$251.23
210mm (8.26")	US2103	\$232.62	\$154.09	US2105	\$245.02	\$172.72	US2106	\$253.48	\$197.83	US2108	\$337.98	\$263.80
220mm (8.66")	US2203	\$240.04	\$161.43	US2205	\$255.66	\$180.95	US2206	\$265.55	\$207.28	US2208	\$354.09	\$276.37
230mm (9.05")	US2303	\$260.29	\$172.47	US2305	\$266.32	\$189.18	US2306	\$277.62	\$216.69	US2308	\$370.14	\$288.94
240mm (9.45")	US2403	\$263.08	\$180.85	US2405	\$277.68	\$197.41	US2406	\$287.54	\$226.10	US2408	\$383.39	\$301.49
250mm (9.84")	US2503	\$281.07	\$186.27	US2505	\$289.76	\$202.96	US2506	\$299.10	\$235.00	US2508	\$397.79	\$313.56
310mm (12.2")	US3103	\$324.47	\$226.86	US3105	\$357.86	\$251.01	US3106	\$372.52	\$283.07	US3108	\$425.95	\$345.83

For Carbide only Add "C" to the part number, Add "B" for backing only.
65mm Tall Knives also offered: Add 8% over 60mm wide prices.



German Style Euro-Lock

The ultimate carbide moulder knife system for high production millworkers who cut Medium Density Fiberboard (MDF). **Euro-Lock** knives are compatible with your existing Weinig Knife or Leitz Style steel backing plates. Advantages over the competition include the use of a super strong *C3 μ Micro-Grain* carbide with higher hardness for longer production runs and our backing plates are the only ones made from high grade M2-High Speed Steel for greater carbide support. Our competitors use softer steel backers that can bend & require additional deburring. Our backers are fully corrugated to allow the backer to be raised up in the knife pocket for additional resharpenings.

Euro-Lock knives and backing plates are CNC ground on the latest crush grinders for greater accuracy, precise index locking, & closer balance tolerances with polished knife faces to a mirror finish to improve the edge sharpness that results in finer material finishes in MDF. Our knives offer the best choice for reliable trouble free performance.



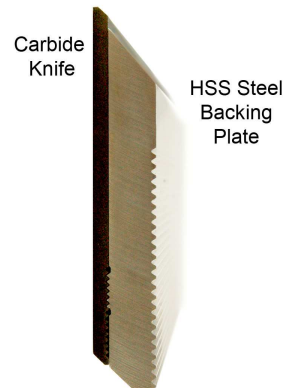
EURO-LOCK[®]

Knife Set - Carbide Knife + Backing Plate						
Cutting Length	38mm (1-1/2") Height		50mm (2") Height		60mm (2-3/8") Height	
	Part #	Set Price	Part #	Set Price	Part #	Set Price
40mm (1.57")	ES403	\$67.67	ES405	\$77.60	ES406	\$85.71
60mm (2.36")	ES603	\$81.20	ES605	\$86.61	ES606	\$106.47
80mm (3.14")	ES803	\$106.47	ES805	\$116.39	ES806	\$134.44
100mm (3.93")	ES1003	\$129.93	ES1005	\$139.84	ES1006	\$168.73
130mm (5.11")	ES1303	\$163.31	ES1305	\$180.46	ES1306	\$206.61
150mm (5.90")	ES1503	\$187.67	ES1505	\$212.93	ES1506	\$246.31
180mm (7.08")	ES1803	\$193.99	ES1805	\$258.04	ES1806	\$295.04
230mm (9.05")	ES2303	\$289.63	ES2305	\$329.71	ES2306	\$374.44
300mm (11.81")	ES3003	\$389.47	ES3005	\$442.10	ES3006	\$494.74

- Lower Prices
 Factory Direct sales. If you can find a lower price we will beat it!
- Quick Delivery
 Same day UPS shipping from stock when ordered by 5pm EST.
- Larger Selection
 of knives. Special widths up to 70mm and Lengths up to 300mm (11.81")

Carbide Only - Replacement Carbide Knives						
Cutting Length	38mm (1-1/2") Height		50mm (2") Height		60mm (2-3/8") Height	
	Part #	Carbide Only	Part #	Carbide Only	Part #	Carbide Only
40mm (1.57")	ES403-C	\$40.04	ES405-C	\$43.70	ES406-C	\$47.34
60mm (2.36")	ES603-C	\$51.07	ES605-C	\$55.73	ES606-C	\$63.91
80mm (3.14")	ES803-C	\$68.10	ES805-C	\$74.29	ES806-C	\$85.20
100mm (3.93")	ES1003-C	\$85.11	ES1005-C	\$92.86	ES1006-C	\$106.51
130mm (5.11")	ES1303-C	\$107.43	ES1305-C	\$120.70	ES1306-C	\$138.47
150mm (5.90")	ES1503-C	\$127.69	ES1505-C	\$139.27	ES1506-C	\$159.77
180mm (7.08")	ES1803-C	\$148.76	ES1805-C	\$167.14	ES1806-C	\$191.73
230mm (9.05")	ES2303-C	\$194.23	ES2305-C	\$213.06	ES2306-C	\$244.04
300mm (11.81")	ES3003-C	\$254.13	ES3005-C	\$282.70	ES3006-C	\$308.27

- Experienced Technical Support
 Low Cost Knife Profiling services, special grinding wheels (pg. 41) & more.



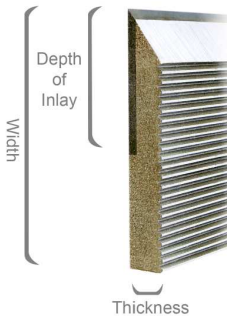
Knives are now offered with an optional "Thin Film Diamond" Coating (**PCD-CVD**) for 30% higher price. PCD diamond coating increases wear life up to 4 times. Compare our price, selection, quality, and our responsive order delivery and you will see why so many MDF millworkers use *Euro-Lock*.

We also offer many other cutting lengths, and 70mm wide carbide for deep profiles. Call for more details.

Carbide Inlay Moulder / Planer & Shavings Mill Knives

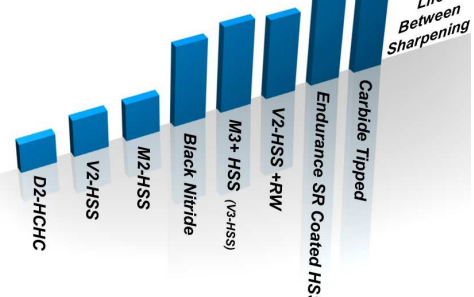
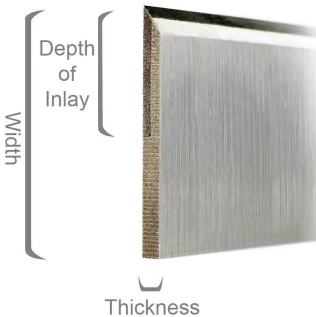
Carbide runs 10 times longer than the best High Speed Steels. Great for hardwoods, long run surfacing, and MDF profiles. We offer a complete line of stock and custom made carbide knives, solid carbide strips, Indexable carbide, and Micro-Grain carbide inserts or turnable blades for most cutter head styles. For grinding we even developed special CDX Diamond grinding wheels for sharpening carbide inlay knives. Standard Knives are offered in Corrugated back (60°) and Smooth back planer knives. Pre-ground / Profiled Moulder knives (wire EDM or Profile ground) are offered to save you time. Knives below are stocked in long bars but can be cut to length as needed.

Corrugated Back Carbide Inlay Moulder & Planer Knives								
25" Length		7/16" Inlay		9/16" Inlay		1" Inlay		
Thick	Width	Part #	Price	Part #	Price	Part #	Price	
3/16"	1.50"	SCC18150	\$162.20					
	1.25"	SCC25125	\$192.71					
	1/4"	1.50"			SCC25150	\$211.46		
		1.75"			SCC25175-15	\$222.66	SCC25175	\$289.32
5/16"	2.00"					SCC25200	\$296.09	
	1.50"			SCC31150	\$216.67			
	1.75"			SCC31175-15	\$234.38	SCC31175	\$302.08	
	2.00"					SCC31200	\$309.11	
	2.38"			1-3/8" Inlay →		SCC31238	\$380.21	



*Cut Fee \$5.00 each.

Smooth Back Carbide Inlay Moulder & Planer Knives					
25" Length		7/16" Inlay		9/16" Inlay	
Thick	Width	Part #	Price	Part #	Price
1/8"	5/8"	SBC25625125	\$74.08		
	11/16"	SBC250688125	\$74.64		
	3/4"	SBC25075125	\$75.68		
	7/8"	SBC52875125	\$76.29		
	1"	SBC251125	\$77.29		
	1-1/8"	SBC251125125	\$77.66		
	1-3/16"	SBC25111825	\$78.45		
	1-1/4"	SBC25125125	\$78.87		
5/32"	1-3/8"	SBC25138125	\$86.07		
	1-3/8"	SBC25138156	\$94.25		
	1-1/2"	SBC25150156	\$99.11	SBC25151515	\$175.26
	1-3/4"	24" Length →		SBC25171515	\$184.09



C3-Micro-Grain SOLID CARBIDE STRIPS (STB)

Call for price on made to order strip sizes. Carbide strips used for moulding abrasive materials and glue lines. Offered in C2, C3, and C4 grades depending on your needs. Limited stock. Diamond cut-off wheels also offered (NCD1A1CO) 10" x 1/16" x 1.25" bore.

Wood Shavings Mill Knife Blades

Thick	Width	Length	Description / for Machine	Bevel	Part #	Price
1/4"	1.50"	20"	D2 Corrugated for Salsco	30° or 40°	SCD25150-20	\$37.00
1/4"	1.50"	30"	D2 Corrugated for Salsco	30° or 40°	SCD25150-30	\$54.00
5/32"	1.50"	20"	D2 Smooth for Douglas	30°	SBD15150-20	\$20.93
5/32"	1.50"	30"	D2 Smooth for Douglas	30°	SBD15150-30	\$31.40
5/32"	1.50"	40"	D2 Smooth for Douglas, N.W.	30°	SBD15150-40	\$33.00
5/32"	1.625"	27.75"	D2 Smooth for Jackson	30°	SBD151625-27.75	\$24.00
5/32"	1.75"	27.75"	D2 Smooth for Jackson	30°	SBD15175-27.75	\$24.00
5/32"	2"	15"	D2 Smooth for Newman Whitney	30°	SBD15215	\$14.10
5/32"	2"	19.875"	D2 Smooth	30°	SBD15200-19.875	\$18.75
5/32"	2"	22.5"	D2 Smooth	30°	SBD15200-22.5	\$21.15
5/32"	2"	39"	D2 Smooth for Blue Diamond - with babbet slots	30°	SBD15239-B	\$39.00



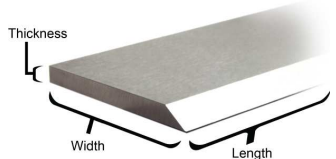
Smooth Back Moulder & Planer Steel

Smooth Back Moulder & Planer Steel					
Bar Size		31" V2-HSS		36" V2-HSS	
Thick x Width		Part #	Price	Part #	Price
1/8"	5/8"	SBV126251	\$18.66	SBV12625	\$23.19
	11/16"	SBV126881	\$19.94	SBV12688	\$24.81
	3/4"	SBV127501	\$21.96	SBV12750	\$27.31
	13/16"	SBV128131	\$24.16	SBV12813	\$30.04
	7/8"	SBV128751	\$25.61	SBV12875	\$31.87
	1.00"	SBV121001	\$27.63	SBV12100	\$34.38
	1-1/8"	SBV1211251	\$31.29	SBV121125	\$38.93
	1-3/16"	SBV121881	\$33.11	SBV12188	\$41.20
	1-1/4"	SBV121251	\$34.95	SBV12125	\$43.48
	1-3/8"	SBV121381	\$38.42	SBV12138	\$44.62
	1-1/2"	SBV121501	\$41.90	SBV12150	\$47.12
2.00"	SBV122001	\$57.59			

Titan High End Stock!

We offer a wide selection of precision made smooth back moulder knives and planer knives. Standard grades and sizes shown, but made to order sizes are offered as needed. Square edge and bevel edge moulder knives are stocked in the wider sizes for hand grinding. We also offer slotted knives for clamp type heads. Long bars can be cut to length & balanced in head sets.

\$2.50 per cut.



Smooth Back Moulder & Planer Steel					
Bar Size		40" D2-HCHC		40" M2-HSS	
Thick x Width		Part #	Price	Part #	Price
5/32"	1-1/2"	SBD15150-40	\$33.00	SBM15150-40	\$41.00
	1-3/4"	SBD15175-40	\$35.00	SBM15175HT-40	\$42.00

Smooth Back Moulder & Planer Steel					
Bar Size		31" D2-HCHC		31" V2-HSS	
Thick x Width		Part #	Price	Part #	Price
5/32"	1.25"	SBD15125	\$27.14	SBV15125	\$37.09
	1.50"	SBD15150	\$28.90	SBV15150	\$45.23
	1.75"	SBD15175	\$33.88	SBV15175	\$52.15
	2.00"	SBD15200	\$35.19	SBV15200	\$61.84
	2.25"	SBD15225	\$41.23	SBV15225	\$69.52
	2.50"	SBD15250	\$49.73	SBV15250	\$71.62
3/16"	1.75"		25" ▶	SBM18175-25	\$53.85
	2.00"		25" ▶	SBM18200-25	\$56.75
	2.25"		31" ▶	SBM18225	\$82.25
	2.50"		31" ▶	SBM18250	\$91.25
1/4"				25" HSS	
	1.25"			SBM25125	\$45.00
	1.50"			SBM25150	\$51.25
	1.75"			SBM25175	\$60.25
	2.00"			SBM25200	*\$68.75
	2.25"			SBM25225	*\$78.50
	2.50"			SBM25250	*\$87.19
	2.75"			SSM25275	\$109.11
3.00"			SSM25300	\$123.25	
5/16"	4.00"	SSD32400	\$55.67	◀ 25"	

Bevel Edge. Square Edge also available.

Bevel Edge. *Also offered in Square Edge.

Square Edge

Square Edge.



D2 Feeder Knives					
Thickness	Width	Length	Bevel / Description	Part #	Price
1/4"	2"	10.5"	30° Pole Peeler	SBD25210.5	\$20.00
		14"	30° Pole Peeler	SBD25214	\$28.00
		29.75"	37°	SBD25229.75	\$53.13
		30.125"	43°	SBD25200	\$52.50
		32"	37°	SBD25232	\$52.00

We offer a variety of knives used to feed waste wood hog chippers. Also offered are standard and custom sizes to fit Precision, WPI, and other brand feeders.



Planer & Jointer Knife Sets

We offer a large selection of high quality planer and jointer knife sets in HSS and TCT Carbide tipped (10mm wide tips). **See page 12 for Portable Planer and Electric Handheld Planer Knives.**

Planer Knife Setter
P/N: KSG-100
\$50.00



Length	Width	Thickness	V2-HSS Set Price / Part #	Carbide Tipped Set Price / Part #	Knives in Set	Fits Planer / Jointer
4"	5/8"	1/8"	\$8.43 SVB4625125	\$50.41 SBC4625125	3	Atlas, Boice Crane, Old Craftsman, Jet JJ-4 & Similar Jointers
4-1/4"	3/4"	1/8"	\$10.31 SVB42575125	N/A	3	Older Craftsman Jointer
6"	5/8"	1/8"	\$11.71 SVB6625125	\$75.91 SBC6625125	3	Delta 6", TTL, Boice Crane, Craftsman, Rockwell, Jet JJ-6 Sunhill, Woodtek, Most Imports
6"	5/8"	1/8"	\$15.64 SVB6625125-4	N/A	4	Boice Crane
6"	3/4"	1/8"	\$13.96 SVB675125	\$76.45 SBC675125	3	Powermatic 50, Crescent, Atlas
6"	1"	1/8"	\$18.52 SVB61125	\$77.28 SBC61125	3	Grizzly G6697
6-1/16"	5/8"	1/8"	\$12.03 SVB6-1/1662512	\$76.84 SBC6062625125	3	Powermatic 54A (No Holes), Jet JJ-6
6-1/16"	3/4"	1/8"	\$14.06 SVB6-1/1675125	\$76.45 SBC6-1/1675125	3	Delta, Walker-Tuner, Wallace
6-1/16"	13/16"	1/8"	\$15.33 SVB6062812125	\$77.28 SBC6062812125	3	Delta DJ-15, 37-154 & Similar 6" Jointers
6-1/8"	5/8"	3/32"	\$12.08 SVB6125625093	N/A	3	Delta 37-658, 37-205, 37-220, 37-195, 37-190 Jointers, Rockwell 37-280
6-1/8"	5/8"	1/8"	\$12.08 SVB6125625125	N/A	3	Craftsman
6-1/8"	11/16"	1/8"	\$12.97 SVB6125688125	\$71.17 SBC6125688125	3	Jet, Ridgid JP0610
8"	5/8"	1/8"	\$16.52 SVB8625125	\$101.11 SBC8625125	3	Delta 8", TTL, Boice Crane, Rockwell, Powermatic 60, Jet JJ-8, Woodtek, Most Imports
8"	3/4"	1/8"	\$18.67 SVB875125	\$101.66 SBC875125	3	Jet JJ-8 Jointer, Powermatic 60, Pryor, Sunhill
8"	3/4"	1/8"	\$24.88 SVB875125-4	\$135.55 SBC875125B	4	Bridgewood, Grizzly 8"
8"	7/8"	1/8"	\$21.38 SVB8875125	\$102.22 SBC8875125	3	Older Powermatic 60
8"	1"	1/8"	\$24.78 SVB81125	\$102.77 SBC81125	3	Grizzly G6698, Oliver, Shop Fox W1684
8-1/16"	5/8"	3/32"	\$15.93 SVB80626093	N/A	3	Delta 37-315, Yates, J-Line
8-1/16"	5/8"	1/8"	\$15.93 SVB8-1/16625125	N/A	3	Delta
8-1/16"	3/4"	1/8"	\$18.94 SVB8-1/1675125	\$102.11 SBC8-1/1675125	3	Sunhill Machinery
8-1/16"	13/16"	1/8"	\$20.46 SVB8062812125	\$102.77 SBC8062812125	3	Delta DJ-20, 37-365 & Similar
11-13/16" 300mm	25/32" 20mm	1/8" 3mm	\$39.00 SVB1278118	N/A	2	Logosol PH260
12"	3/4"	1/8"	\$27.94 SVB1275125	N/A	3	Grizzly G6700
12"	7/8"	1/8"	\$31.91 SVB12875125	\$153.19 SBC12875125	3	Powermatic 100, Parks, Woodtek
12"	1"	1/8"	\$37.03 SVB121125	\$154.29 SBC121125	3	Craftsman
12"	1-1/4"	1/8"	\$45.78 SVB12125125	\$155.96 SBC12125125	3	Northfield, Oliver, Powermatic 1285
12-1/4"	3/4"	1/8"	\$28.50 SVB122575125	N/A	3	Boice Crane, Reliant, Wilke
12-1/4"	7/8"	1/8"	\$32.72 SVB1225875125	\$156.51 SBC1225875125	3	Powermatic 100
12-1/4"	1"	1/8"	\$37.84 SVB12251125	\$157.34 SBC12251125	3	Parks, Boice, Most European Combo Machines
12-1/2"	5/8"	1/8"	\$24.44 SVB12562525	N/A	3	Boice Crane
12-1/2"	11/16"	1/8"	\$26.41 SVB1250687125	\$158.17 SBC1250687125	3	RBI Model 812, Foley-Belsaw, Woodmaster 712, Jet
12-1/2"	3/4"	1/8"	\$19.99 SVB125075125-2	\$105.82 SBC125075125-2	2	Jet 708522, JWP 12-4P, Craftsman 233780
12-1/2"	3/4"	1/8"	\$29.11 SVB125075125	\$158.73 SBC125075125	3	Jet, Grizzly G1195, Wilke, Reliant, & Most 12" Imports
13-1/16"	5/8"	1/8"	\$25.83 SVB13062625125	\$164.82 SBC13063625125	3	Jet
13-1/8"	5/8"	3/32"	\$25.83 SVB13125625093	N/A	3	-
13-1/8"	11/16"	5/32"	\$34.36 SVB13125116152	N/A	3	Delta 22-401 (No slots in knife.)
13-1/8"	1"	1/8"	\$40.53 SVB131251125	\$168.69 SBC131251125	3	Delta RC-33 & DC-33 13" Planer, Rockwell
13-5/8" 346mm	25/32" 20mm	1/8" 3mm	\$43.00 SVB1278136	N/A	2	Baker 412

Planer & Jointer Knife Sets



See page 12 for Portable Planer and Electric Handheld Planer Knives.

Length	Width	Thickness	V2-HSS Set Price / Part #	Carbide Tipped Set Price / Part #	Knives in Set	Fits Planer / Jointer
15"	1"	1/8"	\$46.35 SVB151125	\$192.80 SBC151125A	3	Delta DC-380, Grizzly G6701, Reliant, Woodtek, TLL, Powermatic 15, Jet 708529G, JWP-15CS, JWP-15HO, Jet Knife # 708807, JWP15H-K, Most 15" Imports
15-1/16"	1"	1/8"	\$46.57 SVB15-1/161125	N/A	3	Delta 22-677
15-1/2"	0.7"	1/8"	\$64.29 SCT1207-15.5	N/A	3	RBI Model 616 (Corrugated Back Planer Knives)
15-3/4"	1-3/16" 30mm	1/8" 3mm	\$76.53 SVB15751187125	\$214.74 SBC15751187125	4	SCMI
16"	1"	1/8"	\$49.39 SVB161125	N/A	3	Jet JWP16
16"	1-1/8"	1/8"	\$73.50 SVB161125125	N/A	4	Bridgewood, Crescent, Grizzly 16"
16"	1-1/4"	1/8"	\$61.20 SVB16125125	\$208.03 SBC16125125	3	Northfield 16HD
16-5/32" 410mm	25/32" 20mm	1/8" 3mm	\$49.80 SVB127816	N/A	2	Logosol PH260, Baker 412
16-3/16"	1-3/16" 30mm	1/8" 3mm	\$78.68 SVB161871187125	\$277.01 SBC161871187125	4	SCMI
16-1/4"	1-1/4"	5/32"	\$73.30 SVB1625125156	\$214.13 SBC1625125156	3	Powermatic 160
16-1/2"	11/16"	1/8"	\$46.18 SVB1650687125	\$276.18 SBC1650687125	4	RBI Model 816
18"	1-1/4"	5/32"	\$81.19 SVB18125156	\$236.84 SBC18125156	3	Powermatic
18-1/8"	1-1/8"	5/32"	\$73.65 SVB181251125156	\$230.19 SBC181251125156	3	Rockwell, Delta 22-212, Yates J180
18-1/4"	1-1/4"	5/32"	\$82.27 SVB1825125156	\$240.17 SBC1825125156	3	Powermatic180
18-1/2"	11/16"	1/8"	\$38.78 SVB1825687125	\$233.80 SBC1825687125	3	Woodmaster 718
20"	1"	1/8"	\$61.29 SVB201125	\$257.89 SBC201125	3	Grizzly, Northwood
20"	1"	1/8"	\$81.68 SVB201125A	\$329.08 SBC201125A	4	Parks, TLL 20", Jet 208, Northstate, Grizzly G6702, Powermatic 209, Sunhill
20"	1-1/8"	1/8"	\$91.94 SVB201125125	\$341.00 SBC201125125	4	Delta 20x9 Crescent, Many European Machines
20"	1-3/16"	1/8"	\$96.77 SVB201187125	\$341.83 SBC201187125	4	Delta 20" Planer, Grizzly 20" H7269, Many Imports
20"	1-1/4"	1/8"	\$76.50 SVB20125125	N/A	3	Woodtek 20"
20-5/64" 510mm	25/32" 20mm	1/8" 3mm	\$63.00 SVB127820	N/A		Logosol PH360
20-3/16"	1-3/16"	1/8"	\$97.17 SVB201871187125	\$344.04 SBC201871187125	4	Delta DC-580
20-3/16"	1-3/8"	1/8"	\$108.51 SVB201871375125	\$346.26 SBC201871375125	4	Delta RC-51, 22-460, Phinero
20-1/4"	1-1/4"	5/32"	\$91.34 SVB2025125156	\$267.59 SBC2025125156	3	Powermatic 221
20-1/2"	11/16"	1/8"	\$57.42 SVB2050687125	\$344.04 SBC2050687125	4	RBI Model 820
20-1/2"	0.7"	1/8"	\$86.14 SCT1207-20.5	N/A	3	RBI (Corrugated Back Planer Knives)
20-1/2"	1-3/16" 30mm	1/8" 3mm	\$98.30 SVB20501187125	\$350.14 SBC20501187125	4	SCMI 520, 550, 552
20-1/2"	1-3/8"	1/8"	\$106.41 SVB205138125	N/A	4	
22-1/8"	1"	1/8"	\$90.33 SVB221251125	N/A	4	Powermatic 201
24"	1-1/4"	5/32"	\$144.35 SVB24125156	\$414.40 SBC24125156	4	Powermatic & Northfield
24-1/8"	1-3/16"	1/8"	\$115.73 SVB241251187125	\$411.08 SBC241251187125	4	Grizzly G6705
24-1/4"	1-1/8"	1/8"	\$83.75 SVB24251125125	\$313.29 SBC24251125125	3	Delta 22-470
24-1/4"	1-1/8"	1/8"	\$111.67 SVB24251125125-4	\$417.73 SBC24251125125-4	4	Crescent (Delta)
24-1/4"	1-1/4"	5/32"	\$138.00 SVB24125156-4	N/A	4	Powermatic 225
24-3/4"	1-1/8"	1/8"	\$85.43 SVB24751125125	\$428.03 SBC24751125125	3	Jet 24H
24-13/16"	1-3/8"	1/8"	\$130.59 SVB248121375125	\$364.37 SBC248121375125	4	Delta RC-63, 22-610
25"	11/16"	1/8"	\$52.02 SVB25687125	\$253.06 SBC25687125	3	Woodmaster 725
25"	1-1/4"	1/8"	\$131.83 SVB25125125	\$322.11	4	Powermatic
25"	1-3/8"	1/8"	\$134.59 SVB25138125	\$351.54	4	Pinheiro
25-13/16"	1-3/8" 35mm	1/8" 3mm	\$136.00 SVB251871375125	\$364.37 SBC251871375125	4	SCMI F630 & F535



Portable Planer & Electric Handheld Planer Knife Sets



We now offer knife sets for common handheld electric power planers from Makita, Bosch, Hitachi, Freud, Metabo, Skil, DeWalt, and Black & Decker. These knives may fit in some handheld power planers not listed. Please contact us for any additions or corrections on planer compatibility.

Handheld Electric Planer Knife Sets

Length	Width	Thickness	Part #	Price	Grade	Knives in Set	Fits Planer
3-1/4" 82mm	13/64"	3/64"	PKH-12831	\$7.26	Carbide	2	Makita 1100, 1900B, N1900B, 1902, 1902X7, 1923B, N1923B, KP0810, KP0800K, OEM # D16966. Black & Decker 7696, 7698, 7698K, BD6500, 7698L, 79-699. Bosch PA1202, 1560, 1593, 1594, 1594K, 3296, 3365, 53518, 53514, PL1682. Craftsman 900173700. DeWalt DW6654, DW677, DW678, DW680, D26677K. Metabo HO0882. Porter Cable 367 Type 1, 9125. Ryobi HPL50K-30, HPL51K. Skil HD1555. (Double Edged) <i>Note: Set Plates for Old Makita or Old DeWalt Planer conversion not included.</i>
3-1/4" 82mm	1-3/32"	1/8"	PKH-12833	\$5.70	HSS	2	Hitachi P20SBK, P20SB. (Single Edge)
3-1/4" 82mm	1-1/8"	1/8"	PKH-12834	\$5.90	HSS	2	Makita 1100, 1900B, N1900B, 1923B, N1923B, OEM # 731001-4, DeWalt DW6655, DW677, DW678, and DW680K. (Single Edge)
3-1/4" 82mm	1-1/8"	1/8"	PKH-12835	\$9.11	Carbide Tipped	2	Makita 1100, 1900B, N1900B, 1923B, N1923B, OEM # 793007-0, DeWalt DW6655, DW677, DW678, and DW680K. (Single Edge)
4-3/8"	1-1/8"	1/8"	PKH-12836	\$8.44	HSS	2	Makita 1002BA, 1911B, 1912B, 1805B, OEM # 793008-8. (Single Edge)



We offer knife sets for common portable bench top planer and jointer machines from Craftsman, Delta, DeWalt, Ridgid, Ryobi, and more. PKH Knife dimension measurements shown in inches are approximates.

Portable Planer Knife Sets

Length	Width	Thickness	Part #	Price	Grade	Knives in Set	Fits Planer
6"	16.5mm	2.7mm	PKH-14803	\$14.99	HSS	3	6" Delta 37-195, Delta 37-275X & Delta 37-190 (Single Edge)
6-3/16"	7/8"	1/16"	PKH-14801	\$12.99	HSS	2	6" Delta 37-070 & Delta JT160 (Single Edge)
12"	15/32"	1/16"	PKH-12804	\$19.99	HSS	2	12" Craftsman 21722, Central Machinery 95082 (Double Edged)
12-15/32"	3/4"	1/16"	PKH-12810	\$28.99	HSS	2	12" Delta 22-540 (Double Edged)
12-1/2"	15/32"	1/16"	PKH-12803	\$29.99	HSS	2	12-1/2" Delta 22-560, 22-565, TP305, TP400LS, Ryobi AP-12, Craftsman 21758, Grizzly G0663, Performax 240-3749, Porter Cable PC305TP, Powertec PL1250 (Double Edged)
12-1/2"	45/64"	1/8"	PKH-12818	\$34.53	HSS	2	12-1/2" Craftsman 233780, Wilton 99178 & 34463, Rockwell RK9018, Jet 708813, JWP-12DX (Double Edge)
12-1/2"	7/8"	1/16"	PKH-12801	\$37.99	HSS	3	12-1/2" DeWalt DW734 (Double Edged)
12-1/2"	1-1/16"	1/8"	PKH-12809	\$33.99	HSS	2	12-1/2" DeWalt DW733 (Single Edge)
13"	1/2"	1/16"	PKH-12806	\$17.99	HSS	2	13" Ryobi AP1300. Order 2 Sets for 3 Knife Craftsman Model 21748 & 3 Knife Masterforce Model 2400045 (Double Edged)
13"	3/4"	1/16"	PKH-12807	\$27.99	HSS	2	13" Ridgid TP1300 (Double Edged)
13"	3/4"	1/16"	PKH-12826	\$27.99	HSS	2	13" Ryobi AP1301 (Double Edged)
13"	7/8"	1/16"	PKH-12800	\$39.99	HSS	3	13" DeWalt DW735 (Double Edged)
13"	7/8"	1/16"	PKH-12800-C	\$158.00	Carbide Tipped	3	13" DeWalt DW735 (Single Edge)
13-1/8"	15/32"	1/16"	PKH-12802	\$29.99	HSS	2	13" Delta 22-580 & Delta TP300, Grizzly G0689 (Double Edged)
13-1/8"	15/32"	1/16"	PKH-12827	\$49.80	HSS	3	13" Delta 22-590, Steel City Model 40220 (Double Edge)
13-3/8"	15/32"	1/16"	PKH-12828	\$27.99	HSS	3	13" Ridgid R4331 & R4330 (Double Edge)

Tersa™ Brand Replacement Knives



Genuine Swiss Made



Reduced Prices!

Length	Chrome		HSS		M42		Carbide	
	Part #	Price	Part #	Price	Part #	Price	Part #	Price
50 mm	TS-1940050	\$4.37	TS-1950050	\$4.77	TS-1956050	\$4.94	TS-1961050	\$19.26
60 mm	TS-1940060	\$4.54	TS-1950060	\$5.15	TS-1956060	\$5.31	TS-1961060	\$22.40
70 mm	TS-1940070	\$4.79	TS-1950070	\$5.52	TS-1956070	\$5.68	TS-1961070	\$25.45
80 mm	TS-1940080	\$4.97	TS-1950080	\$5.89	TS-1956080	\$6.13	TS-1961080	\$28.52
85 mm	TS-1940085	\$5.05	TS-1950085	\$6.08	TS-1956085	\$6.27	TS-1961085	\$30.06
90 mm	TS-1940090	\$5.22	TS-1950090	\$6.27	TS-1956090	\$6.51	TS-1961090	\$31.58
100 mm	TS-1940100	\$5.40	TS-1950100	\$6.64	TS-1956100	\$6.95	TS-1961100	\$34.97
110 mm	TS-1940110	\$5.59	TS-1950110	\$7.02	TS-1956110	\$7.33	TS-1961110	\$38.00
115 mm	TS-1940115	\$5.75	TS-1940115	\$7.16	TS-1956115	\$7.54	TS-1961115	\$39.35
120 mm	TS-1940120	\$5.83	TS-1950120	\$7.39	TS-1956120	\$7.69	TS-1961120	\$41.02
125 mm	TS-1940125	\$5.91	TS-1950125	\$7.54	TS-1956125	\$7.91	TS-1961125	\$42.71
130 mm	TS-1940130	\$6.01	TS-1950130	\$7.77	TS-1956130	\$8.14	TS-1961130	\$44.05
140 mm	TS-1940140	\$6.25	TS-1950140	\$8.14	TS-1956140	\$8.61	TS-1961140	\$47.07
150 mm	TS-1940150	\$6.42	TS-1950150	\$8.52	TS-1956150	\$8.96	TS-1961150	\$50.11
155 mm	TS-1940155	\$6.53	TS-1950155	\$8.71	TS-1956155	\$9.09	TS-1961155	\$51.78
160 mm	TS-1940160	\$6.68	TS-1950160	\$8.88	TS-1956160	\$9.34	TS-1961160	\$53.13
170 mm	TS-1940170	\$6.85	TS-1950170	\$9.26	TS-1956170	\$9.71	TS-1961170	\$56.49
180 mm	TS-1940180	\$7.12	TS-1950180	\$9.64	TS-1956180	\$10.15	TS-1961180	\$59.52
185 mm	TS-1940185	\$7.20	TS-1950185	\$9.78	TS-1956185	\$10.29	TS-1961185	\$60.86
190 mm	TS-1940190	\$7.27	TS-1950190	\$10.01	TS-1956190	\$10.53	TS-1961190	\$62.55
200 mm	TS-1940200	\$7.46	TS-1950200	\$10.36	TS-1956200	\$10.97	TS-1961200	\$65.57
210 mm	TS-1940210	\$7.71	TS-1950210	\$10.74	TS-1956210	\$11.35	TS-1961210	\$68.60
220 mm	TS-1940220	\$7.89	TS-1950220	\$11.12	TS-1956220	\$11.72	TS-1961220	\$71.62
230 mm	TS-1940230	\$8.14	TS-1950230	\$11.48	TS-1956230	\$12.17	TS-1961230	\$74.99
240 mm	TS-1940240	\$8.33	TS-1950240	\$11.86	TS-1956240	\$12.54	TS-1961240	\$78.01
250 mm	TS-1940250	\$8.57	TS-1950250	\$12.23	TS-1956250	\$12.98	TS-1961250	\$81.04
260 mm	TS-1940260	\$8.76	TS-1950260	\$12.61	TS-1956260	\$13.36	TS-1961260	\$84.06
265 mm	TS-1940265	\$8.83	TS-1950265	\$12.84	TS-1956265	\$13.57	TS-1961265	\$85.75
270 mm	TS-1940270	\$9.00	TS-1950270	\$12.98	TS-1956270	\$13.73	TS-1961270	\$87.09
280 mm	TS-1940280	\$9.16	TS-1950280	\$13.36	TS-1956280	\$14.18	TS-1961280	\$90.12
290 mm	TS-1940290	\$9.35	TS-1950290	\$13.73	TS-1956290	\$14.55	TS-1961290	\$93.15
300 mm	TS-1940300	\$9.59	TS-1950300	\$14.11	TS-1956300	\$15.01	TS-1961300	\$96.51
305 mm	TS-1940305	\$9.69	TS-1950305	\$14.32	TS-1956305	\$15.14	TS-1961305	\$98.19
310 mm	TS-1940310	\$9.78	TS-1950310	\$14.48	TS-1956310	\$15.37	TS-1961310	\$99.54
315 mm	TS-1940315	\$9.94	TS-1950315	\$14.66	TS-1956315	\$15.60	TS-1961315	\$100.87
320 mm	TS-1940320	\$10.02	TS-1950320	\$14.85	TS-1956320	\$15.75	TS-1961320	\$102.56
330 mm	TS-1940330	\$10.20	TS-1950330	\$15.23	TS-1956330	\$16.19	TS-1961330	\$105.59
340 mm	TS-1940340	\$10.44	TS-1950340	\$15.60	TS-1956340	\$16.56	TS-1961340	\$108.61
350 mm	TS-1940350	\$10.63	TS-1950350	\$15.96	TS-1956350	\$16.94	TS-1961350	\$111.64
360 mm	TS-1940360	\$10.87	TS-1950360	\$16.33	TS-1956360	\$17.38	TS-1961360	\$115.00
370 mm	TS-1940370	\$11.06	TS-1950370	\$16.71	TS-1956370	\$17.76	TS-1961370	\$118.03
380 mm	TS-1940380	\$11.22	TS-1950380	\$17.07	TS-1956380	\$18.20	TS-1961380	\$121.05
390 mm	TS-1940390	\$11.49	TS-1950390	\$17.45	TS-1956390	\$18.57	TS-1961390	\$124.08
400 mm	TS-1940400	\$11.65	TS-1950400	\$17.82	TS-1956400	\$18.95	TS-1961400	\$127.11
410 mm	TS-1940410	\$11.89	TS-1950410	\$18.20	TS-1956410	\$19.39	TS-1961410	\$130.14
420 mm	TS-1940420	\$12.08	TS-1950420	\$18.57	TS-1956420	\$19.77	TS-1961420	\$133.49
430 mm	TS-1940430	\$12.33	TS-1950430	\$18.95	TS-1956430	\$20.21	TS-1961430	\$136.52
440 mm	TS-1940440	\$12.52	TS-1950440	\$19.33	TS-1956440	\$20.59	TS-1961440	\$139.55
450 mm	TS-1940450	\$12.76	TS-1950450	\$19.69	TS-1956450	\$20.96	TS-1961450	\$142.57
460 mm	TS-1940460	\$12.95	TS-1950460	\$20.07	TS-1956460	\$21.40	TS-1961460	\$145.60
470 mm	TS-1940470	\$13.11	TS-1950470	\$20.44	TS-1956470	\$21.78	TS-1961470	\$148.62
480 mm	TS-1940480	\$13.37	TS-1950480	\$20.82	TS-1956480	\$22.22	TS-1961480	\$151.99
490 mm	TS-1940490	\$13.54	TS-1950490	\$21.26	TS-1956490	\$22.60	TS-1961490	\$155.01
500 mm	TS-1940500	\$13.80	TS-1950500	\$21.64	TS-1956500	\$22.97	TS-1961500	\$158.04
510 mm	TS-1940510	\$13.97	TS-1950510	\$22.01	TS-1956510	\$23.62	TS-1961510	\$161.06
520 mm	TS-1940520	\$14.20	TS-1950520	\$22.39	TS-1956520	\$23.86	TS-1961520	\$164.09
530 mm	TS-1940530	\$14.39	TS-1950530	\$22.74	TS-1956530	\$24.33	TS-1961530	\$167.12
540 mm	TS-1940540	\$14.63	TS-1950540	\$23.12	TS-1956540	N/A	TS-1961540	\$170.15
550 mm	TS-1940550	\$14.82	TS-1950550	\$23.62	TS-1956550	N/A	TS-1961550	\$173.51
560 mm	TS-1940560	\$14.98	TS-1950560	\$23.86	TS-1956560	N/A	TS-1961560	\$176.54
570 mm	TS-1940570	\$15.25	TS-1950570	\$24.33	TS-1956570	N/A	TS-1961570	\$179.56
580 mm	TS-1940580	\$15.41	TS-1950580	\$24.80	TS-1956580	\$26.43	TS-1961580	\$182.59
590 mm	TS-1940590	\$15.68	TS-1950590	\$25.03	TS-1956590	\$26.66	TS-1961590	\$185.61
600 mm	TS-1940600	\$15.84	TS-1950600	\$25.49	TS-1956600	\$27.14	TS-1961600	\$188.64
610 mm	TS-1940610	\$16.12	TS-1950610	\$25.73	TS-1956610	\$27.60	TS-1961610	\$192.00
620 mm	TS-1940620	\$16.27	TS-1950620	\$26.20	TS-1956620	\$27.83	TS-1961620	\$195.03
625 mm	TS-1940625	\$16.36	TS-1950625	\$26.43	TS-1956625	\$28.07	TS-1961625	\$196.38
630 mm	TS-1940630	\$16.54	TS-1950630	\$26.66	TS-1956630	\$28.31	TS-1961630	\$198.05
635 mm	TS-1940635	\$16.62	TS-1950635	\$26.78	TS-1956635	\$28.54	TS-1961635	N/A
640 mm	TS-1940640	\$16.71	TS-1950640	\$26.91	TS-1956640	\$28.77	TS-1961640	\$198.05



Priced per knife.

Purchase in pairs.





Replacement Knives for CentroLock™, & Terminus™ Style Heads

Love the quick change planer/moulder knife heads but hate the expensive replacement planer blades? We are here to help. We offer an alternate high precision, low cost supply of knives for Weinig/Leitz, Centro-lock™ and Terminus™ style cutter heads. No volume buy-in's (like the other guys) to reach a price level, just a great price on any quantity.



See Page 22 for Heads

Offered in both **T1-HSS** and **Micro-Grain C3 Carbide** knives for 10 times the life. Precision knives made by Titan Knife Works. Exact fitting and smoother surface finishes.



CentroLock™ Style Knives				
16mm Wide x 3mm Thick				
Length	T1-HSS		Carbide	
	Part #	Price	Part #	Price
60mm	CL-60T	\$4.15	CL-60C3	\$23.24
90mm	-	-	CL-90C3	\$28.98
100mm	CL-100T	\$7.75	CL-100C3	\$32.20
120mm	-	-	CL-120C3	\$38.40
130mm	CL-130T	\$8.10	CL-130C3	\$39.32
150mm	CL-150T	\$9.00	CL-150C3	\$44.84
180mm	CL-180T	\$11.50	CL-180C3	\$53.20
190mm	CL-190T	\$12.00	CL-190C3	\$56.16
230mm	CL-230T	\$14.07	CL-230C3	\$67.16
240mm	CL-240T	\$15.00	CL-240C3	\$69.96
270mm	CL-270T	\$17.10	CL-270C3	\$78.16
300mm	CL-300T	\$19.00	CL-300C3	\$86.84
460mm	-	-	CL-460C3	\$133.15
464mm	CL-464T	\$31.00	-	-
480mm	-	-	CL-480C3	\$139.00
635mm	CL-635T	\$42.00	-	-
700mm	CL-700T	\$46.00	-	-

Terminus™ Style Knives				
14mm Wide x 2.55mm Thick				
Length	T1-HSS		Carbide	
	Part #	Price	Part #	Price
50mm	TK-50T	\$4.56	TK-50C3	\$16.64
60mm	TK-60T	\$6.08	TK-60C3	\$19.92
70mm	-	-	TK-70C3	\$22.40
80mm	TK-80T	\$7.92	TK-80C3	\$25.92
90mm	TK-90T	\$8.57	-	-
100mm	TK-100T	\$9.52	TK-100C3	\$32.32
120mm	TK-120T	\$10.00	TK-120C3	\$38.80
130mm	TK-130T	\$10.88	TK-130C3	\$41.52
140mm	TK-140T	\$11.72	-	-
150mm	TK-150T	\$12.32	TK-150C3	\$47.84
160mm	TK-160T	\$13.30	-	-
180mm	TK-180T	\$14.96	TK-180C3	\$57.44
200mm	TK-200T	\$17.00	TK-200C3	\$63.58
220mm	TK-220T	\$18.88	-	-
230mm	TK-230T	\$18.88	TK-230C3	\$73.12
240mm	TK-240T	\$19.68	TK-240C3	\$76.56
250mm	TK-250T	\$20.50	-	-
270mm	TK-270T	\$22.14	TK-270C3	\$86.13
280mm	TK-280T	\$25.00	-	-
300mm	TK-300T	\$24.60	TK-300C3	\$95.70
340mm	-	-	TK-340C3	\$105.55
420mm	TK-420T1	\$34.48	-	-
460mm	TK-460T1	\$37.76	TK-460C3	\$146.00
464mm	TK-464T1	\$37.90	-	-
514mm	TK-514T1	\$39.50	-	-
520mm	TK-520T1	\$39.50	-	-
540mm	-	-	TK-540C3	\$165.00
616mm	TK-616T	\$50.51	-	-
635mm	TK-635T	\$52.13	-	-
640mm	TK-640T	\$52.13	-	-
700mm	TK-700T	\$57.40	-	-

Great Lakes / Weinig Combo Knife		
Solid Carbide - 8mm Wide x 1.5mm Thick		
Length	Part #	Price
230mm	TK-P1598A-230	\$57.00

Call for other sizes.

High Production Planer Blades



We stock a wide selection of precision made planer knives cut & packed in balanced sets. Our knives are salt bath heat treated for true consistent hardness and horizontal ground to a fine finish to provide a smoother wood surface. Standard 5/32" x 2" wide grades and stock lengths are shown below, call for additional grades and sizes like; Flash Chrome coated*, Black Nitride treated, and carbide tipped knives.

Top & Bottom Smooth Back Knives 5/32" Thick x 2" Wide

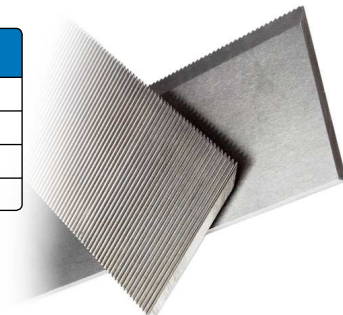
Length	D2		M2	
	Part #	Price	Part #	Price
3"			SBM1523	\$4.66
4.25"	SBD1524.25	\$3.99	SBM1524.25	\$5.50
4.5"	SBD1524.5	\$4.23	SBM1524.5	\$5.83
5"	SBD15205	\$4.70	SBM1525	\$6.48
5.125"			SBM1525.125	\$6.64
6"	SBD15206	\$5.64	SBM1526	\$7.70
6.125"	SBD15206.125	\$5.76		
6.5"	SBD15206.5	\$6.11	SBM1526.5	\$8.34
6.75"	SBD15206.75	\$6.35		
7"	SBD1527	\$6.58	SBM1527	\$10.88
7.125"	SBD1527.125	\$6.69	SBM1527.13	\$9.23
7.5"	SBD1527.5	\$7.05	SBM1527.5	\$9.63
8"	SBD15208	\$7.52	SBM1528	\$10.36
8.5"	SBD1528.5	\$7.99	SBM1528.5	\$11.02
9"	SBD15209	\$8.46	SBM1529	\$11.66
10"	SBD15210	\$9.40	SBM15210	\$12.95
10.5"	SBD152010.5	\$9.87		
11"	SBD15211	\$10.34	SBM15211	\$14.25
12"	SBD15212	\$11.28	SBM15212	\$15.54
13"	SBD15213	\$12.22	SBM15213	\$16.84
13.25"			SBM15213.25	\$17.16
14"	SBD15214	\$13.16	SBM15214	\$18.13
15"	SBD15215	\$14.10	SBM15215	\$19.43
16"	SBD15216	\$15.04	SBM15216	\$20.73
20"	SBD15200-20	\$18.75	SBM1520020	\$25.91
25"	SBD15200-25	\$23.50	SBM1520025	\$32.38
31"	SBD15200HT	\$29.06	SBM15200HT	\$40.16



- Balanced in Pairs
- 30 Degree Bevel Edge
- Horizontal Finish Ground
- D2-HCHC (58 HRC Hardness)
- M2-HSS (62 HRC)

Combing Knives 16-90 Degree (Rougher Knives)

SBM15200-20-Comb	5/32" x 2" x 20" HSS Combing Steel Knife	\$71.25
SBM15215-Comb	5/32" x 2" x 15" HSS Combing Steel Knife	\$51.38
SBM15213-Comb	5/32" x 2" x 13" HSS Combing Steel Knife	\$45.53
SCM31175-R	5/16" x 1-3/4" x 12" M2 Corg. Back Comb	\$62.35



Flash Chrome D2 Planer Knives

SBD15200-FC	5/32" x 2" x 31" D2-Flash Chromed	\$57.11
SBD1520015-FC	5/32" x 2" x 15" D2-Chromed	\$28.47

- .001" Thick Flash Chrome (72 HRC)
- Doubles Tool Life
- Great for Wet Woods

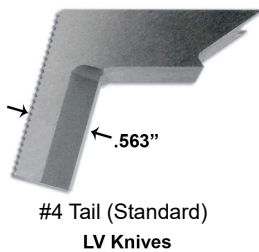




L & LV Side Head Eased Edge Knives - Standard

Quick delivery at a lower price.

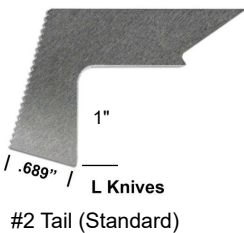
We offer the highest quality L and LV eased edge side head planer knives at the lowest price. Made from high grade high Tungsten steel and salt bath heat treated for consistent hardness. All knife cutting surfaces are precisely ground to produce a smoother finish. After heat treating we finish grind the top, face, and eased edge radius sections of the knife for more accurate cutting than milled knives. Also, our knives are easier to setup and axial align in the cutter heads because both side edges are precision flush ground. Give us an opportunity on your next order; you won't be disappointed. **RW Coating now offered for extended life. Call for details.**



Knives are balanced in sets at no extra charge. Quantity discounts offered.

LV Side Head Eased Edge Knives - Standard					
LV Knives	Stock Thickness	Knife	1/8" Radius	3/16" Radius	1/4" Radius
Double Prong	1"	2" Left			LVD250L \$29.00
	1"	2" Right			LVD250R \$29.00
	1"	2" Thin Tail Left			LVD250L-TT \$29.00
	1"	2" Thin Tail Right			LVD250R-TT \$29.00
	1-1/2"	2"	LVD125 \$29.00	LVD188 \$29.00	LVD250 \$29.00
	1-1/2"	2" Thin Tail	LVD125TT \$29.00	LVD188TT \$29.00	LVD250TT \$29.00
	1-9/16"	2"	LVD125-1.562 \$29.00	LVD188-1.562 \$29.00	LVD250-1.562 \$29.00
	3-1/2"	4"		LVD188-4 \$72.50	LVD250-4 \$72.50
Single Prong	3-9/16"	4"		LVD188-3.562 \$72.50	
	2" +	2" Left	LVS125L \$29.00	LVS188L \$29.00	LVS250L \$29.00
	2" +	2" Right	LVS125R \$29.00	LVS188R \$29.00	LVS250R \$29.00
	2" +	2" Thin Tail Left			LVS250TT-L \$29.00
	2" +	2" Thin Tail Right			LVS250TT-R \$29.00
	3-1/2"	4" Left	LVS125L-4 \$72.50	LVS188L-4 \$72.50	
	3-1/2"	4" Right	LVS125R-4 \$72.50	LVS188R-4 \$72.50	

L Side Head Eased Edge Knives - Standard					
L Knives	Stock Thickness	Knife	1/8" Radius	3/16" Radius	1/4" Radius
Double Prong	1"	2"			LD250-1 \$29.95
	1-1/2"	2"	LD125 \$29.00	LD188 \$29.00	LD250-2 \$29.00
Single Prong	2" +	2" Left	LS125L \$29.00	LS188L \$29.00	
	2" +	2" Right	LS125R \$29.00	LS188R \$29.00	
	3-1/2"	4" Left		LS188-4L \$72.50	
	3-1/2"	4" Right		LS188-4R \$72.50	



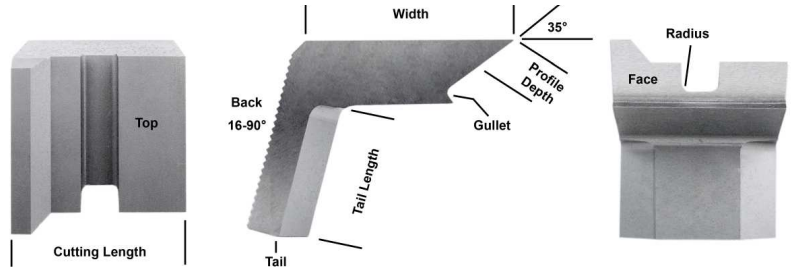
L & LV Jointer Knives			
Tail	Cut Length	Part #	Price
L	2"	LJ-2	\$32.00
LV	2"	LVJ-2	\$32.00
LV Thin Tail	2"	LVJ-2TT	\$32.00



Custom Eased Edge & Pattern Knives

We offer custom made L or LV Tail style knives (bits) to produce any pattern with a cutting edge up to 6" long. Custom knives can be made to replace an old worn out knife or to match a wood sample or profile drawing. They are precision made to order from long wearing 12% Chromium grade D2-HCHC and hardened to 59 Rockwell C and can be produced normally within 3 weeks of drawing approval. L or LV style knives can be easily face sharpened many times without losing the profile shape and they offer a stronger and more affordable cost than flat profile ground knives. Our knives are precision ground or wire EDM profiled to fine finish to provide consistent profile, a smoother finish over plain milled cutters, and are precision ground on each flat end to allow for precise elevation setting to ensure all knives in the head match. The prices are calculated from the cutting edge length (L or LV Tail are the same price). Custom eased edge or profile knives are the same price. Call for price quotes on profiles over 1" deep and for special quantity discounts. We can produce taper milled knives to avoid resetting the knives after sharpening, or staggered milled profiles if you prefer. Staggered milled knives also available. A surcharge may apply.

*** Call for Quantity Discounts**



Custom L, LV, H & Vice Grip Knives

Type of Knife	Knife Cut Length	Price
 <p>Non-Stock Eased Edge L or LV Radius Knives (Eased Edge Radius Single or Double Prong)</p>	1" to 1.75"	\$32.96
	2"	\$35.93
	2.25"	\$41.48
	3"	\$54.81
	4"	\$70.00
	5"	\$88.15
	6"	\$113.33
8"	Call	
 <p>Custom Pattern L or LV Knives (Tongue & Groove & Complex Profiles that require EDM cutting)</p>	1" to 1.75"	\$40.37
	2"	\$47.04
	2.25"	\$48.89
	3"	\$64.07
	4"	\$73.70
	5"	\$107.41
6"	\$128.15	
 <p>H-Style Knives</p>	1" to 1.75"	\$54.22
	2"	\$58.07
	2.25"	\$61.93
 <p>Vice Grip Style Knives</p>	1" to 1.75"	\$40.00
	2"	\$42.96
	2.25"	\$50.37
	3"	\$66.67
4"	\$87.41	

Allow 3 to 4 weeks for delivery.

Non-Stock Eased Edge



EDM Cut Patterns

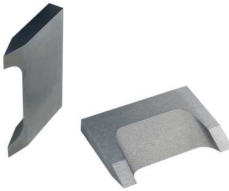


H Type Knives

(Dove Tail Clamp) The corrugated base allows for precise and quick setting.

Vice Grip Style

For Yates Cutter Heads
The knives align themselves automatically by tightening down the upper disk of the cutterhead.

 <p>Flat Eased Edge Style Knives</p>	Part #	Size	Radius	Lumber
	FE-2000	2" x 1-7/16" x 1/4"	1/4"	1-1/2"
	FE-4000	2" x 1-1/2" x 1/4"	1/8"	1-9/16"
	FE-1000	2" x 1-1/2" x 1/4"	1/8"	1-1/2"
	FE-52000	2" x 1-1/2" x 1/4"	1/16"	1-1/4"

Flat Eased Edge

For Gilbert Tech Planer Heads.
Call for pricing. Allow 4 to 5 weeks for delivery.

Williams & Hussey Moulder Knives & Heads



Williams & Hussey Moulder Knives - 25" Lengths

25" Length		HSS Add 'B' for Bevel		Black Nitride	HSS Corg 16-60°		
Thick	Width	Part #	Price	Part #	Price	Part #	Price
1/4"	1-3/4"	SWHV-25175	\$69.20	SWH-25175BN	\$83.54		\$90.00
	2"	SWHV-25200	\$77.75	SWH-25200BN	\$89.29	SWHV-25200C	\$98.00
	2-1/4"	SWHV-25225	\$86.31	SWH-25225BN	\$101.79	SWHV-25225C	\$109.00
	2-1/2"	SWHV-25250	\$93.58	SWH-25250BN	\$111.90	SWHV-25250C	\$118.00
5/16"	2-3/4"	SWH-31275 (SQ)	\$156.39				

* Call for M2 3/16" Thickness.

Symbol Key		
Square Edge	Bevel Edge	Corg. Back

Carbide Tipped

1/4" x 2-1/2" x 14"

Part # Price

SWH-25250-14-TCT \$168.00

30mm (1-3/16") Deep Tip

* Corrugated back knives allow you to use your profiled Williams & Hussey knives in your shaper or moulder heads. Must have knife pockets at least 1-1/8" deep, to conceal holes, when using corrugated back knives.

Our customers tell us we offer the finest W&H moulder steel available. Accurate bolt hole locations that are CNC machined and 100% inspected to ensure perfect knife clamping. Fine horizontal surface finish allows for smoother cuts. Knives fit both Shop Fox and Williams & Hussey mini-moulders. V2-HSS used for long production in hardwoods and D2-HCHC softer steel grade for short runs and softwoods. BN great for long runs and stubborn hardwoods. Call for prices on profile ground knives to your exact pattern. 2-3/4" width may exceed capacity on some W.H. moulders.



We now offer a line of cutter heads that allow you to use your existing Williams & Hussey knives on your shaper or larger high speed moulder - no need to order two sets of knives for each. Use all your existing W&H knives in these heads to match the exact profiles without having to order more corrugated back knives. Heads accept knives up to 1/4" thickness, 6000 rpm max. Heads include 3/8" bolts - placed on 1.0" centers.

2-Knife Moulder Heads for Williams & Hussey Knives:



2-Knife Moulder Heads for Williams & Hussey Knives

Body Diameter	Bore Size	Cutting Length	Part #	Price
100mm	1-1/4"	4"	MHW100-100	\$234.02
		6"	MHW100-150	\$348.66
122mm	1-1/2"	4"	MHW122-100-1.5	\$248.20
		6"	MHW122-150-1.5	\$360.47
122mm	40mm	4"	MHW122-100	\$248.20
		6"	MHW122-150	\$360.47
137mm	1-13/16"	4"	MHW137-100	\$301.39
		6"	MHW137-150	\$434.94

Superhelic™ Moulder Heads & Knives



Head Prices Include
Set of HSS Knives

SuperHelic Straight Bore Heads

20° Cutting Angle / 18° Helical Angle / Right Hand Helix

Cut Length	OD	# of knives	Part #	Price
60mm	125mm	2	MSH125-2-60	\$194.89
100mm	125mm	2	MSH125-2-100	\$285.31
130mm	125mm	2	MSH125-2-130	\$366.74
150mm	125mm	2	MSH125-2-150	\$421.41
180mm	125mm	2	MSH125-2-180	\$495.59
230mm	125mm	2	MSH125-2-230	\$641.91
240mm	125mm	2	MSH125-2-240	\$652.32
310mm	125mm	2	MSH125-2-310	-
60mm	125mm	4	MSH125-4-60	\$234.05
100mm	125mm	4	MSH125-4-100	\$348.04
130mm	125mm	4	MSH125-4-130	\$447.96
150mm	125mm	4	MSH125-4-150	\$515.00
180mm	125mm	4	MSH125-4-180	\$607.18
230mm	125mm	4	MSH125-4-230	\$784.62
240mm	125mm	4	MSH125-4-240	\$799.74
310mm	125mm	4	MSH125-4-310	-

Made to Order- Delivery about 4 to 5 weeks.
Specify Bore When Ordering:
1-1/4", 40mm, 1-1/2", 1-13/16", 2-1/8", 50mm

SuperHelic Hydro Bore Heads

20° Cutting Angle / 20° Helical Angle / Right Hand Helix

Cut Length	OD	# of knives	Part #	Price
60mm	160mm	4	MSH160-4-60HL	\$473.16
100mm	160mm	4	MSH160-4-100HL	\$646.88
130mm	160mm	4	MSH160-4-130HL	\$776.67
150mm	160mm	4	MSH160-4-150HL	\$863.62
180mm	160mm	4	MSH160-4-180HL	\$993.49
230mm	160mm	4	MSH160-4-230HL	\$1,208.44
240mm	160mm	4	MSH160-4-240HL	\$1,250.94
310mm	160mm	4	MSH160-4-310HL	\$1,614.31
60mm	160mm	6	MSH160-6-60HL	\$511.97
100mm	160mm	6	MSH160-6-100HL	\$709.79
130mm	160mm	6	MSH160-6-130HL	\$864.30
150mm	160mm	6	MSH160-6-150HL	\$956.68
180mm	160mm	6	MSH160-6-180HL	\$1,104.19
230mm	160mm	6	MSH160-6-230HL	\$1,351.87
240mm	160mm	6	MSH160-6-240HL	\$1,398.37
310mm	160mm	6	MSH160-6-310HL	\$1,804.00

Made to Order- Delivery about 4 to 5 weeks.
Specify Bore When Ordering:
40mm, 1-1/2", 1-13/16", 2-1/8", 50mm

*Patent Pending



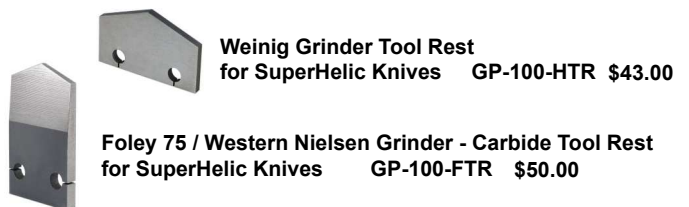
Spare SuperHelic HSS & Carbide Knives

Cut Length	Head OD	HSS Part #	HSS Price	Carbide Part #	Carbide Price
60mm	125mm	HK125-60-H	\$12.29	HK125-60	\$39.11
	160mm	HK160-60-H		HK160-60	
100mm	125mm	HK125-100-H	\$20.43	HK125-100	\$65.42
	160mm	HK160-100-H		HK160-100	
130mm	125mm	HK125-130-H	\$26.57	HK125-130	\$84.98
	160mm	HK160-130-H		HK160-130	
150mm	125mm	HK125-150-H	\$30.71	HK125-150	\$97.96
	160mm	HK160-150-H		HK160-150	
180mm	125mm	HK125-180-H	\$36.86	HK125-180	\$117.51
	160mm	HK160-180-H		HK160-180	
230mm	125mm	HK125-230-H	\$47.00	HK125-230	\$150.40
	160mm	HK160-230-H		HK160-230	
240mm	125mm	HK125-240-H	\$49.00	HK125-240	\$156.62
	160mm	HK160-240-H		HK160-240	
310mm	125mm	HK125-310-H	\$63.29	HK125-310	\$202.67
	160mm	HK160-310-H		HK160-310	



- Smoothest Finish
- Long Tool Life
- Easy To Use
- Easy To Sharpen
- Reduced Noise

The Helical cutting action is the ultimate way to surface wood and will eliminate fuzzy and chipped out grain defects even in cross grain. The Helix is a continuous compound shear cutting action that slices the wood off with low tool pressure. Our Super Helic heads use a simple one screw set gib design that wedges the corrugated HSS or Carbide knives tightly using centrifugal force. All heads are currently right hand helix. New heads include a set of knives that are factory sharpened in the head for closer cutting concentricity. Knives can be re-sharpened many times.



Weinig Grinder Tool Rest for SuperHelic Knives GP-100-HTR \$43.00

Foley 75 / Western Nielsen Grinder - Carbide Tool Rest for SuperHelic Knives GP-100-FTR \$50.00

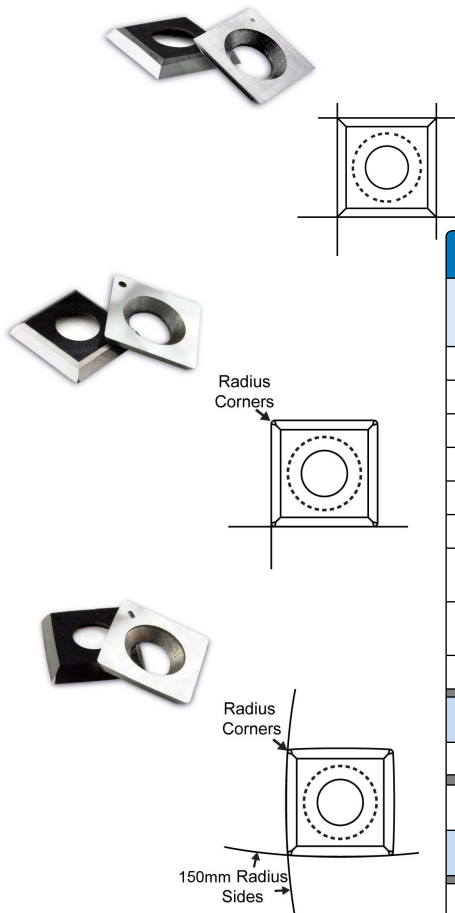


Carbide Insert Knives (ICK)



We offer several dozen sizes of carbide insert knives for disposable knife insert cutterheads. Only a few sizes are shown below. Contact us for additional sizes not listed. Several grades of carbide also offered - C3 standard. Polished to a mirror finish for smoother cutting and longer tool life.

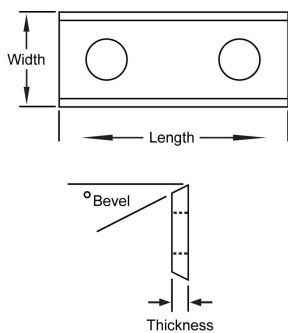
10% Discount On
500+ Pc Orders!



Square Carbide Insert Knives (ICK)

Insert Size				Price Each		Cutting Edges
Length	Width	Thick	Part #	(10 per box)	Bevel	
12mm	12mm	1.5mm	IC-1512124	\$1.56	35°	4 Edges (Square Corners)
13mm	13mm	2.5mm	IC-2513134	\$2.81	35°	
14mm	14mm	2.0mm	IC-2014144	\$1.73	30°	
14.3mm	14.3mm	2.5mm	IC-25143143	\$2.81	35°	
14.6mm	14.6mm	2.5mm	IC-25146146	\$2.61	30°	
15mm	15mm	2.5mm	IC-2515154-4	\$2.61	30°	
15mm	15mm	2.5mm	IC-2515154-4100	\$2.61	30°	100mm (4") Radius Faces *Fits Byrd
17mm	17mm	2.0mm	IC-2017174 (3mm Hole)	\$4.89	35°	4 Edges (Square Corners)
19mm	19mm	2.0mm	IC-2019194	\$4.67	35°	
14mm	14mm	2.0mm	IC-2014144-RC	\$1.73	30°	4 Edges (Rounded Corners)
14.6mm	14.6mm	2.5mm	IC-25146146-RC	\$2.61		
14.6mm	14.6mm	2.5mm	IC-25146146-8R	\$3.14	30°	4 Edges (8 Radius = 4R Faces & 4R Corners)
15mm	15mm	2.5mm	IC-2515154-8R	\$2.61		
14.3mm	14.3mm	2.0mm	IC-2014142-SM	\$2.20	40°	2 Edges *Fits Steel City / ShinMax™ Heads

Rectangular Carbide Insert Knives (ICK)

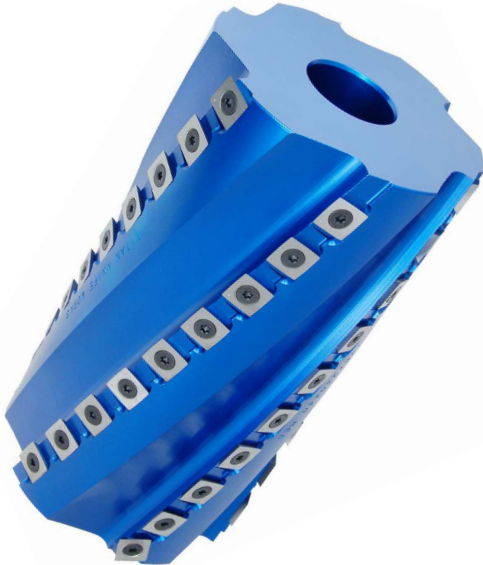


Insert Size				Price Each		Cutting Edges
Length	Width	Thick	Part #	(10 per box)	Holes	
7.5mm	12mm	1.5mm	IC-15127.5	\$1.26	1	35° 2 Edges
9.6mm	12mm	1.5mm	IC-15129.6	\$1.39		
15mm	12mm	1.5mm	IC-151215	\$1.94		
18mm	12mm	1.5mm	IC-151218	\$2.37		
20mm	12mm	1.5mm	IC-151220	\$1.94		
25mm	12mm	1.5mm	IC-151225-1	\$2.76		
25mm	12mm	1.5mm	IC-151225-2	\$2.76	2	35° 2 Edges
30mm	12mm	1.5mm	IC-151230	\$2.37		
30mm	12mm	2.5mm	IC-251230	\$3.56		
30mm	12mm	2.5mm	IC-251230-BC	\$3.75	2	35° 2 Edges, 5° Bevel Corners
40mm	12mm	1.5mm	IC-151240	\$3.22	2	35° 2 Edges
50mm	12mm	1.5mm	IC-151250	\$3.59		
60mm	12mm	1.5mm	IC-151260	\$3.98		
80mm	13mm	2.2mm	IC-221380	\$15.56		
100mm	13mm	2.2mm	IC-2213100	\$20.97		
120mm	13mm	2.2mm	IC-2213120	\$22.22		
19.5mm	12mm	1.5mm	IC-1512204	\$2.50	1	35° 4 Edges
29.5mm	12mm	1.5mm	IC-1512304	\$3.06	2	
49.5mm	12mm	1.5mm	IC-1512504	\$4.59	2	

Spiral Insert Knife Surfacing Heads - No Sharpening Required

Quiet Cutting: Looking for a better option on surfacing heads? Spiral knife insert heads make constant contact with the material offering reduced cutting noise - typically 20 decibels less. Each long wearing carbide knife has four edges that can be dulled before replacement. These heads improve material finishes on cross grain, lower long term tooling cost, and eliminate sharpening costs. Our spiral heads offer special radius edge inserts to reduce any chance of knife corners marking your material. Made from 7071-T6 high strength aircraft aluminum. Heads include a set of carbide knives ready to run and a torx wrench for turning and replacing the knives. Heads use 15 x 15 x 2.5 inserts.

Head prices include set of knives. Most heads in stock for immediate delivery.



Spiral Insert Knife Surfacing Heads - 6 Row

Cutting Length	Rows of Knives	Body Diameter	Standard Bore	Part #	Price
2" (50mm)	6	100mm	1.25"	MS10042 *	\$290.00
4" (100mm)	6	100mm	1.25"	MS10044 *	\$368.00
6" (150mm)	6	100mm	1.25"	MS10046 *	\$449.00
2" (50mm)	6	125mm	40mm	MS12562	\$335.00
4" (100mm)	6	125mm	40mm	MS12564	\$463.00
6" (150mm)	6	125mm	40mm	MS12566	\$579.00
7" (180mm)	6	125mm	40mm	MS12567	\$675.00
8" (200mm)	6	125mm	40mm	MS12568	\$685.00
9" (230mm)	6	125mm	40mm	MS12569	\$850.00
2" (50mm)	6	125mm	1.5"	MS12562-1.5	\$335.00
4" (100mm)	6	125mm	1.5"	MS12564-1.5	\$463.00
6" (150mm)	6	125mm	1.5"	MS12566-1.5	\$579.00
7" (180mm)	6	125mm	1.5"	MS12567-1.5	\$675.00
9" (230mm)	6	125mm	1.5"	MS12569-1.5	\$850.00
9.5" (240mm)	6	125mm	1.5"	MS12569.5-1.5	\$860.00
2" (50mm)	6	140mm	1-13/16"	MS14062	\$350.00
4" (100mm)	6	140mm	1-13/16"	MS14064	\$496.00
6" (150mm)	6	140mm	1-13/16"	MS14066	\$600.00
7" (180mm)	6	140mm	1-13/16"	MS14067	\$725.00
9" (230mm)	6	140mm	1-13/16"	MS14069	\$875.00
9.5" (240mm)	6	140mm	1-13/16"	MS14069.5	\$898.75
Product Description				Part #	Price
T20 Torx Wrench - 8"				MS-T20W	\$6.50 each
Spare Screws - M6-15 (Torque 4ft/lbs = 50inch/lbs)				MS-KS615	\$0.88 each
Spare Knives -15 x 15 x 2.5mm - 8 Radius				IC-2515154-8R	\$2.61 each

* Non-Shear Type

Spiral heads now come with face shear for smoother cutting.



Custom heads also available including hydro bore and self centering spiral heads.

See pg. 20 for insert knife listings.



Journal Head listings available online.



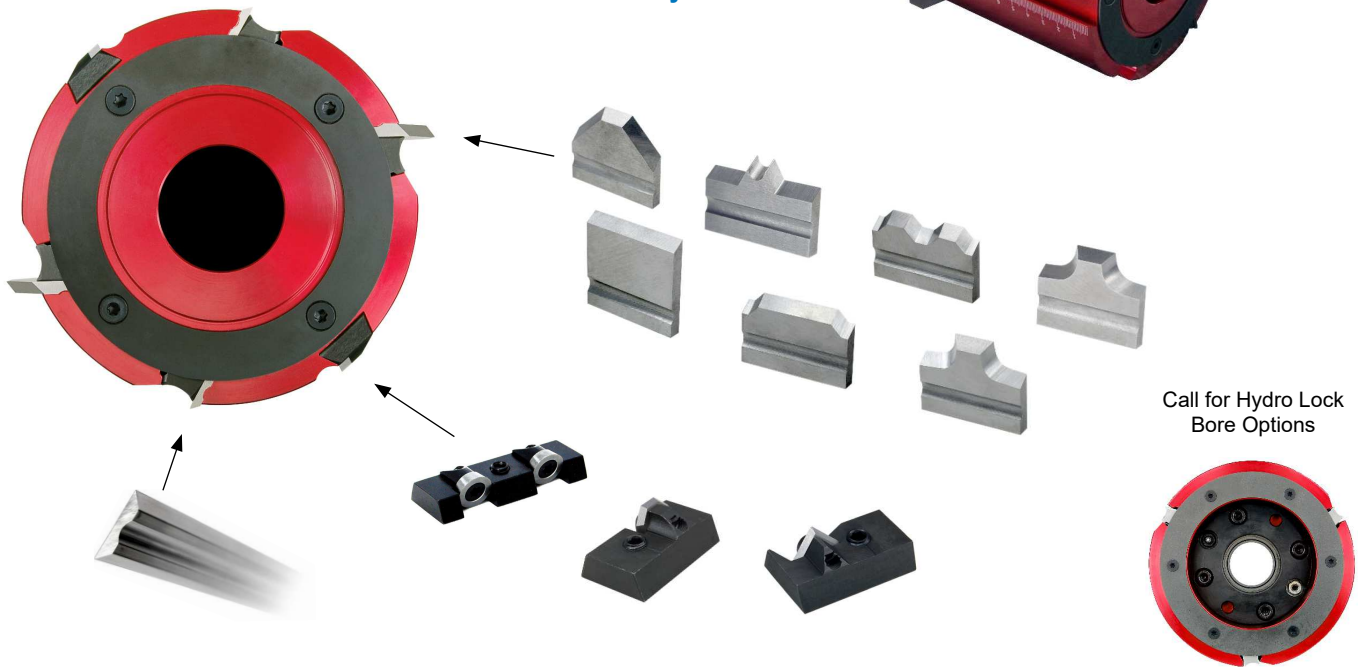
Quick-Lock Insert Surfacing & Profile Moulder Heads

Surface & Profile with the same head.

- Series 3 Heads (2 + 2 + 2)
- 6 Pockets / 3 Pocket Types
- Quick Knife Setup
- No Resharpener Needed
- Long Tool Life Carbide
- Affordable Replacement Knives
- Extraordinary Surface Finish
- Light Weight Aluminum Alloy



In Stock for Immediate Delivery



The ultimate system for efficiency and versatility. Our Quick-Lock heads offer a total of 6-knife pockets; two surfacing knives, two pockets for profile knives, and two additional pockets that accept profile knife holders and low cost inserts for profiles.

Head prices include set of T1-HSS Planer Knives.

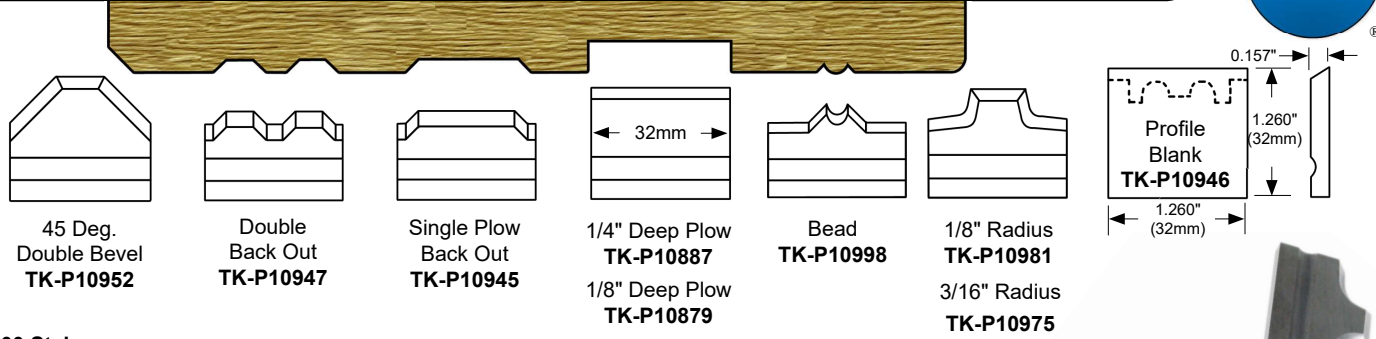


Quick-Lock Series 3 Surface & Profiling Heads					
Cutting Length	Cutting Diameter	Bore Size	Part #	Price	
100mm	125mm	1.50"	QL125-100-9300-1.5	\$386.00	
150mm	125mm	1.50"	QL125-150-9300-1.5	\$548.00	
180mm	125mm	1.50"	QL125-180-9300-1.5	\$598.00	
230mm	125mm	1.50"	QL125-230-9300-1.5	\$765.00	
240mm	125mm	1.50"	QL125-240-9300-1.5	\$798.00	
100mm	125mm	40mm	QL125-100-9300-40	\$386.00	
150mm	125mm	40mm	QL125-150-9300-40	\$548.00	
180mm	125mm	40mm	QL125-180-9300-40	\$598.00	
230mm	125mm	40mm	QL125-230-9300-40	\$765.00	
240mm	125mm	40mm	QL125-240-9300-40	\$798.00	
100mm	140mm	1-13/16"	QL140-100-9300-1.813	\$410.00	
150mm	140mm	1-13/16"	QL140-150-9300-1.813	\$570.00	
180mm	140mm	1-13/16"	QL140-180-9300-1.813	\$660.00	
230mm	140mm	1-13/16"	QL140-230-9300-1.813	\$832.00	
240mm	140mm	1-13/16"	QL140-240-9300-1.813	\$860.00	

Call for custom sizes and different knife pocket configurations.



Quick-Lock Insert Profile & Planer Knives



9100 Style

Quick-Lock Profile Knives (Flat) C3 Carbide

Part #	Description	Price
TK-P10945	Single Plow Back Out (1" Wide x 3/32" Deep)	\$27.95
TK-P10947	Double Back Out (1-1/16" Wide x 3/32" Deep)	\$27.95
TK-P10952	45 Degree Double Bevel	\$27.95
TK-P10879	1/8" Deep Plow (1-1/4" Deep)	\$27.95
TK-P10887	1/4" Deep Plow (1-1/4" Deep)	\$27.95
TK-P10998	Bead (3/8" Wide Overall x 3/16" Wide Bead)	\$27.95
TK-P10981	1/8" Radius	\$27.95
TK-P10975	3/16" Radius	\$27.95
TK-P10997	2mm Radius (0.0787")	\$27.95
TK-P10983	3mm Radius (0.118")	\$27.95
TK-P10992	6mm Radius (0.236")	\$27.95
TK-P10946	Profile Blank 1/2" Max Depth (1-1/4" x 1-1/4")	\$27.95
TK-P10946-B	HSS Profile Blank (150mm Wide x 32mm Deep)	\$27.95
TK-Profile	Profile Blank Grinding Service	\$32.00
TK-PGIB	Gib for Quick-Lock Profile Knives	\$8.00



9200 Style

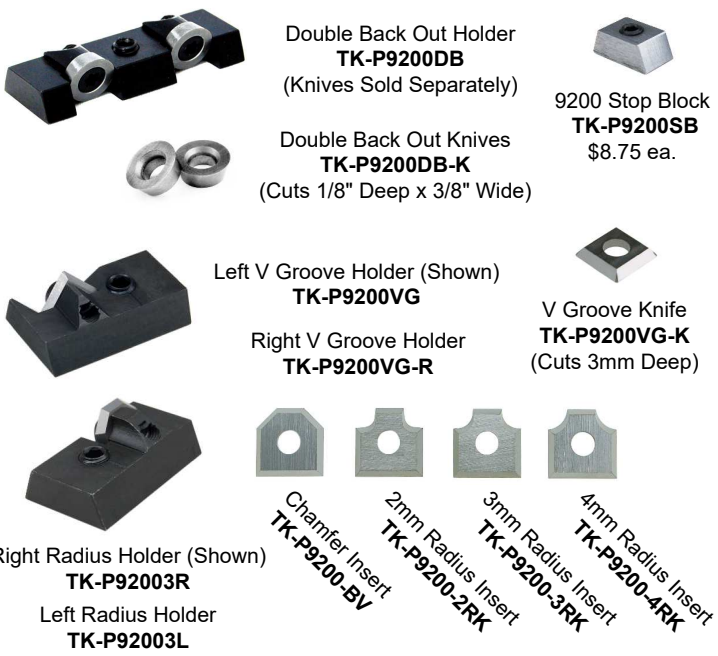
Quick-Lock Profile Knife Inserts & Holders

Part #	Description	Price
TK-P9200DB	Double Back Out Holder - w/o Knives	\$48.00
TK-P9200DB-K	Double Back Out Knife - Carbide	\$9.00
TK-P9200DB-S	Torx Screw	\$1.00
TK-P9200VG	V Groove Holder 9mm - LEFT	\$42.00
TK-P9200VG-R	V Groove Holder 9mm - RIGHT	\$42.00
TK-P9200VG-K	V Groove Knife 9mm x 9mm x 1.5mm	\$6.00
TK-P9200VG-S	V Groove Knife Screw 9mm	\$0.80
TK-P92003L	Radius Holder - LEFT	\$42.00
TK-P92003R	Radius Holder - RIGHT	\$42.00
TK-P9200-2RK	2mm Radius Insert Knife - Carbide	\$25.00
TK-P9200-3RK	3mm Radius Insert Knife - Carbide	\$25.00
TK-P9200-4RK	4mm Radius Insert Knife - Carbide	\$25.00
TK-P9200-BV	Chamfer Insert Knife - Carbide	\$25.00

9000 Style

Quick-Lock Steel & Carbide Planer Knives

Cutting Length	Part #	Price Each (T1-HSS)	Part #	Price Each (Carbide)
50 mm	TK-50T	\$4.56	TK-50C3	\$16.64
60 mm	TK-60T	\$6.08	TK-60C3	\$19.92
80 mm	TK-80T	\$7.92	TK-80C3	\$25.92
100 mm	TK-100T	\$9.52	TK-100C3	\$32.32
120 mm	TK-120T	\$10.00	TK-120C3	\$38.80
130 mm	TK-130T	\$10.88	TK-130C3	\$41.52
150 mm	TK-150T	\$12.32	TK-150C3	\$47.84
180 mm	TK-180T	\$14.96	TK-180C3	\$57.44
200 mm	TK-200T	\$17.00	TK-200C3	\$63.58
230 mm	TK-230T	\$18.88	TK-230C3	\$73.12
240 mm	TK-240T	\$19.68	TK-240C3	\$76.56
250 mm	TK-250T	\$20.50		
270 mm	TK-270T	\$22.14	TK-270C3	\$86.13
300 mm	TK-300T	\$24.60	TK-300C3	\$95.70
420 mm	TK-420T1	\$34.48		
460 mm	TK-460T1	\$37.76	TK-460C3	\$146.00
464 mm	TK-464T1	\$37.90		
520 mm	TK-520T1	\$39.50		
540 mm			TK-540C3	\$165.00
616 mm	TK-616T	\$50.51		
635 mm	TK-635T	\$52.13		
700 mm	TK-700T	\$57.40		





Dual Hook Moulder Heads

IN STOCK

We offer a complete line of dual cutting angle moulder heads for cutting both hard and softwoods with the same tool - like getting two heads for the price of one! This is the best choice for custom millwork producers who need the flexibility to handle any job at a moments notice without having to stock many different cutterheads. Our stock heads are 12 degree cutting angle for hardwood to reduce raised grain, and 20 degree cutting angle to reduce fuzzing in softwoods. Only 2-knives are required

on non-jointed moulders, using 4-knives will not improve the surface finish. We can also supply filler wedges for the empty unused pockets. All heads are precision CNC machined from high strength hardened alloy steel and designed to operate at speeds up to 9,000 rpm. Heads are made to exceed the most stringent European OEM standards allowing you to produce smooth material finish with years of trouble free use. Custom cutter heads can be produced with any cutting angle, body diameter, and bore sizes - call for prices.



Corrugated Filler wedges. See pg. 34.
Cost \$2.75 each per lineal inch

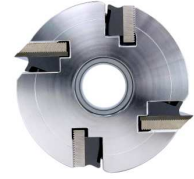
Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver, & other Mid-Sized Moulders:

The S122 line, 4.80" body diameter, is designed for use on most European & Asian imported moulders using industry standard features and metric hardware. Plus we have added features not offered by the German tool makers such as a high alloy strong tool steel body for greater tool life and deeper knife pockets to allow wider and thicker steel to be used for additional resharpenings.

S122: Straight Bore 4.8" / 122mm OD x 40mm or 1.50" Bore

Cut Length	Bore Size	Part #	Price
50mm (1.96")	40mm	MH-122-4-50D	\$129.07
	1.5"	MH-122-4-50D1.5	
60mm (2.36")	40mm	MH-122-4-60D	\$144.63
	1.5"	MH-122-4-60D1.5	
80mm (3.15")	40mm	MH-122-4-80D	\$172.62
	1.5"	MH-122-4-80D1.5	
100mm (3.94")	40mm	MH-122-4-100D	\$205.27
	1.5"	MH-122-4-100D1.5	
130mm (5.12")	40mm	MH-122-4-130D	\$261.26
	1.5"	MH-122-4-130D1.5	
150mm (5.91")	40mm	MH-122-4-150D	\$303.24
	1.5"	MH-122-4-150D1.5	
180mm (7.08")	40mm	MH-122-4-180D	\$354.57
	1.5"	MH-122-4-180D1.5	
230mm (9.05")	40mm	MH-122-4-230D	\$460.33
	1.5"	MH-122-4-230D1.5	

Dual Hook Moulder Heads 4-Knife, 12/20 degree



Shapers, Paulson, XL, & Import Brand Moulders:

The S100 dual hook line has a 4" body diameter with a 1-1/4" bore that is designed for spindle shapers and most smaller non-jointed moulders. These heads offer the flexibility to use corrugated knife steel with high rpm rotation to cut either hard or softwoods with the same head body. Bore bushings can be offered for shapers with 1" diameter spindles.

S100: Straight Bore 4" / 100mm OD x 1.25" Bore

Cut Length	Bore Size	Part #	Price
50mm (1.96")	1.25"	MH-100-4-50D	\$122.85
60mm (2.36")	1.25"	MH-100-4-60D	\$139.97
80mm (3.15")	1.25"	MH-100-4-80D	\$155.52
100mm (3.94")	1.25"	MH-100-4-100D	\$185.06
150mm (5.91")	1.25"	MH-100-4-150D	\$264.38

Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver, & other Mid-Sized Moulders:

This line uses industry standard features and metric hardware, plus we have added a features not offered by the German tool makers like; a high alloy strong tool steel body for greater tool life and deeper knife pockets to allow wider and thicker steel to be used for additional resharpenings. Limited stock on 2-1/8" bore heads.

S137: Straight Bore 5.4" / 137mm OD x 1-13/16" or 2-1/8" Bore

Cut Length	Bore Size	Part #	Price
50mm (1.96")	1-13/16"	MH-137-4-50D	\$153.96
	2-1/8"	MH-137-4-50D2.125	
60mm (2.36")	1-13/16"	MH-137-4-60D	\$174.17
	2-1/8"	MH-137-4-60D2.125	
80mm (3.15")	1-13/16"	MH-137-4-80D	\$200.61
	2-1/8"	MH-137-4-80D2.125	
100mm (3.94")	1-13/16"	MH-137-4-100D	\$245.72
	2-1/8"	MH-137-4-100D2.125	
130mm (5.12")	1-13/16"	MH-137-4-130D	\$303.24
	2-1/8"	MH-137-4-130D2.125	
150mm (5.91")	1-13/16"	MH-137-4-150D	\$346.79
	2-1/8"	MH-137-4-150D2.125	
180mm (7.08")	1-13/16"	MH-137-4-180D	\$409.01
	2-1/8"	MH-137-4-180D2.125	
230mm (9.05")	1-13/16"	MH-137-4-230D	\$527.19
	2-1/8"	MH-137-4-230D2.125	
310mm (12.20")	1-13/16"	MH-137-4-310D	\$699.81
	2-1/8"	MH-137-4-310D2.125	

Straight Bore Moulder Heads



We offer a complete line of straight bore corrugated pocket moulder heads that fit most moulders and shapers. We can make heads to any one of four different hook angles, special bore sizes and add special features. All heads are precision CNC machined from high strength steel & ISO GQ 1.0 balanced to 9,000 rpm. Heads exceed stringent European OEM standards to produce smooth material finishes with years of trouble free use. Choose your cutting angle 10, 12, 15, or 20 degrees or a combination of these in the same cutterhead for cutting both hardwoods and softwoods. Heads are made to order in about 3 weeks.



2-Knife Shaper / Mini-Moulder

Heads hold standard corrugated knives for smaller diameter shapers.



Straight Bore 3" / 76mm OD x 3/4" Bore or 3.5" / 89mm OD x 1" Bore, 15 Deg. Hook

Cut Length	O.D.	Bore Size	# of Knives	Part #	Price
50mm (1.96")	76mm (3")	3/4"	2	MH-76-2-50	\$94.03
80mm (3.15")	76mm (3")	3/4"	2	MH-76-2-80	\$123.51
50mm (1.96")	89mm (3.5")	1"	2	MH-89-2-50	\$101.05
80mm (3.15")	89mm (3.5")	1"	2	MH-89-2-80	\$134.74
100mm (3.94")	89mm (3.5")	1"	2	MH-89-2-100	\$158.60

Shapers, Paulson, XL & Import Brand Moulders:

The S100 MTO line of heads have a 4" body diameter with a 1-1/4" bore. Designed for spindle shapers and most smaller non-jointed moulders with the flexibility to use corrugated knife steel with high rpm rotation. 2-knife versions also offered at a 10% savings. Bore T-bushings available for smaller shapers with 1" diameter spindles.

S100: Straight Bore 4" / 100mm OD x 1.25" Bore (Made to Order)

Cut Length	# of Knives	Bore Size	Part #	Price
50mm (1.96")	4	1.25"	MH100-4-50	\$149.22
60mm (2.36")	4	1.25"	MH100-4-60	\$168.85
80mm (3.15")	4	1.25"	MH100-4-80	\$187.60
100mm (3.94")	4	1.25"	MH100-4-100	\$223.25
150mm (5.91")	4	1.25"	MH100-4-150	\$309.66

Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver & other Mid-Sized Moulders:

The S122 line, 4.80" body diameter, is designed for use on most European & Asian imported moulders. Stock head sizes: 40mm or 1-1/2" spindle bore. These use industry standard features and metric hardware, plus added features not offered by the German tool makers such as a high alloy tool steel body for greater tool life and deeper knife pockets for wider steel to be used for additional resharpenings. Knife pockets accept from 3/16" thick steel up to 10mm thick corg. steel.

S122: Straight Bore 4.8" / 122mm OD x 40mm or 1.50" Bore (Made to Order)

Cut Length	# of Knives	Bore Size	Part #	Price
50mm (1.96")	4	40mm	MH122-4-50	\$155.71
		1.5"	MH122-4-50-1.5	
60mm (2.36")	4	40mm	MH122-4-60	\$174.48
		1.5"	MH122-4-60-1.5	
80mm (3.15")	4	40mm	MH122-4-80	\$197.00
		1.5"	MH122-4-80-1.5	
100mm (3.94")	4	40mm	MH122-4-100	\$228.87
		1.5"	MH122-4-100-1.5	
130mm (5.12")	4	40mm	MH122-4-130	\$290.78
		1.5"	MH122-4-130-1.5	
150mm (5.91")	4	40mm	MH122-4-150	\$335.81
		1.5"	MH122-4-150-1.5	
180mm (7.08")	4	40mm	MH122-4-180	\$384.59
		1.5"	MH122-4-180-1.5	
230mm (9.05")	4	40mm	MH122-4-230	\$469.01
		1.5"	MH122-4-230-1.5	

Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver & other Mid-Sized Moulders:

The S137 line with a 5.40" body diameter is designed for use on European and Asian imported moulders that have larger spindle diameters. Stock head sizes: 1-13/16" or 2-1/8" spindle bore. Heads include industry standard features, heat treated alloy steel for greater strength, and dynamically balanced to 9,000 rpm (ISO grade quality 1.0) for smoother cutting. H7 precision bore tolerance is used to decrease radial run-out and provide the smoothest cut possible with a straight bore head.

S137: Straight Bore 5.5" / 137mm OD x 1-13/16" or 2-1/8" Bore (Made to Order)

Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	1-13/16"	MH137-4-60	\$210.12
		2-1/8"	MH137-4-60-2.125	
100mm (3.94")	4	1-13/16"	MH137-4-100	\$296.41
		2-1/8"	MH137-4-100-2.125	
130mm (5.12")	4	1-13/16"	MH137-4-130	\$335.81
		2-1/8"	MH137-4-130-2.125	
150mm (5.91")	4	1-13/16"	MH137-4-150	\$356.93
		2-1/8"	MH137-4-150-2.125	
180mm (7.08")	4	1-13/16"	MH137-4-180	\$422.12
		2-1/8"	MH137-4-180-2.125	
230mm (9.05")	4	1-13/16"	MH137-4-230	\$542.98
		2-1/8"	MH137-4-230-2.125	
310mm (12.2")	4	1-13/16"	MH137-4-310	\$720.86
		2-1/8"	MH137-4-310-2.125	



Hydro-Locking Bore Moulder Heads: 4 & 6 Knife

We offer an expansive line of hydro-loc moulder heads for high production moulders. You choose the cutting angle; 10, 12, 15, 20 degrees, etc. Made from high strength hardened steel, CNC machined to exact tolerances and balanced to run up to 8000 rpm. These offer finer surface finishes with the durability to withstand years of continuous use on high speed moulders. Heads are available in a variety of sizes and made to order in about 4 weeks. Hydro-Sleeves are made from high yield strength alloy steel to avoid deforming the sleeves over years of use. To avoid damage always use safety lock collars at all times. Do not exceed max. pressure on heads, do not pressurize heads on an undersized spindle, or spindles with keyways. Check pressure daily.



**High Quality
Lower Prices
Quick Delivery**

Weinig, Mattison, Wadkin, Diehl, Leadermac, and other jointed high speed Moulders:

The H150 line is for use on high speed jointed moulders. Offered in 4 or 6 knife pockets for feed speeds up to 300 ft per min. and up to 9000 rpm. Call for additional prices on custom designed heads with shear cutting angles, etc. Standard heads come with your choice of cutting angles and bore size. Heads are made in about 4 weeks to the cutting angle you need.

H150: Hydro Bore 5.9" / 150mm OD x 1-13/16", 2-1/8", or 50mm Bore				
Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	1-13/16"	MH150-4-60HL	\$296.99
		2-1/8"	MH150-4-60HL2.125	
100mm (3.94")	4	1-13/16"	MH150-4-100HL	\$419.00
		2-1/8"	MH150-4-100HL2.125	
130mm (5.12")	4	1-13/16"	MH150-4-130HL	\$494.39
		2-1/8"	MH150-4-130HL2.125	
150mm (5.91")	4	1-13/16"	MH150-4-150HL	\$544.41
		2-1/8"	MH150-4-150HL2.125	
180mm (7.08")	4	1-13/16"	MH150-4-180HL	\$645.86
		2-1/8"	MH150-4-180HL2.125	
230mm (9.05")	4	1-13/16"	MH150-4-230HL	\$813.77
		2-1/8"	MH150-4-230HL2.125	
310mm (12.2")	4	1-13/16"	MH150-4-310HL	\$999.52
		2-1/8"	MH150-4-310HL2.125	
60mm (2.36")	6	1-13/16"	MH150-6-60HL	\$339.72
		2-1/8"	MH150-6-60HL2.125	
100mm (3.94")	6	1-13/16"	MH150-6-100HL	\$454.64
		2-1/8"	MH150-6-100HL2.125	
130mm (5.12")	6	1-13/16"	MH150-6-130HL	\$557.91
		2-1/8"	MH150-6-130HL2.125	
150mm (5.91")	6	1-13/16"	MH150-6-150HL	\$611.13
		2-1/8"	MH150-6-150HL2.125	
180mm (7.08")	6	1-13/16"	MH150-6-180HL	\$731.07
		2-1/8"	MH150-6-180HL2.125	
230mm (9.05")	6	1-13/16"	MH150-6-230HL	\$900.13
		2-1/8"	MH150-6-230HL2.125	
310mm (12.2")	6	1-13/16"	MH150-6-310HL	\$1,118.32
		2-1/8"	MH150-6-310HL2.125	

Weinig, Wadkin, SCMI, Iida, Leadermac, Woodmizer, Silver, & other Mid-Sized Moulders:

For use with smaller moulders that require the 122mm body diameter, up to 9000 rpm, and the added benefit of precision tool centering for smoother cutting on non-jointed machines. Heads include all standard features with build-in hydro-sleeves. Call for custom bore prices.

H122: Hydro Bore 4.8" / 122mm OD x 40mm or 1.50" Bore (Made to Order)				
Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	40mm	MH122-4-60HL	\$252.91
		1.5"	MH122-4-60HL1.5	
100mm (3.94")	4	40mm	MH122-4-100HL	\$364.33
		1.5"	MH122-4-100HL1.5	
150mm (5.91")	4	40mm	MH122-4-150HL	\$467.05
		1.5"	MH122-4-150HL1.5	
180mm (7.08")	4	40mm	MH122-4-180HL	\$562.45
		1.5"	MH122-4-180HL1.5	
230mm (9.05")	4	40mm	MH122-4-230HL	\$703.05
		1.5"	MH122-4-230HL1.5	

Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver, & other Mid-Sized Moulders:

These heads are used on moulders with larger spindles and larger cutting capacities. Heads are precision made to run to 9000 rpm and are dynamic balanced to ISO Grade quality 1.0. Heads are offered with all the industry standard features and metric hardware; knife pockets are designed to accept knife steel from 3/16" thick up to 10mm thick corrugated. Heads are made to order - you choose the cutting angle. Dual hook, or single hook on all 4-pockets for high speed jointed moulders. Jointed knife feed speeds up to 200 ft. per min.

H137: Hydro Bore 5.4" / 137mm OD x 1-13/16" Bore (Made to Order)				
Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	1-13/16"	MH137-4-60HL	\$262.38
100mm (3.94")	4	1-13/16"	MH137-4-100HL	\$368.98
130mm (5.12")	4	1-13/16"	MH137-4-130HL	\$436.35
150mm (5.91")	4	1-13/16"	MH137-4-150HL	\$480.66
180mm (7.08")	4	1-13/16"	MH137-4-180HL	\$575.07
230mm (9.05")	4	1-13/16"	MH137-4-230HL	\$724.87
260mm (10.23")	4	1-13/16"	MH137-4-260HL	\$798.01
310mm (12.2")	4	1-13/16"	MH137-4-310HL	\$923.87

Custom bore sizes are offered, call for details.

Hydro-Locking Bore Moulder Heads 8 & 10 Knife



**High Quality
Lower Prices
Quick Delivery**

H163: Hydro Bore 6.4" / 163mm OD x 1-13/16", 2-1/8", 40mm, or 50mm Bore (Made to Order)

Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	8	1-13/16"	MH163-8-60HL	\$394.36
		2-1/8"	MH163-8-60HL2.125	
100mm (3.94")	8	1-13/16"	MH163-8-100HL	\$541.20
		2-1/8"	MH163-8-100HL2.125	
130mm (5.12")	8	1-13/16"	MH163-8-130HL	\$640.48
		2-1/8"	MH163-8-130HL2.125	
150mm (5.91")	8	1-13/16"	MH163-8-150HL	\$748.16
		2-1/8"	MH163-8-150HL2.125	
180mm (7.08")	8	1-13/16"	MH163-8-180HL	\$853.04
		2-1/8"	MH163-8-180HL2.125	
230mm (9.05")	8	1-13/16"	MH163-8-230HL	\$1,085.19
		2-1/8"	MH163-8-230HL2.125	
260mm (10.23")	8	1-13/16"	MH163-8-260HL	\$1,201.26
		2-1/8"	MH163-8-260HL2.125	
310mm (12.2")	8	1-13/16"	MH163-8-310HL	\$1,394.24
		2-1/8"	MH163-8-310HL2.125	

H195: Hydro Bore 7.6" / 195mm OD x 1-13/16" or 2-1/8", or 50mm Bore (Made to Order)

Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	10	1-13/16"	MH195-10-60HL	\$502.04
		2-1/8"	MH195-10-60HL2.125	
100mm (3.94")	10	1-13/16"	MH195-10-100HL	\$727.19
		2-1/8"	MH195-10-100HL2.125	
130mm (5.12")	10	1-13/16"	MH195-10-130HL	\$892.20
		2-1/8"	MH195-10-130HL2.125	
150mm (5.91")	10	1-13/16"	MH195-10-150HL	\$1,046.03
		2-1/8"	MH195-10-150HL2.125	
180mm (7.08")	10	1-13/16"	MH195-10-180HL	\$1,219.44
		2-1/8"	MH195-10-180HL2.125	
230mm (9.05")	10	1-13/16"	MH195-10-230HL	\$1,508.92
		2-1/8"	MH195-10-230HL2.125	
310mm (12.2")	10	1-13/16"	MH195-10-310HL	\$1,937.35
		2-1/8"	MH195-10-310HL2.125	

We offer an expansive line of hydro-lock moulder heads for high speed production moulders. A standard line of 8 and 10 knife moulder heads. We can produce 12+ knife heads for Waco, Thundermac, and other high speed moulders and planers. Choose your cutting angle; 10, 12, 15, 20 degrees, etc. Heads are made from high strength hardened steel that are CNC machined to exacting tolerances and balanced to run up to 8000 rpm. Our heads have finer surface finishes with the durability to withstand years of continuous use on high speed moulders. Available are a variety of sizes to fit your machine. Heads are made to order in about 4 weeks.



Weinig, Wadkin, SCMI, IIDA, Leadermac, Waco, & other High Production Moulders:

These heads are used on production moulders with feed rates up to 350 feet per min. Heads are precision made to run to 6000 rpm and are dynamic balanced to ISO Grade quality 1.0. Heads have all the industry standard features and metric hardware; knife pockets are designed to accept knife steel from 3/16" thick up to 10mm thick corrugated. Heads are made to order - you choose the cutting angle. For the same price you can add axial constant 7mm wide side hubs to the heads. Additional features and custom designs can be added like additional outside diameter grease fittings, and deeper knife pockets, notched gibs, and square head gib bolts.

Less 5% off prices shown for 10+ head orders.

Weinig, Mattison, Wadkin, Diehl, Leadermac, and other jointed high speed Moulders:

The H195 line our line of 10 and 12 knife moulder is for use on high speed jointed moulders. Available in 4 or 6-knife pockets for feed speeds up to 300 ft per min. and up to 6000 rpm. Call for additional prices on 8 and 10-knife heads in the 163mm body diameter. Standard heads come with your choice of cutting angles and bore size. Heads are made in about 4 weeks to the cutting angle you need.

Hydro-Sleeves are made from high yield strength alloy steel to avoid deforming over years of use. To avoid damage be sure to always use safety lock collars at all times. Do not exceed max. pressure on heads, do not pressurize heads on an undersized spindle, or spindles with keyways. Check pressure daily.

Metric Zerc Grease Inlet Fitting

(New Style: Built-in O-Ring)
MH-GF-600-N \$9.31

Metric Grease Release Valve

(New Style: Built-in O-Ring)
MH-RV-600-N \$8.68



Call for prices on 12+ knife moulder heads and smooth pocket planer heads for Newman, SR, Coastal, USNR, and Yates Planers.



Easy-Lock™ Hydro Bore Moulder Heads: 4 & 6 Knife



We offer a unique line of hydro-lock moulder heads that do not require a high pressure grease pump. The sealed system is pressurized by tightening an Allen bolt which energizes and locks the cutterhead to the spindle. To remove the cutterhead, simply loosen the bolt and the sleeve is de-pressurized. Available in cutting lengths up to 150mm long. Each cutterhead also has a set of grease release and zerc fittings so that the heads can also be pressurized with a grease pump. The Easy Lock design is proven reliable in lab tests which pressurized the system 25,000 times without failure, or pressure loss. Heads are pre-calibrated for use between 35° F and 110° F. Call for additional details and prices on custom heads and sleeves.

Weinig, Wadkin, SCMI, IIDA, Leadermac, Woodmizer, Silver, & other Mid-Sized Moulders:

These heads are used on moulders with larger spindles and larger cutting capacities. Heads are precision made to run to 9000 rpm and are dynamic balanced to ISO Grade quality 1.0. Heads are offered with all the industry standard features and metric hardware; knife pockets are designed to accept knife steel from 3/16" thick up to 10mm thick corrugated. Heads are made to order - you choose the cutting angle. Dual hook, or single hook on all 4-pockets for high speed jointed moulders. Jointed knife feed speeds up to 200 ft. per min.

- **No Grease Pump Required!**
- **Precise, Quick, & Simple to use. No Messy Grease.**
- **Piston Pressure Design**



Weinig, Mattison, Wadkin, Diehl, Leadermac, and other jointed high speed Moulders:

The H150 line is for use on high speed jointed moulders. Offered in 4 or 6 knife pockets for feed speeds up to 300 ft per min. and up to 9000 rpm. Call for additional prices on custom designed heads with shear cutting angles, etc. Standard heads come with your choice of cutting angles and bore size. Heads are made in about 4 weeks to the cutting angle you need.

H150: Hydro Bore 5.9" / 150mm OD x 1-13/16", 2-1/8", or 50mm Bore (Easy-Lock)				
Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	1-13/16"	MH150-4-60HLE	\$314.47
		2-1/8"	MH150-4-60HLE2.125	
100mm (3.94")	4	1-13/16"	MH150-4-100HLE	\$419.74
		2-1/8"	MH150-4-100HLE2.125	
130mm (5.12")	4	1-13/16"	MH150-4-130HLE	\$498.68
		2-1/8"	MH150-4-130HLE2.125	
*150mm (5.91")	4	1-13/16"	MH150-4-150HLE	\$600.00
		2-1/8"	MH150-4-150HLE2.125	
60mm (2.36")	6	1-13/16"	MH150-6-60HLE	\$353.95
		2-1/8"	MH150-6-60HLE2.125	
100mm (3.94")	6	1-13/16"	MH150-6-100HLE	\$472.37
		2-1/8"	MH150-6-100HLE2.125	
130mm (5.12")	6	1-13/16"	MH150-6-130HLE	\$560.53
		2-1/8"	MH150-6-130HLE2.125	
*150mm (5.91")	6	1-13/16"	MH150-6-150HLE	\$653.95
		2-1/8"	MH150-6-150HLE2.125	

H137: Hydro Bore 5.4" / 137mm OD x 1-13/16" Bore (Easy-Lock)				
Cut Length	# of Knives	Bore Size	Part #	Price
60mm (2.36")	4	1-13/16"	MH137-4-60HLE	\$285.53
100mm (3.94")	4	1-13/16"	MH137-4-100HLE	\$378.95
130mm (5.12")	4	1-13/16"	MH137-4-130HLE	\$444.74
*150mm (5.91")	4	1-13/16"	MH137-4-150HLE	\$528.75

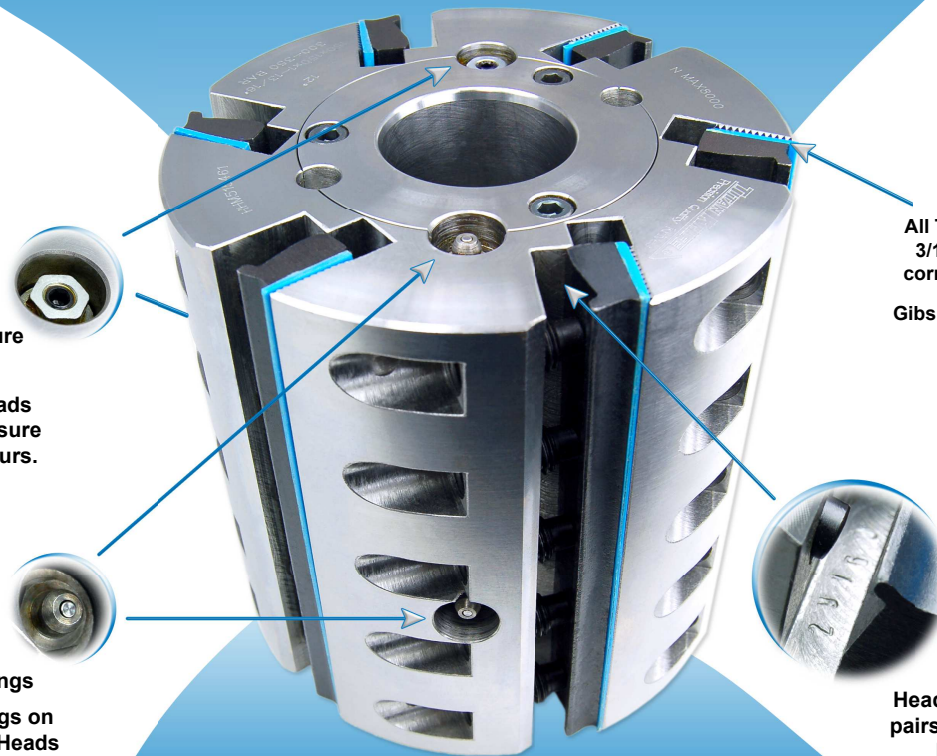
Custom bore sizes are offered, call for details.

*150mm long Easy-Lock Heads have welded sleeve style Hydro Sleeves

Titan Corrugated Cutterhead Analysis (Straight & Hydro Bore)

		TITAN		German	Popular Brands
Balance Tolerance	<i>Straight Bore</i>	ISO G-1.8 to G-2.5	Multi-Plane Computer Dynamically Balanced	ISO G-2.5	ISO G-2.5
	<i>Hydro Bore</i>	ISO G-1.0 to G-1.8			
Pocket Concentricity	<i>Straight Bore</i>	.0023" (.06 mm)		N/A	N/A
	<i>Hydro Bore</i>	.0018" (.05 mm)			
Bore Tolerance		+ 5 to + 20 Microns		+ 5 to + 20 Microns	N/A
Material	<i>Head</i>	Stress relieved, heat treated, high strength, high alloy steel. (ANSI 5140HT) HB200-220 Hardness.		Heat Stabilized Steel	Premium Hardened Steel
	<i>Hydro Sleeve</i>	(ANSI 4142HT) HB240-260 Hardness			
RPM Head Rating		9000 RPM 100, 122, & 137 mm Dia.		8000 RPM	N/A
		8000 RPM for 150mm Diameter		8000 RPM	8000 RPM
		6000 RPM for 163mm Diameter		N/A	N/A
List Price Comparison					
Straight Bore - 122mm Dia., 150mm Cut Length, 1-1/2" Bore, 4 Pocket, Dual Hook			\$303.24	Around 79% Higher Cost	Around 40% Higher Cost
Hydro Bore - 150mm Dia., 150mm Cut Length, 1-13/16" Bore, 6 Pocket			\$611.13	Around 96% Higher Cost	Around 41% Higher Cost

With equal or greater quality, Titan heads are a more cost effective option.



Grease Pressure Fittings

Hydro Bore Heads are factory pressure tested for 24 hours.

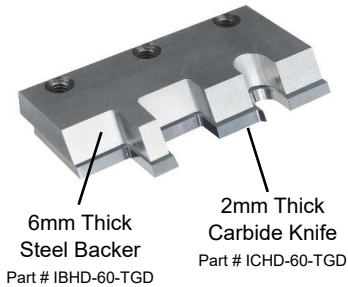
Grease Zerk Fittings
O.D. Grease Fittings on 150mm or Longer Heads

All Titan heads accept 3/16" to 10mm thick corrugated knife steel.
Gibs & Screws Balanced Separately

Heads have Serial # that pairs with Manufacturing Records Report



NEW! Heavy Duty (HD) Multi-Profile Insert Heads & Knives



Our new heavy duty multi-profile insert heads accommodate a wide variety of profiles; including deep profiles. The HD design is especially suited for troublesome woods. The knife system incorporates 6mm thick backers for extra strength and the heads are 3-wing for increased durability. A groove cutter support prong can be added to the tool body for even more strength and durability.

60mm wide heads, knives, and backers are available for 3/4" thick flooring and are in stock for immediate delivery.

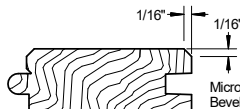


HD Multi-Profile Insert Heads (3-Wing) & Knives

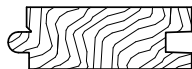
		40mm Width, 5" Minor Dia.	Part #	Price Each	
40mm Head & Knife		1-1/2" Bore Head	IHHD-40-1.5	\$546.88	
		40mm Bore Head	IHHD-40-40	\$546.88	
		1-13/16" Bore Head	IHHD-40-1.813	\$546.88	
1-7/16" Max Wood Thickness	Width	Knife Height	Depth of Cut	Part #	Price Each
		25mm	0.375"	ICHD-40-25	\$26.56
		30mm	0.500"	ICHD-40-30	\$28.52
		35mm	0.625"	ICHD-40-35	\$30.86
		40mm	0.750"	ICHD-40-40	\$35.94
		40mm Backers	IBHD-40	\$31.25	
		60mm Width, 5" Minor Dia.	Part #	Price Each	
60mm Head & Knife		1-1/2" Bore Head	IHHD-60-1.5	\$598.00	
		40mm Bore Head	IHHD-60-40	\$598.00	
		1-13/16" Bore Head	IHHD-60-1.813	\$598.00	
2-1/4" Max Wood Thickness	Width	Knife Height	Depth of Cut	Part #	Price Each
		25mm	0.375"	ICHD-60-25	\$35.55
		30mm	0.500"	ICHD-60-30	\$37.50
		35mm	0.625"	ICHD-60-35	\$43.75
		40mm	0.750"	ICHD-60-40	\$46.88
		60mm Backers	IBHD-60	\$31.25	

50mm Width Heads Available. 1-1/4" Bore Heads Available. Call for details.

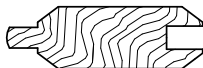
Examples:



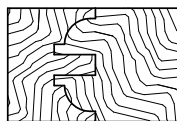
Flooring



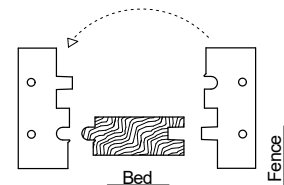
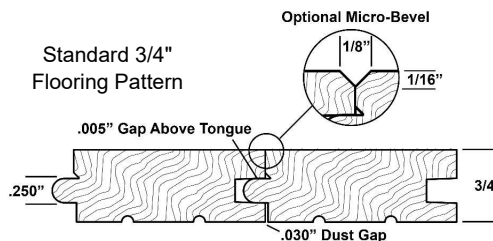
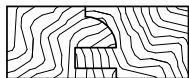
Panelling



Door Frames



Cabinet Door Frames



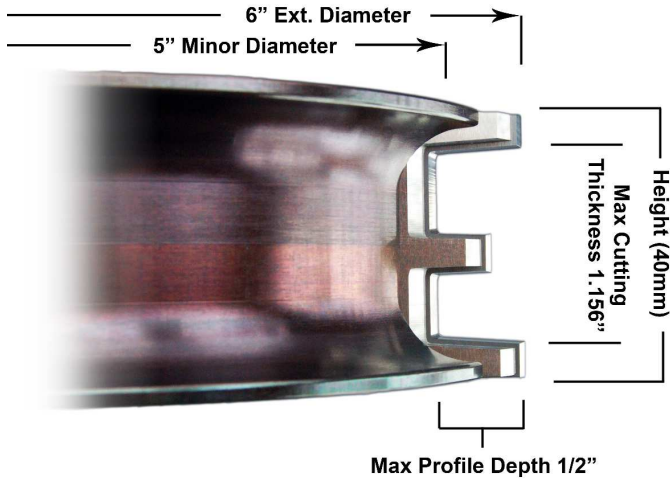
T&G Flooring Knives (Face Down Shown)

HD Stock Profiled Insert Knives

Description	Knife / Head Width	Part #	Price
T&G Flooring - Face Up - Knife	60mm	ICHD-60-TGU	\$37.50
T&G Flooring - Micro Bevel - Face Up - Knife	60mm	ICHD-60-TGU-MB	\$37.50
T&G Flooring - Face Up - Backer	60mm	IBHD-60-TGU	\$31.25
T&G Flooring - Face Down - Knife	60mm	ICHD-60-TGD	\$37.50
T&G Flooring - Micro Bevel - Face Down - Knife	60mm	ICHD-60-TGD-MB	\$37.50
T&G Flooring - Face Down - Backer	60mm	IBHD-60-TGD	\$31.25

Micro Bevel Knives use the same Backers as square face flooring.

Multi-Profile Insert Heads & Knives



Insert knife heads offer a great choice for mills who need long run consistency on profile cuts or mills without a profile grinder. The multi-profile heads are concave on the outside diameter and have knife pockets that accept a variety of pre-profiled carbide knives that are supported with a pre-profiled steel backing plate. This design allow you to use several different profiled pattern knives in the same head body, reducing your head inventory. Once the heads are initially purchased you would only need knives and backing support plates to run a new pattern. Long wearing C3 carbide knives can be changed quickly and relocate accurately without a setting gage. Standard heads are limited to profiles under 1.156" wide and .500" depth. Standard bore sizes are 1-1/4", 1-1/2", 40mm, and 1-13/16". Three knife heads are the most common choice for unjointed moulders that run under 100 ft/min., but 4 and 6 knife heads are also offered for faster feed rates. Prices shown are for each head only. Call for details and prices on other sizes offered. Heads are made to order in about 3 weeks.

2-Knife (5" Minor Dia., 6" Ext. Dia.) 40mm Wide x 1-5/32" Max Cutting Thickness		
Bore Size	Part #	Price
1-1/4"	IH-329349HD	\$430.00
40mm	IH-329290HD	\$430.00
1-1/2"	IH-329288HD	\$430.00
1-13/16"	IH-329289HD	\$430.00

* 8,000 Max. RPM - Hydro-sleeves can be installed in insert heads for perfect centering and quick locking.



Custom Pattern Inserts made for the same price.

Heads require steel backing plates that are ground to your pattern and used to support solid carbide knives. They are a one time purchase per pattern.



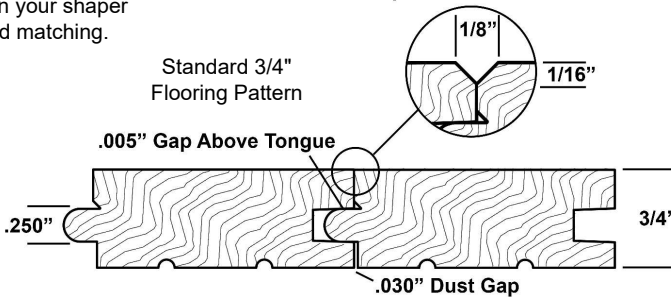
T-Bushing to 1-1/4" ID to run on your shaper for end matching.



Backers

60mm wide heads also offered. Call for prices.

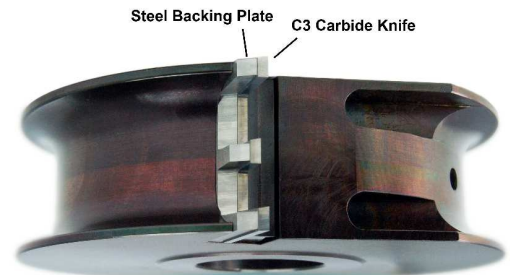
Optional Micro-Bevel



Knives

Stock Flooring Inserts			
Item	Description	Part #	Price Each
Knives 40 x 30 x 2.0mm	Tongue	IC-329291T	\$28.50
	Groove	IC-329292G	\$28.50
	Tongue (Micro Bevel)	IC-329365T	\$28.50
	Groove (Micro Bevel)	IC-329364G	\$28.50
Tongue Backer		IB-329291T	\$29.47
Groove Backer		IB-329292G	\$29.47
T-Bushings for Shaper	1-1/2" to 1-1/4" Reducer (2 Needed Per Head)	S-TB	\$28.00

Stock Flooring Inserts Run in Heads - 329349, 329288, 329289, 329290



*Face Down, Groove to the fence.

Custom & Dedicated MP Heads & Wing Cutters

Common Insert Tooling Profiles:

- Door Stile & Rail profiles (no more spacers).
- Window Tenons and shaper profiles
- Tongue & Groove profiles.
- Moulding profiles for mid-sized shops.
- Panel raiser and router bits.

**1 Head,
Many
Profiles**

Three knife heads are the most common choice for unjointed moulders that run under 100 ft/min., but 4 and 6-knife heads are also offered for faster feed rates. Standard 60mm heads are limited to profiles under 2.047" wide and .787" deep. Double patterned knives are offered and have a .562" max. cut depth. Standard bore sizes are 1-1/4", 1-1/2", 40mm, 1-13/16", & 2-1/8". Prices shown are for each head only. Call for prices on knives and backing plates. Call for details and prices on other sizes offered. Heads are made to order in about 3 weeks. Heads require steel backing plates that are ground to your pattern and used to support solid carbide knife - they are a one time purchase per pattern. Hydro-sleeves can be installed in insert heads for perfect centering & quick locking.

Dedicated heads are used for deep profiles that groove like fitted joints. They are used mostly for T&G flooring profiles, Stile and rail profiles for doors, or for single profiles you plan to produce on a regular basis. These heads are shaped on the outside diameter to match your exact profile and better support the carbide knives. No steel backing plates are needed for this option. The same standard features are offered as on the multi-profile heads above. Heads are custom made to order to meet your specifications.

Custom Multi-Profile Insert Heads

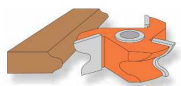
Custom Dedicated Profile Insert Heads

Custom Dedicated Profile Insert Heads

3-Knife Head Extreme Cutting Dia.	40mm (1.57") Head Width w/ Straight Bore	60mm (2.36") Head Width w/ Straight Bore
5.00"	\$495.00 IH-CD500-40	\$565.00 IH-CD500-60
6.50"	\$545.00 IH-CD650-40	\$595.00 IH-CD650-60

Carbide Tipped Wing Cutters to PCD Diamond Cutter Heads

We have solutions to tool up complex door and window component manufacturing from profile ground wing cutters to insert type cutterheads in hydro or straight bore to fit your moulder, tenoner, or CNC router. If you need extended tool life in MDF or abrasive materials, PCD diamond may be the right choice. Diamond tooling can offer run times over 100 times longer than the best grades of carbide. The most common tools made with diamond tips are router bits, saws, groovers, and custom profile flooring cutter heads. We custom design and manufacture the best tool for each project to ensure high performance. Tools are designed based on an evaluation of your machine and material cut; then a detailed CAD conceptual drawing is used to illustrate the tool for your pre-manufacturing approval.



**FREEBORN
TOOL COMPANY, INC.**

Cope & Pattern
Cutters

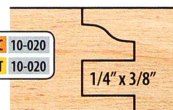


Raised Panel
Shaper Cutter

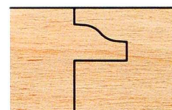


Cope & Pattern
3/4" x 1-1/8" Material

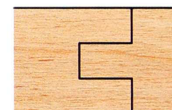
M C 50-020 P C 10-020
M T 50-020 P T 10-020



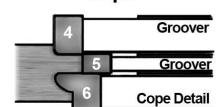
Glass Panel
3/4" x 1" Material



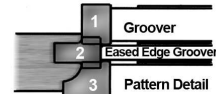
Tongue & Groove
3/4" Material



Cope



Pattern



PRODUCT ORDER CODE

M C 00-000 P C 00-000
M T 00-000 P T 00-000

M - MINI-PRO (3/4" Bore)
P - PRO-LINE (1-1/4" Bore)
C - Carbide Tip (Orange)
T - T-Alloy Tip (Yellow)

Splitter, Reference Engravers, & Turnable Knife Heads

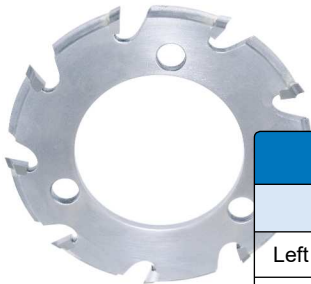
Splitter Saw & Radius Eased Edge Cutters For Moulders

"Splitter Heads" Rip, Groove, and Surfacing in One Pass

Don't have enough spindles? We offer custom made heads that can combine a moulder head and a carbide tipped saw to allow you to rip stock and surface on the same spindle, or allow you to ease edges and rip for square production. Also commonly used to cut a weather strip groove without the hassle of breaking moulder knife splitters - 0-deg. radial carbide tip saws cut smooth grooves and last thousands of feet longer. Call for prices and details for your specific application. We can provide good solutions for nearly any product run.



A typical assembly includes a Titan hydro sleeve, saw, eased edge cutters, spacers, and bolts.



Splitter Saws (Rip Saw Triple Chip)								
Dia.	Kerf	Plate	Bore	Teeth	Pin Holes	Bolt Circle	Part #	Price
180mm	2.8mm	2.0mm	50mm	24	3 Pin Holes 10.5mm Dia.	64mm	Saw SB-18050	\$69.00
			60mm	24	3 Pin Holes 10.5mm Dia.	74mm	Saw SB-18060	\$69.00
			65mm	24	3 Pin Holes 10.5mm Dia.	80mm	Saw SB-18065	\$69.00
200mm	2.8mm	2.0mm	50mm	24	3 Pin Holes 10.5mm Dia.	64mm	Saw SB-20050	\$69.00
			65mm	24	3 Pin Holes 10.5mm Dia.	80mm	Saw SB-20065	\$69.00

Contact us regarding tooling to put eased edges on the opposite side of materials.

0.125" Radius Eased Edge Cutters RH & LH						
	Diameter	Width	Bore	Teeth	Part #	Price Each
Left Hand	120mm	4.75mm	65mm	8	Saw SB-S001	\$99.00
Right Hand	120mm	4.75mm	65mm	8	Saw SB-S002	\$99.00
Left Hand	120mm	4.75mm	50mm	8	Saw SB-S003	\$99.00
Right Hand	120mm	4.75mm	50mm	8	Saw SB-S004	\$99.00



Refer to catalog pages for sleeves and spacers

These insert knife groovers are to use on the first bottom spindle next to your spiral head to true stock prior to the fence side head. Engravers cut 12.5mm deep and up to 12mm wide. Call for quotes on made to order engravers.

Reference Engravers					
Cutting Diameter	Cutting Length	# of Rows of Knives	Standard Bore	Part #	Price
150mm	12mm Kerf	3 + 3 Spurs	1-1/2"	MRE1503-1.5	\$299.00
150mm	12mm Kerf	3 + 3 Spurs	40mm	MRE1503	\$299.00
165mm	12mm Kerf	3 + 3 Spurs	1-13/16"	MRE1653	\$299.00

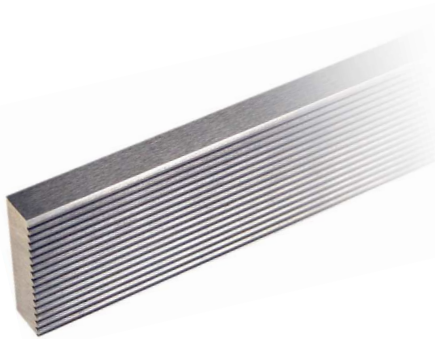


Turnable Knife Insert Side Heads					
Knife Cutting Length	Cutting Diameter	# of Knives	Bore Size	Part #	Price Each
50mm (2")	125mm	4 w/ Side Spurs (2 each side)	1-1/4"	IC-125-4-50-1.25	\$199.00
			1-1/2"	IC-125-4-50-1.5	\$199.00
			40mm	IC-125-4-50-40	\$199.00
			1-13/16"	IC-125-4-50-1.813	\$199.00
Spare Knives -- 50mm x 12mm x 1.5mm				IC-151250	\$3.59

We offer several insert knife heads styles for economical surfacing of material on smaller moulders and planers. Heads come with or without side cutting spurs for dado and rabbet cutting. Once the knives dull, you simply turn the blade around to the next sharp cutting edge - 2 or 4 life cutting edges. Once all usable cutting edges are dull, a new low cost long wearing carbide knife is quickly inserted. No need to purchase expensive sharpening equipment. This option offers one of the lowest cost ways to size and surface hardwoods. Call for additional prices. Heads come with set of knives. Spare knives on page 20.



Filler Wedges, Drill & Router Bits, Bushings, Spindle Spacers



Pre-Cut Filler Wedges				
Thick	Height	Length	Part #	Price
5/16"	1"	50mm	SCW311-50	\$5.39
		60mm	SCW311-60	\$6.49
		80mm	SCW311-80	\$8.66
		100mm	SCW311-100	\$10.84
		130mm	SCW311-130	\$14.08
		150mm	SCW311-150	\$16.25
		180mm	SCW311-180	\$19.47
		230mm	SCW311-230	\$24.89
		310mm	SCW311-310	\$33.55



Filler Wedges cut and balanced in pairs to fit popular cutterhead lengths are available. They are used to fill unused pockets in a cutterhead preventing bore distortion caused by uneven tightening of the gib screws.



We offer a broad selection of TCT and solid carbide router bits, high speed steel drill and countersink bits.



Precision steel bushings used for running larger bore heads on shapers and small spindle moulders.



Flanged Reducing Bushings		
Outer Dia.	Inner Dia.	Part #
1-13/16"	1-1/4"	TB1813
40mm	1-1/4"	TB40
1-1/2"	1-1/4"	TB150
1-1/4"	1"	TB125
Insertion Length 1/2"		
Flange Diameter 2-1/8"		

Need 2 Per Head
\$28.00 each



Accurate steel spacers for filling the space between a shorter head or tool and lock nut on the spindle.

Spindle Spacers				
Outer Dia.	Bore	Length	Part #	Price
60mm	1-1/4"	25mm	SP125-25	\$22.00
60mm	1-1/4"	48mm	SP125-48	\$22.00
80mm	1-1/2"	25mm	SP150-25	\$22.00
80mm	40mm	25mm	SP40-25	\$22.00
80mm	1-13/16"	25mm	SP181-25	\$22.00

Moulder Head Self-Centering Sleeves & Parts

Self Centering Sleeve (SCS) Bore Moulder Heads



For older domestic made moulders we offer mechanical centering cutter heads; Self centering sleeves (SCS), Cone & Collet, Straight, Taper bore heads. We can provide heads with custom features like: Contour O.D. heads, shear cutting angles, saw style splitter heads for in line rips or notching, taper diameter heads for Crown mouldings, and more. We offer spare parts, custom made gibs, gib screws, and used heads.



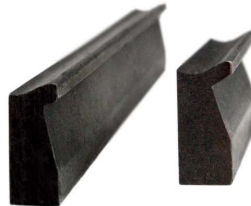
ETP Hydro-Grip Sleeves

Call for more information.



Moulder head Accessories: Gibs, Screws, Sleeves, Hydro Sleeves, Repairs

We offer replacement parts and can service damaged heads. We offer metric thread 1/4" square head gib screws to replace your existing European metric Allen gib screws - eliminates cleaning plugged pine pitch from allen screws! We also offer Wrenches, Sleeve kits, Spare SCS sleeves and nuts, Safety Lock Rings, Spindle spacers, and much more.



Gibs



Safety Lock Collars



Gib Screws

Moulder Head Accessories		
Accessory Item	Part #	Price
Safety Lock Collars - for Hydro-Loc Heads (Ref. pg. 37)	LC(Size)	\$75.00
Wanner High Pressure Grease Gun - 600 Bar for Hydro-Loc Heads	M-06-32391.11	\$395.12
Metric High Press Fitting - Inlet (Zerc) with O-Ring (10mm) - Wanner Part # 32310.00	MH-GF-600-N	\$9.31
Metric High Press Fitting - Outlet Release Valve with Metric Seal O-Ring - Wanner Part # 32320.00	MH-RV-600-N	\$8.68
3mm Set Screw for Metric Release Valve	MH-RV-SS	\$0.90
5/32" Steel Ball for Either Release Valve	MH-RV-SB	\$0.85
AceCo Style High Press Fitting - Inlet (Zerc) 1/8" NPT	GR-FIT-1634	\$8.97
AceCo Style High Press Fitting - Outlet Release Valve	BF14-001-2	\$7.13
T-Handle Wrench - 6mm Allen Key Gib Screws	MH-M6-AK	\$12.00
M10 x 20 Allen Head Gib Screw	MH-M10-GS	\$0.55
M12 x 20 Allen Head Gib Screw	MH-M12-GS	\$0.55

Call for prices on other spare parts like gibs, sleeves, and other items.



Knife Setting Gages

Our standard kit includes 2 magnetic feet elevators and shim set to allow accurate knife setting. Good for heads to 5" diameter and up to 20" long knives. Call for details.

\$50.00 / Set



Polyurethane & Steel Moulder Feed Rollers

Most Weinig Moulders use one of three diameters: 140mm (5-1/2") or 170mm (6-11/16"). We also offer a 150mm diameter roller that some millworks use in place of the 140mm to increase the maximum feed speed.



Weinig, Leadermac, SCMI Solid Urethane Rollers

		Wheel Size			Description	Part #	Price New	ReCoat Price
		Dia.	Width	Bore				
Keyed Shaft	5-1/2"	3/4"	35mm	10mm	Keyed Shaft	FW-R106T140	\$24.52	\$12.35
		5/8"	35mm	10mm	Keyed Shaft	FW-R42362007	\$46.54	\$12.35
		1"	35mm	10mm	Keyed Shaft	FW-R106T140-1	\$27.63	\$13.40
		1-1/4"	35mm	10mm	Keyed Shaft	FW-R143618007	\$54.26	\$18.09
	2"	35mm	10mm	Keyed Shaft	FW-R105T140	\$37.63	\$18.09	
6-5/16"	1"	35mm		Keyed Shaft	FW-R107T160	\$29.07	\$23.40	
	2"	35mm		Keyed Shaft	FW-R104T160	\$44.57	\$39.36	
6-11/16"	1"	35mm		Keyed Shaft	FW-R107T170	\$28.67	Call	
	2"	35mm		Keyed Shaft	FW-R104T170	\$49.07	Call	
Bolt-On	5-1/2"	3"	5/8"	30mm	Middle Hold Down Roll	FW-R95YE0014	\$33.33	\$17.80
		1/2"	30mm		Wide Cup - Bolt-On	FW-R14192021	\$25.53	\$13.83
	3/4"	35mm		Leadermac Style	FW-R80OR0028-35	\$25.00	\$13.83	
	3/4"	30mm		Wide Cup - Bolt-On	FW-R80OR0028-30	\$25.00	\$13.83	
	1-1/2"	30mm		Wide Cup - Bolt-On	FW-R14192018	\$48.95	\$20.21	
6-11/16"	3/4"	35mm		3-Bolt Flange Style	FW-R80OR0044	\$39.22	\$22.20	

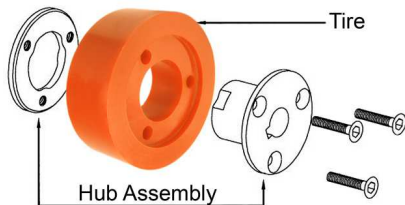
Re-coated tires can lower replacement costs.

The replaceable tire system offers quick change outs without the hassle of re-coating your old tire hubs. Most sizes in stock. Call for other sizes and types offered. Steel hubs are a one time purchase. Replacement tires can be stocked and changed quickly without having ship and wait for re-coated tires. When ordering please specify bore size (35mm or 30mm ID) and keyway size (10mm standard).

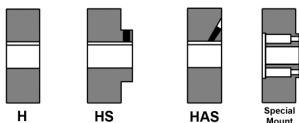
Replaceable Tires & Steel Hubs

		Wheel Size			Tire Part #	Tire Price	Hub Part #	Hub Price
		Dia.	Width	Bore				
Keyed Shaft	5-1/2"	3/4"	35mm	10mm	FW-T11370	\$20.94	FW-H17192	Call
		1"	35mm	10mm	FW-T11150	\$26.81	FW-H16856	\$127.50
		1-1/4"	35mm	10mm	FW-T11104	\$29.55	FW-H16756	Call
		2"	35mm	10mm	FW-T11190	\$28.94	FW-H16858	\$87.51
	2"	25mm		FW-T11625	\$32.00*	for Wadkin	Call	
5-15/16"	3/4"	35mm	10mm	FW-T11417	\$27.85	FW-H17192	Call	
	2"	35mm	10mm	FW-T11132	\$43.15	FW-H16858	\$87.51	
6-5/16"	3/4"	35mm	10mm	FW-T11490	\$26.81	FW-H17000	Call	
	2"	35mm	10mm	FW-T10770	\$41.00	FW-H16295	Call	
6-11/16"	3/4"	35mm	10mm	FW-T11610	\$28.73	FW-H17000	Call	
	2"	35mm	10mm	FW-T10950	\$50.10	FW-H16295F FW-H16260	Call Call	
Bolt-On	5-1/2"	3/4"	30mm	FW-T11370	\$20.94	FW-H17340	\$97.88	
					6-Bolt Holes		3 Mounting Holes	

* Wadkin 108 / 3" Bore



Roller Hub Mount Styles



Steel Tooth In-Feed Rollers



Steel Tooth Feed Rollers

		Wheel Size			Description	Part #	Price
		Dia.	Width	Bore			
Keyed Shaft	5-1/2"	5/8"	35mm	10mm	Keyed Shaft	FW-S23291017	Call
		5/8"	35mm	10mm	Extended Hub Keyed	FW-S143618002	Call
		3/4"	35mm	10mm	Keyed Shaft	FW-S8001	Call
		1-1/4"	35mm	10mm	Keyed Shaft	FW-S143618010	Call
		2"	35mm	10mm	Keyed Shaft	FW-S8006	\$99.00
Bolt-On	5-1/2"	3/8"	30mm		Wide Cup - Bolt-On	FW-S1439011984	Call
		5/8"	30mm		Wide Cup - Bolt-On	FW-S143618009	Call
		3/4"	30mm		Wide Cup - Bolt-On	FW-S8008	\$95.50

Call for custom sizes. Steel Knurled Rollers also offered.

Hydro-Lock Sleeves



Hydro-Sleeves for Cutterhead Centering and Saw Sleeves

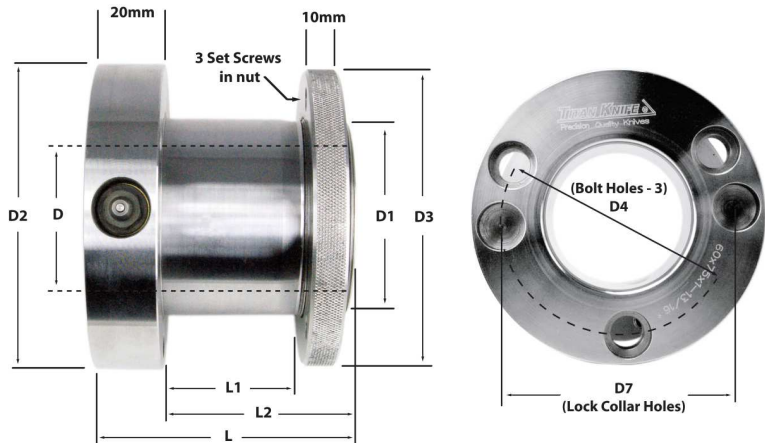
High precision, lower cost solution for centering insert cutterheads, spiral heads, and saw blades on production moulders, tenoners, and rip saws. CNC machined from high strength alloy steel for long wear life. Titan sleeves are dimensional matches to the popular ETP™ brand, and use a welded sleeve design. Custom size sleeves offered - call for prices. Custom size sleeves can be made to meet your special requirements. Volume discounts are offered on 5+ pcs, mix & match sizes. Many other types of Hydro Sleeves offered. Please contact us to receive a dedicated hydro sleeve catalog.

Titan Hydraulic-Lock Welded Sleeves Style B:

Part #	D Bore Dia.	D1 Shank Dia.	D2 / D3 Flange & Nut Dia.	D4 / D7 Bolt Circle Nut Dia.	H Bolt CB Depth	L Overall Length	L1 Usable Capacity	L2 Shank Length	Price
B:1-1/2"/50-85T	1.50"	50	83	64	9	85	50	65	\$270.00
B:1-1/2"/50-135T	1.50"	50	83	64	9	135	100	115	\$312.86
B:1-1/2"/50-185T	1.50"	50	83	64	9	185	150	165	\$370.00
B:1-13/16"/60-75T	1.813"	60	93 / 90	74	8.5	75	40	55	\$278.57
B:1-13/16"/60-115T	1.813"	60	93 / 90	74	8.5	115	80	95	\$310.00
B:1-13/16"/60-140T	1.813"	60	93 / 90	74	8.5	140	105	120	\$327.14
B:1-13/16"/60-190T	1.813"	60	93 / 90	74	8.5	190	155	170	\$391.43
B:1-13/16"/65-85T	1.813"	65	98	80	9	85	50	65	\$312.86
B:1-13/16"/65-135T	1.813"	65	98	80	9	135	100	115	\$350.00
B:1-13/16"/65-185T	1.813"	65	98	80	9	185	150	165	\$441.43
B:1-13/16"/65-235T	1.813"	65	98	80	9	235	200	215	\$512.86
B:2-1/8"/65-85T	2.125"	65	98	80	9	85	50	65	\$312.86
B:2-1/8"/65-135T	2.125"	65	98	80	9	135	100	115	\$350.00
B:2-1/8"/65-185T	2.125"	65	98	80	9	185	150	165	\$441.43
B:2-1/8"/65-235T	2.125"	65	98	80	9	235	200	215	\$512.86

Steel spacers for the hydro-sleeves to allow indexing rip saws apart or to fill excess sleeve capacity. Spacer nuts have 3 bolt holes with 3/8" NC threads. Index spacers are drilled for (3) 10.5mm holes.

Saw Index Fillers / Spacers			
Thickness	Bore x Ø	Part #	Price
1/16"	50mm x 83mm	Spacer-D-50/83-1/16"	\$12.50
	60mm x 93mm	Spacer-D-60/93-1/16"	
	65mm x 98mm	Spacer-D-65/98-1/16"	
1/8"	50mm x 83mm	Spacer-D-50/83-1/8"	\$15.00
	60mm x 93mm	Spacer-D-60/93-1/8"	
	65mm x 98mm	Spacer-D-65/98-1/8"	
1/4"	50mm x 83mm	Spacer-D-50/83-1/4"	\$17.50
	60mm x 93mm	Spacer-D-60/93-1/4"	
	65mm x 98mm	Spacer-D-65/98-1/4"	
1/2"	50mm x 83mm	Spacer-D-50/83-1/2"	\$20.00
	60mm x 93mm	Spacer-D-60/93-1/2"	
	65mm x 98mm	Spacer-D-65/98-1/2"	
1"	50mm x 83mm	Spacer-D-50/83-1"	\$25.00
	60mm x 93mm	Spacer-D-60/93-1"	
	65mm x 98mm	Spacer-D-65/98-1"	
1/4" Spacer Nut	50mm x 83mm	Spacer-D-50/83-Nut	\$20.00
	60mm x 93mm	Spacer-D-60/93-Nut	
	65mm x 98mm	Spacer-D-65/98-Nut	



Round Lock Rings also offered.



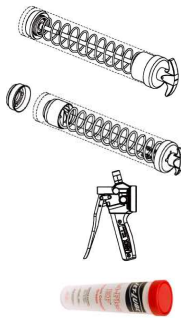
Safety Lock Collars		
Lock Collar Bore Dia.	Part #	Price
1-1/2"	LC150	\$75.00
1-13/16"	LC1813	\$75.00
2-1/8"	LC2125	\$75.00
40mm	LC40M	\$75.00
50mm	LC50M	\$75.00



Wanner High Pressure Grease Gun - Newest Model

Wanner Model 32391 Offers Best Reliability:

The newest *Wanner / Abnox* Swiss made high pressure grease gun has an operating pressure of 600 bar and are used to pressurize any hydro-locking head or sleeve. This version has a center filtered aspiration valve, replaceable pressure valve seat, 1,000 bar pressure hose, improved pressure release valve, lighter weight, plastic handle, and more. Spare replacement parts for the older and new version pumps are available. Also offered, an alternate 15,000 psi USA made lever operated pump, heavy duty built with fewer parts.



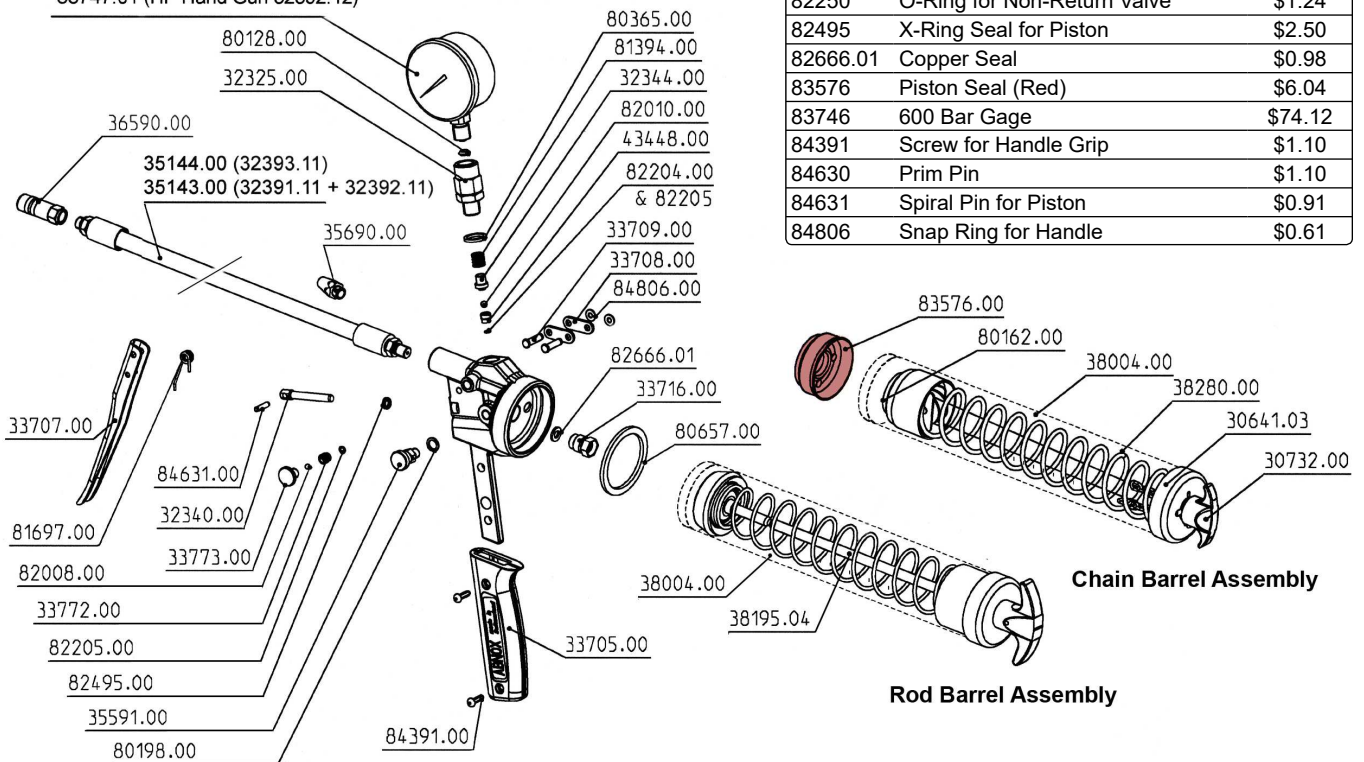
600 Bar Model Grease Gun		
Description	Part #	Price
Wanner Pump w/ Rod Barrel	32391.11	\$395.12
Wanner Pump w/ Chain Barrel	32393	\$424.39
Spare Parts Kit - Rod Style 33758, 36590, 38146, 43448, 80657, 81697, 82010, 82204, 82495, 83398, 84808	33795	\$43.29
Spare Parts Kit - Chain Style 36590, 80657, 43448, 2pcs of 82205, 82495, 83576, 82008, 33772, 33773	33796	\$43.29
Rod Barrel Assembly	38195.04	\$47.26
Chain Barrel Assembly	38280	\$78.00
Valve Head Complete (Upgrade Your Old Valve Head)	33731.03	\$220.34
Jet Lube 14 oz. Plastic Tube High Pressure Grease Tube		\$7.44

Spare Parts for Newest Pump (32391)

Part #	Description	Price
32308.01	Pressure Release Screw	\$5.37
32325	Rotary Coupling	\$24.53
32340	Piston	\$16.46
32344	Valve Pin	\$2.87
33705	Plastic Handle - Complete	\$9.15
33707	Lever	\$4.88
33708	Link Plate	\$1.71
33709	Bolt for Lever / Link Plate	\$2.20
33716	Non-Return Valve	\$14.63
33731	New Valve Head	\$220.34
33758	Pres. Rel. Valve Kit (Fixes Leaking Pressure at Thumb Screw)	\$21.34
33772	Special Valve Seat for Pre. Rel.	\$14.15
33773	Special M8 Short Pre. Screw Rel.	\$10.24
35143	12" Hose 1,000 Bar Rated	\$34.71
35144	20" Pres. Hose - Heavy Duty	\$51.22
35595.01	Air Release Valve	\$7.93
35690	Filler Cap	\$4.94
36590	Hydraulic Connector	\$10.35
38004	Barrel - Steel Tube Only	\$24.09
38195	Rod Barrel w/ Steel Tube	\$75.24
38195.04	Rod Barrel Inside Parts	\$47.26
43448	Valve Seat	\$9.45
80128	Brass Crush Washer	\$2.74
80198	Cu-Joint Seal	\$2.32
80365	Brass Washer	\$2.32
80657	Barrel Seal - Flat O-Ring	\$3.05
81394	Bigger Pressure Spring	\$2.13
81697	Smaller Torsion Spring	\$1.22
82008	5/32" Steel Ball	\$0.85
82010	3/16" Steel Ball	\$0.85
82014	6mm Steel Ball Release Screw	\$1.59
82205	(82204) O-Ring for Valve Seat	\$1.24
82250	O-Ring for Non-Return Valve	\$1.24
82495	X-Ring Seal for Piston	\$2.50
82666.01	Copper Seal	\$0.98
83576	Piston Seal (Red)	\$6.04
83746	600 Bar Gage	\$74.12
84391	Screw for Handle Grip	\$1.10
84630	Prim Pin	\$1.10
84631	Spiral Pin for Piston	\$0.91
84806	Snap Ring for Handle	\$0.61

83746.01 (HP Hand Gun 32391.10 + 32393.10)

83747.01 (HP Hand Gun 32392.12)





Wanner High Pressure Grease Gun - Older Model Parts

Parts for older Wanner pumps:

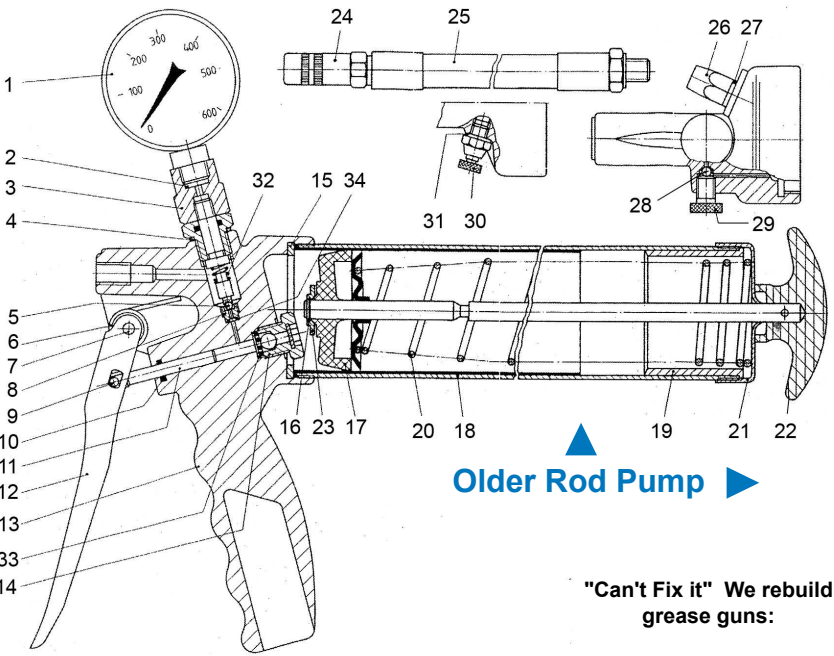
If you purchased your grease pump from Weing, Wadkin, or Global, we offer spare parts. There are several versions of the Abnox / Wanner grease guns. Below are parts to more common chain & rod barrel type grease guns. Call for assistance in trouble shooting, or for parts not shown.

Spare Parts for Older Rod Pump (M-06)

Pos. #	Description	Part #	Price
1	Gage 600 Bar	83746	\$74.12
2	Washer	80128	\$2.74
3	Rotary Coupling	32325	\$24.53
4	Washer	80365	\$2.32
5	Steel Ball	82010	\$0.85
6	Torsion Spring	81699	\$2.20
7	Spiral Pin	84684	\$0.98
8	Valve Seat	43448	\$9.45
9	Prim Pin	84630	\$1.10
10	X-Ring Seal	82495	\$2.50
11	Piston	32340	\$16.46
12	Lever	30647.01	\$8.25
13	Valve Head	30614.01	N/A
14	Aspiration Valve	33716	\$14.63
15	Barrel Seal	80657	\$3.05
16	Supporting Disc	38080	\$1.07
17	Low Pres. Piston	38075	\$14.39
18	Cylinder	38004	\$24.09
19	Insert	38089	\$2.44
20	Pressure Spring	81771	\$11.59
21	Cover	38013	\$6.71
22	Piston Rod	38078	\$16.71
23	Security Disc	84808	\$0.73
24	Hydraulic Connector	36590	\$10.35
25	Hose 20"- 1,000 Bar	35144	\$51.22
26	Filler Cap	35690	\$4.94
27	Seal	80266	\$1.47
28	Pressure Release Screw	32308.01	\$5.37
29	Steel Ball	82010	\$0.85
30	Air Release Valve	35595.01	\$7.93
31	Cu-Joint	80198	\$2.32
32	Pressure Spring	81358	\$1.22
33	O-Ring for Non-Return	82250	\$1.24
34	O-Ring for Valve Seat	82205	\$1.24
35	Spring Pin	32339	\$3.66

Spare Parts for Older Chain Pump

Pos. #	Description	Part #	Price
1	Gage 600 Bar	N 83746	\$74.12
2	Washer	K 80128	\$2.74
3	Rotary Coupling	32325	\$24.53
4	Washer	K 80365	\$2.32
5	Pressure Spring	K 81384	\$2.13
6	Torsion Spring	K 81699	\$2.20
7	Spiral Pin	N 84684	\$0.98
8	Valve Plug	K 30643	\$1.22
9	Spiral Pin	N 84630	\$1.10
10	X-Ring Seal	N 82495	\$2.50
11	Piston	H 32340	\$16.46
12	Lever	H 30647.01	\$8.25
13	Valve Head	H 30614	N/A
14	Non-Return Valve	B 30508	\$5.82
15	Barrel Seal	K 80657	\$3.05
16	Cylinder	H 38004	\$24.09
17	Piston Seal (Red)	K 83576	\$6.04
18	Joint Pad	K 80162	\$7.32
19	Guide	H 32329	\$34.15
20	Support	B 39075	\$8.54
21	Pressure Spring	K 81763	\$23.78
22	Chain .6m	N 83901	\$7.62
23	Spiral Pin	N 84681	\$1.22
24	End Cover	B 30657	\$9.76
25	Lining	H 39096	\$1.22
26	Flat Washer	N 82741	\$2.74
27	Pressure Spring	K 81656	\$3.56
28	Handle	H 39095	\$7.32
29	Hyd. Connector	36590	\$10.35
30	Hose - 20" Long	35144	\$51.22
31	Cover Plug	H 30642	\$2.20
32	Washer	K 80266	\$1.47
33	Press. Rel. Screw	H 32308	\$5.37
34	Steel Ball	N 82010	\$0.85
35	Air Release Valve	35590	\$6.10
36	Washer - Joint Seal	K 80198	\$2.32



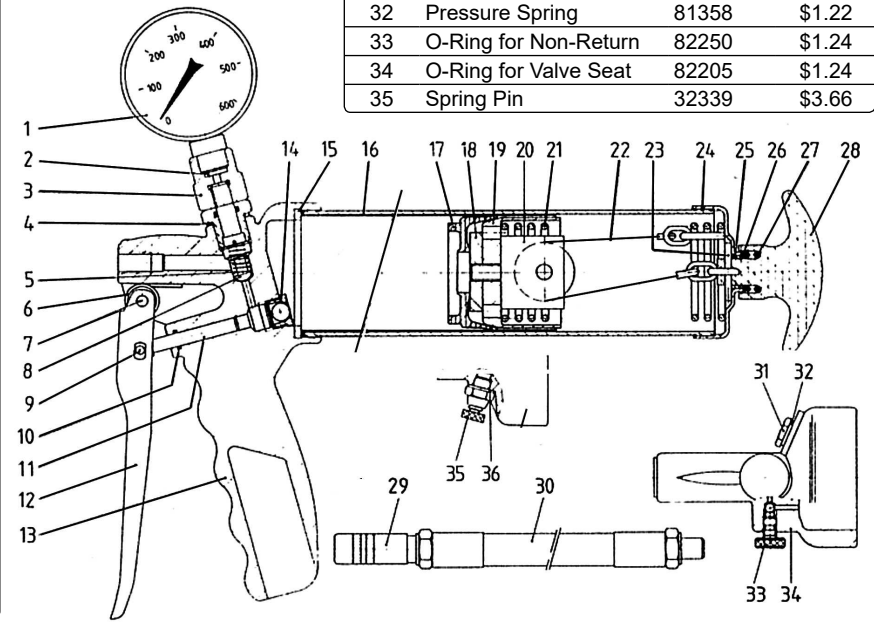
Older Rod Pump

"Can't Fix it" We rebuild grease guns:

If you still are not able to fix your grease gun, send it to us for repair. Call for details on this service work. We are an Authorized Official Factory Service Center.

Older Pump Parts Kit
Part # 33794
Price \$32.75
 Includes 82495, 80657, 30643, 32308, 81384, 30508, 83576

Older Chain Pump



Vitrified Profile Grinding Wheels



The full line of moulder knife profile grinding wheels and can suggest a grinding wheel to match the grinderman's experience, the grinders RPM, & the steel hardness. Normally the harder the wheel (and the faster the RPM) the longer wearing the wheel is, yet harder wheels load quicker & can burn knives. Also available are coarse wheels for roughing profiles & fine wheels for resharpenering. A coarse wheel at a higher RPM can also help provide a finer finish grind.

Now offering European & Lower Cost USA made wheels.



COLOR INDEX

White Grain Aluminum Oxide:
Very Fast & cooler grinding, but faster wheel wear.

Premium Gray Aluminum Oxide:
Fast grinding, longer wear than white grain.

Pink Chromium Oxide:
Longer wearing than Gray wheel - little harder (better value).

Blue Ceramic:
Long wearing - about twice the life of white oxide wheels.

Purple Ceramic:
Ceramic & Pink grain mix - wears like Blue Ceramic but at a lower cost (better value).

Weinig Grinders
Rough grind patterns at about 1,800 rpm (slow rpm if knife burns). As wheel wears RPM can be increased to 2,100 RPM. For finer finish grinds with a coarse wheel increase RPM to 2,600+ RPM.

	Dia.	Thick	Bore	Color	Grit / Hardness	Description	Part #	Price
Weinig Grinders	225mm	5mm	60mm	White	54 - I	Hogging Wheel / Cool Grinding	GW-3001	\$24.00
				Gray	54 - H	USA version	GW-3200-A-H	\$15.95
				Gray	54 - K	Low Cost Option - Roughing	GW-3205	\$10.50
				Gray	100 - H	Finish Grinding - Cooler Wear	GW-3202	\$25.69
				Pink	60 - K	All Purpose - Fast Grinding	GW-3300	\$19.25
				Pink	54 - K	Low Cost Option - Roughing	GW-3305	\$15.80
				Blue	54 - J	Low Cost - Ceramic	GW-3405	\$19.88
				Blue	54 - I	Ceramic - USA version	GW-3400a	\$31.18
				Blue	54 - K	Norton SG - Hard / Long Life	GW-3610	\$65.88
				Purple	54 - J	Ceramic Blend - A Favorite	GW-3500	\$24.35
Purple	100 - I	Fine Detail - Long Life	GW-3502	\$21.88				
Wadkin Grinders	225mm	5mm	1-1/4"	White	54 - H	USA version	GW-4020a	\$15.18
				Gray	54 - H	USA version	GW-4050a	\$16.35
				Blue	54 - J	X-L Wearing Ceramic - USA	GW-4450A	\$31.18
				Purple	54 - J	Long Wear	GW-4500A	\$25.88
Foley, United, Nielsen, & Western Grinders	8"	1/8"	1-1/4"	White	46 - H	Fine Detail Finish Grind	GW-6060	\$24.12
				Pink	60 - I	Roughing Wheel	GW-6075	\$23.47
				Blue	60	Long Wearing Ceramic	GW-6070	\$44.70
	8"	3/16"	1-1/4"	White	46	Cool Rough Grinding	GW-6065	\$24.12
				White	60 - J	Oxide Wheel - Fast / Cool	GW-5020	\$34.40
	10"	1/8"	1-1/4"	Pink	60 - I	Oxide Wheel - Long Wearing	GW-5050	\$23.18
				Blue	60 - H,J	Long Wearing Ceramic	GW-5000A	\$30.12
	10"	3/16"	1-1/4"	White	46 - K	Roughing Wheel	GW-5100	\$34.40
				Pink	60 - J	Multi-Purpose	GW-5200	\$28.46
				Blue	46 - K	Long Wearing Ceramic	GW-5500A	\$38.00
Purple				46-60 - H	Harder Ceramic Wheel	GW-5520	\$39.88	
10"	1/4"	1-1/4"	White	54 - J	Straight Knives	GW-5601	\$34.40	

Call for additional sizes not shown above. Custom wheels can also be made to your spec's.

CBN & Diamond Profile Wheels & Cutoff Wheel



Super Abrasive profile wheels offer the longest wheel wear and the finest finishes. Below are the most common stock wheels, we can also make custom wheels to your grit & hardness spec's.



CBN

Borazon, use to finish grind and sharpen steel knives, run at fastest RPM possible, 3,000+.

NCD Diamond

Use to finish grind and resharpen solid carbide knives, run at 3,000 rpm max.

CDX Diamond

For carbide inlay knives; resist plugging with soft backing steel, 3,000 rpm max.

	Diameter	Thick	Bore	Description	CBN Part #	CBN Price	Diamond NCD Part #	Diamond NCD Price	Diamond CDX Part #	Diamond CDX Price
Weinig Grinders	8"	1mm	60mm	Radius Top	GW-8110	\$159.00	GW-9115	\$144.00	GW-9115X	\$144.00
		1.5mm	60mm	Radius Top	GW-8115	\$159.00	GW-9191	\$144.00	GW-9191X	\$144.00
		2mm	60mm	1mm Radius	GW-8200	\$159.00	GW-9202	\$144.00	GW-9202X	\$144.00
				Square Top	GW-8205	\$159.00	GW-9206	\$144.00	GW-9206X	\$144.00
		3mm	60mm	1.5mm Radius	GW-8300	\$165.00	GW-9302	\$155.00	GW-9302X	\$155.00
				Square Top	GW-8305	\$165.00	GW-9306	\$155.00	GW-9306X	\$155.00
		4mm	60mm	2mm Radius	GW-8400	\$192.00	GW-9402	\$184.00	GW-9402X	\$184.00
				Square Top	GW-8405	\$192.00	GW-9406	\$184.00	GW-9406X	\$184.00
6-1/2"	10mm	60mm	10mm Square Top - Straight Knives	GW-8490	\$185.00	GW-9490	\$165.00	GW-9490X	\$165.00	
Wadkin Grinders	8"	2mm	1.25"	1mm Radius	GW-8308	\$159.00	GW-9308	\$144.00	GW-9308X	\$144.00
		3mm	1.25"	1.5mm Radius	GW-8310	\$165.00	GW-9310	\$155.00	GW-9310X	\$155.00
				Square Top	GW-8315	\$165.00	GW-9316	\$155.00	GW-9316X	\$155.00
		4.7mm	1.25"	With Radius	GW-8500	\$198.00	GW-9502	\$189.00	GW-9502X	\$189.00
				Square Top	GW-8505	\$198.00	GW-9506	\$189.00	GW-9506X	\$189.00
Foley, United, Nielsen, & Western Grinders	8"	1/16"	1.25"	.032" Radius	GW-8600	\$149.00	GW-9602	\$139.00	GW-9602X	\$139.00
				Square Top	GW-8605	\$149.00	GW-9606	\$139.00	GW-9606X	\$139.00
		1/8"	1.25"	.062" Radius	GW-8610	\$165.00	GW-9612	\$155.00	GW-9612X	\$155.00
				Square Top	GW-8615	\$165.00	GW-9616	\$155.00	GW-9616X	\$155.00
	1/4"	1.25"	Straight Knives Square Top	GW-8690	\$198.00	GW-9695	\$175.00	GW-9695X	\$175.00	
	10"	1/16"	1.25"	Radius Top	GW-8700	\$228.00	GW-9703	\$208.00	GW-9703X	\$208.00
				Square Top	GW-8705	\$228.00	GW-9706	\$208.00	GW-9706X	\$208.00
		1/8"	1.25"	Radius Top	GW-8710	\$260.00	GW-9716	\$229.00	GW-9716X	\$229.00
				Square Top	GW-8715	\$260.00	GW-9725	\$229.00	GW-9725X	\$229.00
		.055"	1.25"	Carbide Cut-off Wheel - SQ Top	GW-8719	\$139.00	GW-9916	\$129.00	GW-9916X	\$129.00

≤100% concentration,
R-Hardness, 5/16" bond life.
Call for quantity discounts.
Custom grit wheels allow 3-4 weeks.



3F1 (radius) 3A1(square)
Domestic Profile Grinders

1F1 (radius) 1A1(square)
European Profile Grinders

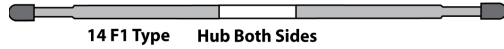
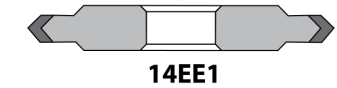
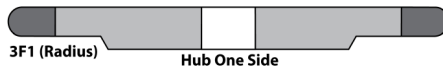
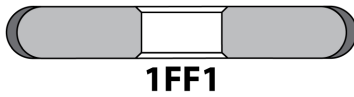
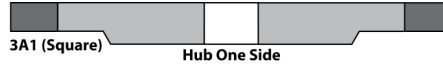
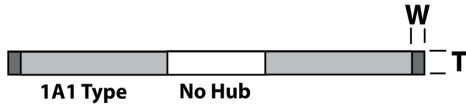
Made to order Diamond and CBN wheels.

A huge selection of custom made long wearing diamond, CDX diamond, and CBN Borazon grinding wheels including nearly 1,000 different styles and combinations of custom specs to maximize life along with grinding finish. Quick deliveries on non-standard custom made wheels. Many ship the same day from stock. Call for prices on your high consumption wheels for the lowest prices, highest quality, and consistency. Private label available.





CBN & Diamond Wheel Prices for Shapes 1, 3, 6, & 14

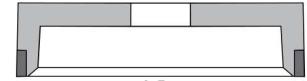
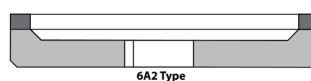


Shapes 1A1, 3A1, 14A1, 1F1, 3F1, 14F1

Shapes 1A1, 3A1, 14A1, 1F1, 3F1, 14F1

Wheel Size		Abrasive Width	Bond Depth	Diamond Price	CBN Price	
Dia.	Thick					
4"	1/8"	Choice 1/8"	1/8"	\$90.00	\$103.00	
		Choice 3/16"	1/8"	\$100.00	\$115.00	
		Choice 1/4"	1/8"	\$105.00	\$119.00	
	5/32"	Choice 1/8"	5/32"	\$95.00	\$109.00	
		Choice 3/16"	5/32"	\$105.00	\$118.00	
		Choice 1/4"	5/32"	\$111.00	\$123.00	
	3/16"	Choice 1/8"	3/16"	\$100.00	\$115.00	
		Choice 3/16"	3/16"	\$111.00	\$123.00	
		Choice 1/4"	3/16"	\$116.00	\$127.00	
	1/4"	Choice 1/8"	1/4"	\$105.00	\$119.00	
		Choice 3/16"	1/4"	\$116.00	\$127.00	
	4.5"	1/8"	Choice 1/8"	1/8"	\$100.00	\$114.00
Choice 3/16"			1/8"	\$111.00	\$122.00	
Choice 1/4"			1/8"	\$117.00	\$128.00	
3/16"		Choice 1/8"	3/16"	\$111.00	\$127.00	
		Choice 3/16"	3/16"	\$116.00	\$134.00	
		Choice 1/4"	3/16"	\$122.00	\$143.00	
1/4"		Choice 1/8"	1/4"	\$116.00	\$128.00	
		Choice 3/16"	1/4"	\$122.00	\$143.00	
		Choice 1/4"	1/4"	\$130.00	\$151.00	
5"		1/8"	Choice 1/8"	1/8"	\$111.00	\$123.00
			Choice 3/16"	1/8"	\$118.00	\$135.00
			Choice 1/4"	1/8"	\$126.00	\$143.00
	3/16"	Choice 1/8"	3/16"	\$118.00	\$135.00	
		Choice 3/16"	3/16"	\$126.00	\$143.00	
6"	1/8"	Choice 1/8"	1/8"	\$123.00	\$139.00	
		Choice 3/16"	1/8"	\$130.00	\$147.00	
		Choice 1/4"	1/8"	\$138.00	\$155.00	
	3/16"	Choice 1/8"	3/16"	\$130.00	\$147.00	
		Choice 3/16"	3/16"	\$138.00	\$155.00	
		Choice 1/4"	3/16"	\$146.00	\$162.00	
	1/4"	Choice 1/8"	1/4"	\$138.00	\$155.00	
		Choice 3/16"	1/4"	\$146.00	\$162.00	
		Choice 1/4"	1/4"	\$154.00	\$170.00	
	7"	1/8"	Choice 3/16"	1/8"	\$159.00	\$176.00
			Choice 1/4"	1/8"	\$167.00	\$184.00
			Choice 3/8"	1/8"	\$185.00	\$203.00
3/16"		Choice 3/16"	3/16"	\$167.00	\$184.00	
		Choice 1/4"	3/16"	\$176.00	\$194.00	
		Choice 3/8"	3/16"	\$195.00	\$211.00	
1/4"		Choice 3/16"	1/4"	\$177.00	\$195.00	
		Choice 1/4"	1/4"	\$185.00	\$203.00	
		Choice 3/8"	1/4"	\$203.00	\$222.00	

Wheel Size	Abrasive	Bond	Diamond	CBN		
Dia.	Thick	Hole	Width	Depth	Price	Price
8"	1/16"	Choice	3/16"	1/16"	\$159.00	\$176.00
		Choice	1/4"	1/16"	\$161.00	\$175.00
	1/8"	Choice	3/16"	1/8"	\$169.00	\$183.00
		Choice	1/4"	1/8"	\$175.00	\$185.00
		Choice	3/8"	1/8"	\$186.00	\$199.00
	3/16"	Choice	1/8"	3/16"	\$185.00	\$192.00
		Choice	1/4"	3/16"	\$186.00	\$199.00
		Choice	3/8"	3/16"	\$200.00	\$212.00
	1/4"	Choice	3/16"	1/4"	\$195.00	\$202.00
		Choice	1/4"	1/4"	\$200.00	\$212.00
		Choice	3/8"	1/4"	\$210.00	\$227.00
	3/8"	Choice	3/8"	3/8"	\$229.00	\$254.00
10"	1/8"	Choice	3/16"	1/8"	\$240.00	\$255.00
		Choice	1/4"	1/8"	\$251.00	\$271.00
		Choice	3/8"	1/8"	\$275.00	\$301.00
	3/16"	Choice	3/16"	3/16"	\$251.00	\$271.00
		Choice	1/4"	3/16"	\$263.00	\$285.00
	1/4"	Choice	3/8"	3/16"	\$300.00	\$328.00
		Choice	3/16"	1/4"	\$263.00	\$285.00
		Choice	1/4"	1/4"	\$275.00	\$301.00
	3/8"	Choice	3/8"	1/4"	\$319.00	\$355.00
		Choice	1/8"	3/8"	\$287.00	\$315.00
		Choice	1/4"	3/8"	\$319.00	\$355.00
	Choice	3/8"	3/8"	\$365.00	\$389.00	

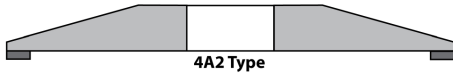
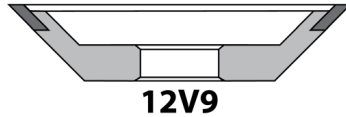


Shapes 6A9, 6A2 - Top / Facing

Wheel Size	Abrasive	Bond	Diamond	CBN		
Dia.	Thick	Hole	Width	Depth	Price	Price
4"	3/4"	Choice	1/8"	1/8"	\$118.00	\$136.00
				3/16"	\$125.00	\$143.00
	3/4"	Choice	1/8"	1/4"	\$131.00	\$151.00
				3/8"	\$138.00	\$159.00
5"	3/4"	Choice	1/8"	1/8"	\$132.00	\$151.00
				3/16"	\$138.00	\$159.00
	3/4"	Choice	1/8"	1/4"	\$146.00	\$167.00
				3/8"	\$153.00	\$176.00
5"	3/4"	Choice	3/16"	1/8"	\$146.00	\$167.00
				3/16"	\$153.00	\$176.00
				1/4"	\$161.00	\$186.00
Choice	3/8"	\$170.00	\$195.00			

Custom made wheels can be made in 1 to 3 weeks. Call for larger quantity discount prices. Dual and Triple grit bonded wheels offered on request.

CBN & Diamond Wheel Prices for Shapes 4, 11, 12, & 15

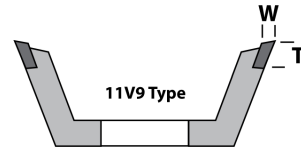


Shapes 4A2, 4A2TR - Saw / Facing

Wheel Size			Abrasive Width	Bond Depth	Diamond Price	CBN Price			
Dia.	Thick	Hole							
4"	3/8"	Choice	1/8"	1/16"	\$90.00	\$103.00			
				1/8"	\$94.00	\$109.00			
			3/16"	1/16"	\$95.00	\$111.00			
				1/8"	\$102.00	\$115.00			
			1/4"	1/16"	\$102.00	\$115.00			
				1/8"	\$104.00	\$119.00			
4.5"	3/8"	Choice	1/8"	1/16"	\$99.00	\$113.00			
				1/8"	\$102.00	\$118.00			
			3/16"	1/16"	\$102.00	\$118.00			
				1/8"	\$108.00	\$119.00			
4.75"	3/8"	Choice	1/8"	1/16"	\$101.00	\$114.00			
				1/8"	\$103.00	\$119.00			
			3/16"	1/16"	\$103.00	\$119.00			
				1/8"	\$109.00	\$121.00			
5"	3/8"	Choice	1/8"	1/16"	\$108.00	\$119.00			
				1/8"	\$111.00	\$125.00			
			3/16"	1/16"	\$111.00	\$125.00			
				1/8"	\$117.00	\$129.00			
			6"	3/8"	Choice	1/8"	1/16"	\$111.00	\$125.00
							1/8"	\$118.00	\$129.00
3/16"	1/16"	\$118.00				\$129.00			
	1/8"	\$119.00				\$132.00			
1/4"	1/16"	\$119.00				\$132.00			
	1/8"	\$128.00				\$141.00			
7"	3/8"	Choice	3/8"	1/16"	\$148.00	\$170.00			
				1/8"	\$156.00	\$178.00			
			3/16"	1/16"	\$148.00	\$170.00			
				1/8"	\$156.00	\$178.00			
8"	3/8"	Choice	1/4"	1/16"	\$156.00	\$178.00			
				1/8"	\$164.00	\$188.00			
			3/8"	1/16"	\$164.00	\$188.00			
				1/8"	\$172.00	\$198.00			
			3/16"	1/16"	\$164.00	\$188.00			
				1/8"	\$172.00	\$198.00			
10"	3/8"	Choice	3/8"	1/16"	\$191.00	\$220.00			
				1/8"	\$201.00	\$231.00			
			3/16"	1/16"	\$112.00	\$244.00			
				1/8"	\$223.00	\$256.00			
			1/4"	1/16"	\$212.00	\$244.00			
				1/8"	\$223.00	\$256.00			
3/8"	1/16"	\$223.00	\$256.00						
	1/8"	\$235.00	\$207.00						

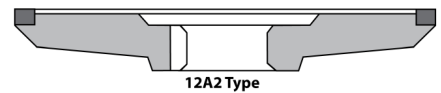
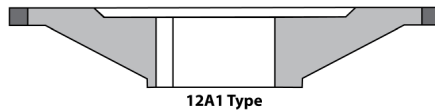
Shapes 15A2, 12A2 - Saw / Top / Facing

Wheel Size			Abrasive Width	Bond Depth	Diamond Price	CBN Price
Dia.	Thick	Hole				
6"	5/8"	Choice	3/16"	1/16"	\$154.00	\$178.00
				1/8"	\$163.00	\$187.00
			1/4"	1/16"	\$163.00	\$187.00
				1/8"	\$171.00	\$197.00
7"	5/8"	Choice	3/16"	1/16"	\$178.00	\$206.00
				1/8"	\$188.00	\$216.00
			1/4"	1/16"	\$188.00	\$216.00
				1/8"	\$198.00	\$228.00
8"	5/8"	Choice	3/16"	1/16"	\$198.00	\$228.00
				1/8"	\$208.00	\$240.00
			1/4"	1/16"	\$208.00	\$240.00
				1/8"	\$219.00	\$252.00



Shapes 11V9 - Cup Wheel - Bell, Bits

Wheel Size			Abrasive Width	Bond Depth	Diamond Price	CBN Price
Dia.	Thick	Hole				
3.75"	1.5"	Choice	1/16"	3/8"	\$132.00	\$144.00
			1/8"	3/8"	\$141.00	\$160.00
4.5"	5/16"	Choice	1/8"	1/8"	\$101.00	\$114.00
5"	1.75"	Choice	1/16"	1/2"	\$169.00	\$186.00
			1/8"	1/2"	\$183.00	\$208.00
6"	1/4"	Choice	3/16"	1/16"	\$107.00	\$119.00



Shapes 12A1, 12A2 - Side Grind

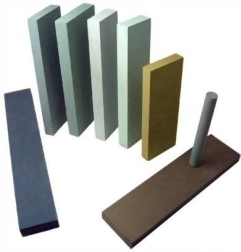
Wheel Size			Abrasive Width	Bond Depth	Diamond Price	CBN Price
Dia.	Thick	Hole				
4"	9/16"	Choice	1/8"	1/8"	\$99.00	\$114.00
				5/32"	\$105.00	\$122.00
				3/16"	\$110.00	\$127.00
				1/4"	\$116.00	\$134.00
4"	9/16"	Choice	3/16"	1/8"	\$110.00	\$127.00
				5/32"	\$116.00	\$134.00
				3/16"	\$122.00	\$141.00
				1/4"	\$129.00	\$148.00
4"	9/16"	Choice	1/4"	1/8"	\$116.00	\$134.00
				3/16"	\$122.00	\$141.00
				1/4"	\$129.00	\$148.00
				3/8"	\$136.00	\$156.00



Pattern & Surfacing Jointing Stones



Fine European and American made pattern jointing stones for most high speed moulders and planers. A huge inventory of popular stones in stock, for quick delivery, along with many special application stones. Quality stones made by **Norton, Pacific, Tyrolit** and **Atlantic Abrasives**. Hard to find wide, long, round stones and Diamond / CBN stones for jointing carbide or ceramic knives are also available.



Resin Stones:
Best Finish Quality.
React Harder.

Vitrified Stones:
Cooler Honing.
More Aggressive.



	Length	Width	Thick	Grit	Color	Description / Grade	Part #	Price
Fine Grit Stones Weinig Moulders	230mm	60mm	15mm	600	Green	SC9600-G9REDM - Resin Bond USA Version	JS-0095-U	\$25.33
				600	Green	SC9600-G9REDM - Resin Bond	JS-0095-E	\$30.88
				600	Green	SC9600-G9REDM Atlantic Resin Bond	JS-0095	\$37.59
				600	Blue-Grey	SC9600075-VUC8 - Vitrified Bond	JS-0370	\$28.74
				500	Dark Brown	SC5AC500 Euro-Stone Resin Bond	JS-2121	\$22.94
				400	Green	SC9400-02-150VUK149 Vitrified Bond	JS-0198A-T	\$28.98
	160mm	60mm	15mm	600	Green	SC9 600-G9REDM - Resin Bond - USA Version	JS-0188-U	\$18.00
				600	Green	SC9 600-G9REDM Atlantic Resin Bond	JS-0188	\$23.47
Domestic Stones	8"	2"	3/4"	600	Blue-Grey	SCG600HZ1 Norton Optional Wax Treated	JS-0208-3T	\$35.18
	8"	2"	3/4"	240	Blue-Grey	* 39C240-J,K,L,M; NV Norton (Specify Hardness)	JS-0500	\$16.41
	8"	2-1/2"	5/8"	240	Black	* 75C240HVS Carbide Jointing	JS-0507a	\$17.59
Big & Tall	12"	2"	3/4"	240	Blue-Grey	39C240LV Norton	JS-0530	\$33.00
	8"	3"	3/4"	240	Blue-Grey	39C240 KV Deep Profiles	JS-0500-3T	\$26.47
	300mm	60mm	15mm	600	Green	SC9 600-G9 Resin Wide Profiles - USA Version	JS-0680-U	\$32.67
	300mm	60mm	15mm	600	Green	SC9 600-G9 Atlantic Resin Wide Profiles	JS-0680	\$45.00
	230mm	85mm	15mm	600	Green	SC9 600-G9 RE DM Resin - Deep Profiles - USA Ver.	JS-0688-U	\$38.67
	230mm	85mm	15mm	600	Green	SC9 600-G9 RE DM Atlantic Resin - Deep Profiles	JS-0688	\$54.00
Straight Jointing	228mm	60mm	17mm	600	Dark Brown	NCD1200 Diamond Stone - Extra Hard for Carbide	JS-0701	\$30.45
	12mm Round			320	Blue-Grey	12mm x 1-1/2" long - Weinig Slide Jointer	JS-0801	\$3.25
	12mm OD	38mm	120	Dark Brown (Red Holder)		CBN Stone Brass Plug Holder Option	JS-0700	\$98.00
	12mm OD	38mm	120	Dark Brown (Blue Holder)		Diamond Stone Brass Plug Holder Option	JS-0700-D	\$98.00

* Stones for both Domestic & Weinig

Metric size fine grit, soft stones are for Weinig, Wadkin, & Leadermac moulders. Coarser, Hard stones are for Mattison, Diehl, Tri-State, and other American moulders.



Fine grit stones offer a smoother finish while coarse grit stones wear longer and are aggressive.

	Thick	Color	Grit	Hardness	Grade	Part #	Price
Planer Stones 4" Long x 3/4" Wide	5/16"	White	80	J	38A80-JVBE	JS-7531-W80J	\$4.95
		Orange	60	K	38A60-KV	JS-7531-O60K	\$4.95
		Orange	80	J	38A80-JV	JS-7531-O80J	\$4.95
		Orange	80	K	38A80-KV	JS-7531-O80K	\$4.95
		Orange	80	L	38A80-LV	JS-7531-O80L	\$4.95
	3/8"	White	80	L	38A80-LVBE	JS-7537-W80L	\$5.29
		Grey	60	L	32A60-LVBE	JS-7537-G60L	\$5.29
		Orange	80	J	38A80-JV	JS-7537-O80J	\$5.29
		Orange	80	K	38A80-KV	JS-7537-O80K	\$5.29
		Orange	80	L	38A80-LV	JS-7537-O80L	\$5.29
	1/2"	White	80	J	38A80-JVBE	JS-7550-W80J	\$5.82
		Grey	60	L	32A60-LVBE	JS-7550-G60L	\$5.82
		Orange	80	H	38A80-HV	JS-7550-O80H	\$5.82
		Orange	80	K	38A80-KV	JS-7550-O80K	\$5.82
		Orange	80	N	38A80-NV	JS-7550-O80N	\$5.82
		Orange	120	J	38A120-JV	JS-7550-O120J	\$5.82
	3/4"	White	80	L	38A80-LVBE	JS-7575-W80L	\$5.82
		Grey	60	L	32A60-LVBE	JS-7575-G60L	\$5.82
		Grey	80	L	32A80-LVBE	JS-7575-G80L	\$5.82
		Orange	80	H	38A80-HV	JS-7575-O80H	\$5.82
Orange		80	J	38A80-JV	JS-7575-O80J	\$5.82	
Orange		80	L	38A80-LV	JS-7575-O80L	\$5.82	

Cut-Off / Bench Grinding Wheels, Stone Files & Slip Stones



Cut Knife steel, Shape Jointing Stones, and Template Steel.

Cut-Off Grinding Wheels					
Dia.	Thick	Inner Dia.	Type / Description	Part #	Price
8"	1/16"	1-1/4"	Reinforced Cut-Off	GW-202	\$11.53
10"	1/16"	1-1/4"	Reinforced Cut-Off	GW-204	\$13.58
12"	1/16"	1-1/4"	Reinforced Cut-Off	GW-206	\$15.68
10"	1/16"	5/8"	Reinforced Cut-Off / Fast Cutting	GW-101	\$13.58
10"	3/32"	5/8"	Stone & Template Shaping	GW-105	\$13.58
10"	1/8"	5/8"	Stone & Template Shaping	GW-108	\$13.58



Bench Wheels for hand grinding knives, shaping stones, or for deburring & balancing knives.

Bench Grinding Wheels for Hand Grinding Knives & Jointing Stones					Alum. Oxide Price
Wheel Size					Call
Dia.	Thick	ID	Grit	Hardness	
8"	1/4"	1-1/4"	60,80	I-J	
8"	1/2"	1-1/4"	46,60,80	H-K	
10"	1"	1-1/4"	36,46,60,80	H-M	
12"	1/4"	1-1/4"	46,60 (Pink)	I-K	



Rondor

JS-SMSS44

Tapered Slip Stones, Wheel Dressers, Cleaning Sticks, Diamond Files

Description	Part #	Price
Fine Grit Slip Stone - 4.5" x 1.75" x 1/2" - Tapers to 3/16"	JS-SFSS44	\$8.50
Medium Grit Slip Stone - 4.5" x 1.75" x 1/2" - Tapers to 3/16"	JS-SMSS44	\$8.50
Coarse Grit Slip Stone - 4.5" x 1.75" x 1/2" - Tapers to 3/16"	JS-SCSS44	\$8.50
Aggressive Wheel Dressing Brick - 1" x 1" x 6" Long	JS-DAS24	\$6.00
CBN & Diamond Wheel Cleaning Sticks	JS-SC220	\$6.00
German Taper Dresser Wheel 1-3/8" OD x 1-3/8" Tall w/ 6mm Threads	JS-DRONDOR	\$17.00
Desmond #0 Steel Dresser - 1/1/4" OD x .426" Thick x 1/4" Inner Dia. (Sold in Boxes of 10 Each)	JS-DDESMOND	\$21.00 (10 Pack)
Wheel Holders for Desmond Dresser	JS-DDH	\$22.00

Tapered Slip Stones are used to remove grinding burrs after profile grinding or for removing nicks on non-jointed moulders. Call for more items and sizes not listed.



Scales, Grinding Coolants and Cutterhead Cleaner

Call us for all your grinding room supplies. We offer great prices on all of the items you use everyday. We provide a one call supply source on all the items you need. Below are just some of the items tried and tested over the years to help many millwork operations. Call for items not listed.

Balance Scales



Digital balance scale make it quick and easy to cross balance knives and cutter head parts.



O'Haus Harvard 1450-SD

We offer close tolerance digital weight scales, trip, & triple beam balancers for cross balancing knives and head parts to within 0.1 grams. Scales are helpful in eliminating joint or material finishing problems created from improper balancing. Save your machine spindle bearings by balancing your knives. Standard scales for balancing knives, gibs, bolts & screws, and other critical components.

Balance Scales			
Model #	Max. Weight	Accuracy	Price
NV2101 - Digital	2,100 Grams	0.1 Grams	\$369.00
SP6000 - Digital	6,000 Grams	1.0 Grams	\$310.00
1450-SD Harvard Trip	2,000 Grams	0.1 Grams	\$249.00

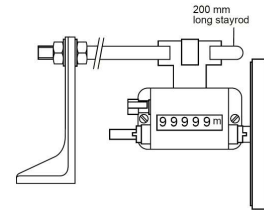
Call for prices on other scales.

2000 grams = 4.4 lbs. 1 Gram = weight of dollar bill.

Lineal Footage Counter for Moulders



Don't waste time counting stock for billing or inventory - Measure it! We offer the "TruMeter" heavy duty lineal material footage counter. Several models are offered - note if you mount to "in feed" or on the "out feed" fence side. Standard units count to 99,999 ft. These counters offer the best choice in accuracy and long term reliability.



Complete units sell for \$ 586.00 ea.
Out feed Mounting Part # - 2400-2-33FG
In feed Mounting Part # - 2400-2-33FC

Grinding Coolants & Bed Lubes



A safe to use, heavy duty synthetic grinding coolant for profile grinders, face grinders, and straight knife grinders. Our diverse line of coolants work very well when grinding hardened tool steels and carbide by reducing heat, inhibiting rust, reducing cobalt leaching, & reducing wheel loading. Our coolants are concentrated and mix 40:1 with water. We also offer a special additive that improves grinding finishes and extends diamond wheel life.

Grind Kool
\$23.88 / 1 Gallon

ACI Carbide Coolant 4935
\$39.95 / 1 Gallon

Kool Mist # 77
Grinding Coolant
\$44.50 / 1 Gallon

Bed Lube 220 - Clear
\$31.50 / 1 Gallon
\$163.80 / 6 Gallon Pail

Saw Blade & Cutterhead Cleaner



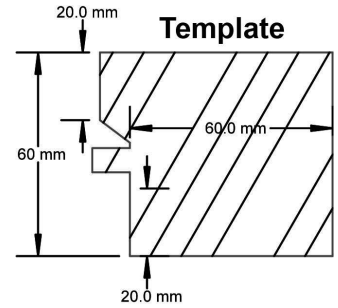
We offer a proven saw and cutter head cleaning solution and rust inhibitor that is effective at removing pitch and resin. "Blade Clean" is safe to use in your existing soak tanks, providing a non-toxic yet very effective alternative to harsh paint & rust strippers. "Blade Clean" has been proven safe to use with Hydro-locking cutter heads. Concentrate is diluted with 5 parts water. Blade Clean can also be used to clean glue & machine parts. We also sell ultrasonic & heated soak tanks. Caustic to Aluminum.

Blade Clean Concentrate
1 Gallon \$19.44
6 Gallon Pail \$96.00
(Makes 30 Gallons of Cleaner)

Made to Order Templates and Template Supplies

Made to Order Templates Plastic or Steel

Short of time? Let us help by making your profile grinder templates. Send us your drawing or pattern number and we can ship most templates the next day. Acrylic Plastic templates normally cost \$35.00 each. Steel templates and wood checking gages are also offered at an affordable price for longer template wear life.



Template Steel Stock

We have available template making steel, or ready to use pre-made custom profile grinding templates from hardened steel. Q.C. checking gages and jointing stone grinding templates can also be made to improve product consistency. Fax or e-mail your profile for a quote. Hard steel templates offer great strength & 10 times longer wear life over plastic. Too busy? We can make steel templates quick.

Template Steel Stock					
Thick	Width	Length	Description	Part #	Price
1/16"	3"	24"	Blued Rolled Edge / 50 Rc Hardened	TS-06324	\$15.00
	4"	36"	Blued Rolled Edge / 50 Rc Hardened	TS-06436	\$28.00
1/8"	3"	36"	Square Edge D2 / 58 Rc Hardened	TS-12336	\$57.00
Carbide Scribe Point Tool to scratch in profile				TS-S10	\$12.95
Dykem Blue Layout Template Dye - 8 oz. Bottle				TS-12D	\$10.85



Precision Measuring Tools and Gages

We also sell inspection and measuring equipment like eye loops, certified straight edges, hook rules, precision machinist squares, radius gage sets, shim steel, music wire, micrometers, and much more.



Straight Edge for Moulder Heads / Pressure Shoes #A-PT-SE \$37.80

6" Starrett Pocket Slide Calipers #1020 \$235.00 ea.

6" Digital Calipers (.0005"), SS # AP1 \$49.00 ea.

12" Digital Calipers (.0005"), SS # AP2 \$69.00 ea.

Radius Gage Set #AP15 \$69.00 / Set



Professional quality calipers are also available. Call.

Complete Tool Room Supplies

We offer nearly anything you would need to make precision moulder knives and steel templates. Our list of support supplies includes measuring gages, calipers, files, stones, and much more. A full line of industrial supplies; from cut proof gloves to lay-out dye, and from straight edges to a full line of safety supplies to protect your eyes and lungs when grinding. Call for any specific items, we will fine what you need.

Files help shape your jointing stones to profile. Standard high quality files are offered plus we have a line of Diamond Electroplated long wearing files. Diamond files come in 3 sizes and many shapes all coated with ~ 200 grit diamond that never seems to wears out. Call for prices and details on the size you prefer.

Diamond Electroplated 5 Piece Needle Set for Fine Details FD-69989 \$25.00



**Model # JC-312
Profile Grinder**


Precision wood profiles require a precision profile grinder:

Lease to Own!
\$350.00 mo.

**JC-312
Profile grinder
\$19,850.00**

FOB Portland, OR.

Installation & training can also be provided at your mill site.



Centering gage



Additional arbor Mandrels are only \$550.00 ea.



Precision cross roller bearings are used.



We stock grinding wheel hubs and other spare wear parts.

Specifications	
Grinding Capacity	Cutters 12" Long x 12" Diameter
Work Table (Max.)	Left to Right 12.6" Travel
Back-Front	5" of Travel In / Out
Grinding Wheel Size (Standard)	225 Diameter x 60mm Bore
Optional Grinding Wheel Size	10" Diameter x 1.25" Bore
Side Clearance Tilt	5°, 10°, & 15° Left & Right
Back Relief Angle Adjusts	10° to 30° Adjustable
Grinding Wheel RPM	1,720 to 2,940 RPM
Wheel Motor	2 HP Seimens TEFC (1/6 HP Coolant Pump)
Power Supply	240 Volt / 3 PH (480V Optional) Teli Electronics
Grinder Dimensions	41" L x 48" W x 54" H
Crate Size	52" L x 52" W x 62" H
Gross Weight	2,420 LBS / 2,070 LBS Net
Arbor Mandrel Diameters	1-1/4", 1-1/2", 1-13/16", 2-1/8", 40mm, etc.

17 Models of Knife & Saw Grinders Now Offered:

We offer the full line of feature rich, precision knife, cutterhead, and saw grinders. Call for details and prices.



Universal Grinder



JF-900 Planer blade / Straight knife grinders



Jeffer JC400 Fully automatic cutterhead grinder for sharpening shaper head, bevel edges on planer heads, or face grinding finger joint cutters. Full Servomotor controlled, Seimens motor, very high quality. Normal cost is \$27,000.00 for fully loaded model, FOB Portland, OR 8 week delivery time, 2,500 lbs.

Call for details, or visit www.jeffer-grinder.com.tw for machine specifications and internet video of grinders.



Moulder Knife Grinding Equipment & Spare Parts

We sell the complete line of grinders & support accessories; Profile, bench & pedestal grinders & setup stands. We can provide knife chop saws, template making equipment & optical comparators for pre-run knife inspection. In addition we provide the grinder spare parts & accessories like wheel dressers, belts, scribes and various support items to help in making moulder knives. CNC Wire EDM machines as low as \$12,000.00!



Model 230-1 Measuring Stand
Used to measure the cutter radius of profile moulder heads to pre-set the spindle digital counters for quicker setup. \$799.00



Model 22: Template Grinder
Special hand grinder with four wheels to shape templates, knives, and jointing stones. \$3,800.00



Bench Grinders and Steel Chop Saws

Call for prices and help on setting up your grinding room with the proper grinders. Carbide cutting, steel cutting, and knife balancing / deburring grinders

Profile Grinder Parts			
Profile Grinder Model	Grinding Wheel Hub	Tool Rest	Diamond Dresser *
Weinig 925	\$164.00	N/A	\$40.00
Weinig 929	\$164.00	CALL	N/A
Weinig 930	\$164.00	\$141.00	\$23.00
Weinig 931	\$164.00	\$141.00	\$23.00
Weinig 932	\$133.00	\$141.00	\$29.00
Weinig 934	\$133.00	\$141.00	\$29.00
Weinig 934N	\$164.00	\$141.00	\$27.00
Weinig 935	\$133.00	\$141.00	\$23.00
Weinig 936	\$133.00	\$141.00	\$23.00
Weinig 950	\$164.00	\$141.00	\$27.00
Weinig 960	\$133.00	\$141.00	\$27.00
Weinig 970	\$133.00	\$141.00	\$27.00
Nielsen / Western 130	\$175.00	CALL	\$30.00
Foley 746 (SCMI)	\$291.20	\$155.00	\$48.00
Foley 75	\$291.20	\$50.00	\$30.00
Jeffer 312	CALL	\$50.00	\$48.00
Wadkin	N/A	CALL	\$55.00
Weinig Filter Sheets	\$0.60 ea.	19" x 15"	P/N: GP-100-F

* 1/2 carat tips above. Call for multi-point price.

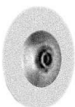


Weinig Diamond Dressers in multi-point cluster style: \$58.00 smooth shank \$60.00 threaded shank.

Call for prices and details on items not listed such as profile grinder drive belts, filter socks, and spare parts.



Weinig Tool Rest - 2pc. Replacement Tooth = \$54.50 ea. Weinig Complete Tool Rest = \$141.00



Weinig Wheel Hubs are 140 mm Diam. - smaller diam. offered. (Weinig 931 are with taper bore & keyway & 934N type are hydro-style smooth bore).



Jeffer Turret Tracing Pin

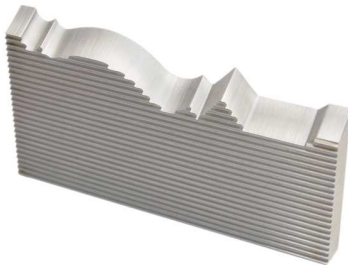
Made from Hardened Alloy Steel for long wear life.

Stylus & Tracing Pins		
Description	Part #	Price
Weinig - 1mm Semi-Circular	GP-100-T1S	\$30.00
Weinig - 1.5mm Semi-Circular	GP-100-T1.5S	\$30.00
Weinig - 2mm Semi-Circular	GP-100-T2S	\$30.00
Weinig - 3mm Semi-Circular	GP-100-T3S	\$30.00
Weinig - 4mm Semi-Circular	GP-100-T4S	\$30.00
Weinig - 5mm Semi-Circular	GP-100-T5S	\$51.00
Weinig - 2mm / 3mm Round	GP-100-T23R	\$37.00
Weinig - 4mm Round	GP-100-T4R	\$30.00
Weinig - 5mm Round	GP-100-T5R	\$30.00
Weinig - 4mm - 45 Deg. Pt.	GP-100-T45D	\$44.00
Jeffer Model 312 Grinders' Pins are the same as Weinig.		
Western / Foley* / Nielsen - 1/16"		\$35.00
Western / Foley* / Nielsen - 1/8"		\$35.00
Western / Foley* / Nielsen - 3/16"		\$35.00
Western / Foley* / Nielsen - 1/4" Rd.		\$35.00
*Older Foley Model 75-12 only.		
Foley 746 / SCMI - 1/16" Radius		\$46.00
Foley 746 / SCMI - 1/8" Radius		\$46.00
Foley 746 / SCMI - 3/16" Radius		\$46.00
Foley 746 / SCMI - 1/4" Radius		\$46.00
Foley 746 / SCMI - 1/8" Square		\$46.00
Wadkin - 4.7mm Semi-Circular		\$44.00
Wadkin - 3mm Semi-Circular		\$44.00
Wadkin - 2mm Semi-Circular		\$44.00
Weinig 925, 950 Tracing Pins with Threaded Base		\$58.00



Profined Moulder Knives - 60° Corg. Back Knives

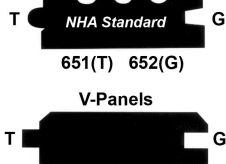
Don't have a grinder, or grinderman? No problem! We can supply precision profined ready to run moulder knives & grinding templates from stock or within 3 days on custom profiles. Prices are based on the overall length of the finished knife and include the steel and grinding labor. You must purchase a steel template on custom profiles. You are not required to purchase a resharpening template on standard profiles. Return template with knives that require resharpening. All Moulder knives are made 3/4" over the wood size (3/8" on each side for strength). Knives are End Ground square for easy axial adjusting in your corrugated heads (no gages needed to setup heads). Knives can also be sharpened in your heads for even closer knife concentricity. A minimum setup charge applies for knives under 2" long or for orders of just one knife per profile. Please note your fence side and face up / down on fax drawings. Send samples, or fax / e-mail wood profiles drawings.



Call for price discounts on multi-pair knife orders of the same profile and resharpening services. *Knife-Lock* and *Euro-Lock* 2pc Carbide knives are profined for \$62.00 per inch total for carbide & backer.

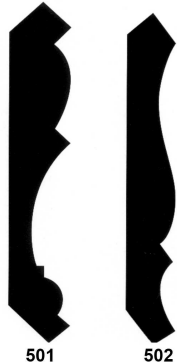
Custom Profined Corrugated Back Knives			
Knife Length (3/4" Over Wood Profile)	High Speed Steel 60° Corg. Price (Each)	Carbide (TCT) 60° Corg. Price (Each)	Steel Template Price (Each)
Price Per 1" of Length (2" Min. / 2-Knife Min.)	\$20.00 / Inch	\$48.00 / Inch	
Up To 2"	\$40.00	\$96.00	\$45.00
2-1/8" to 3-1/8"	\$62.00	\$150.00	\$55.00
3-1/4" to 4-1/4"	\$85.00	\$195.00	\$60.00
4-3/8" to 5-3/8"	\$99.00	\$245.00	\$65.00
5-1/2" to 6-1/2"	\$119.00	\$285.00	\$70.00

Flooring Knives

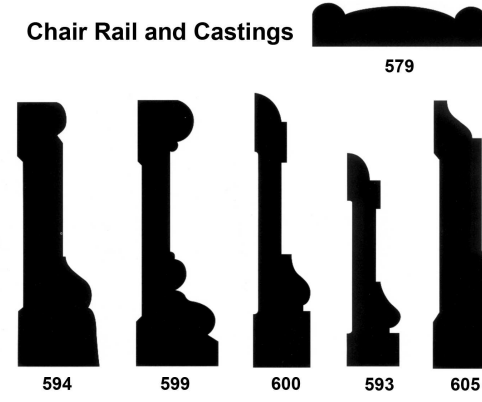


- Part No. 641T for 3/8 Tongue/Groove
- Part No. 642G for 3/8 V-Paneling
- Part No. 643T for 7/16 V-Paneling
- Part No. 644G for 7/16 V-Paneling
- Part No. 645T for 3/4 V-Paneling
- Part No. 646G for 3/4 V-Paneling
- Part No. 647T for WP-4 Standard
- Part No. 648G for WP-4 Standard

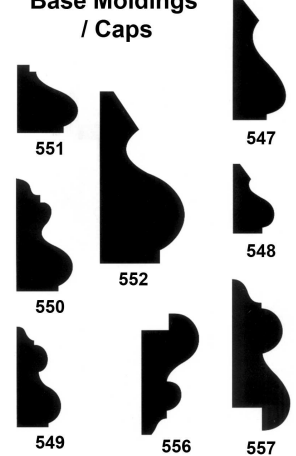
Crowns



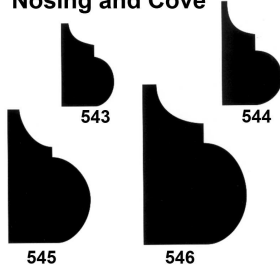
Chair Rail and Castings



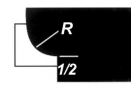
Base Mouldings / Caps



Nosing and Cove

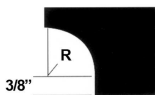


Coves



- | Radius | Part No. |
|--------|----------|
| 3/4 | 534 |
| 5/8 | 535 |
| 9/16 | 536 |
| 1/2 | 537 |
| 7/16 | 538 |
| 3/8 | 539 |

Quarter Rounds



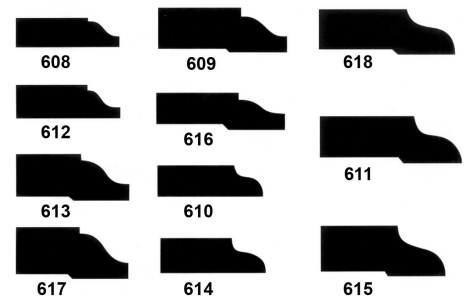
- | Radius | Part No. |
|--------|----------|
| 1-1/4 | 522 |
| 1-1/16 | 523 |
| 1 | 524 |
| 3/4 | 525 |
| 5/8 | 526 |
| 1/2 | 527 |
| 3/8 | 528 |
| 1/4 | 529 |

Bullnose Knives with Flare

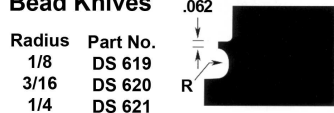


- | Radius | Part No. |
|--------|----------|
| 5/16 | 622 |
| 3/8 | 623 |
| 7/16 | 624 |
| 1/2 | 625 |
| 9/16 | 626 |
| 5/8 | 627 |
| 3/4 | 628 |
| 7/8 | 629 |

Base Mouldings and Stops



Bead Knives



- | Radius | Part No. |
|--------|----------|
| 1/8 | DS 619 |
| 3/16 | DS 620 |
| 1/4 | DS 621 |

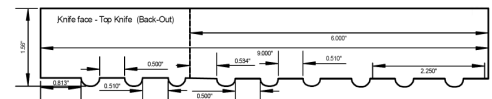
Stools



Profiles are not to scale / concepts only. A 100% scaled drawing catalog can be faxed or e-mailed to you.

Flooring Backout knife options

We offer long back out knives to cover your widest flooring size without resetting and without changing knives. Choice of Radius or Flat grooves.



Custom Tooling



Quick-Lock Terminus™ Style Planing Heads of Any Size



Stackable HD Multi-Profile Insert Heads



Quick Change Planer Head Conversions



Saw Splitter Set with Side Insert Heads



Large Planer Knife Heads with Centering Sleeve

Hybrid Cutterheads



Shear Hydro Heads



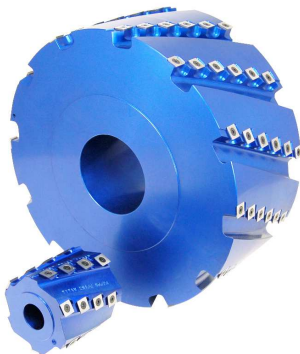
Hydro Bore Spiral Heads with End & O.D. Zerks



Spiral Heads of All Sizes with or without Shear



Spiral Heads with Keyways



V Shaped Spiral Heads

Reference Engraver & Hubbed Insert Heads

Cone Shaped Spiral Heads





Saw Blades

Alternate Top Bevel ground teeth provide a fine cut in natural woods. Works well in most applications, trimming, chopping, and cross-grain cuts.



We offer over 450 different stock saw blades for quick delivery. Made by the finest manufacturers that have proven to exceed every expectation. Blades are made with a high nickel heat treat hardened saw plate that is laser cut and polish ground for perfect flatness. Long wearing Micro-Grain carbide teeth are brazed and ground using the latest CNC robotic controlled processing line. Each blade is inspected to ensure high quality. Blades can be modified quickly to enlarge the bore size to fit your machine spindle. Additional blades are offered for your exact requirement. Call for prices and details on custom made saws that can be produced in about 3 weeks. Large quantity discounts offered.

Saw Modification	Price
Rebore - Under 2"	\$18.00 ea.
Rebore - 2" - 3"	\$20.00 ea.
Rebore - 3" +	\$25.00 ea.
Pin Hole	\$7.00 ea.
Counter-Sink Hole	\$10.00 ea.
Keyway	\$10.00 ea.



PCD Tipped saw blades will outlast carbide tipped over 100 times! Great for cutting Hardplank cement siding. Call for custom diamond saws and groovers.

Diamond Tipped Saws						
Dia.	Teeth	Kerf	Plate	Bore	Part #	Price
7-1/4"	4	0.087"	0.063"	5/8"	SPRD74	\$52.86
8"	6	0.087"	0.063"	5/8"	SPRD86	\$74.29
10"	6	0.087"	0.063"	5/8"	SPRD106	\$76.43
12"	8	0.087"	0.063"	1"	SPRD128	\$98.57
12"	12	0.087"	0.063"	1"	SPRD1212	\$148.57

ATB General Saws							
Dia.	Teeth	Kerf	Plate	Bore	Hook	Part #	Price
7-1/4"	24	.110"	.079"	5/8"	20	SB-RS72524	\$47.14
	40	.110"	.079"	5/8"	10	SB-GA72540	\$52.14
	60	.110"	.079"	5/8"	10	SB-GA72560	\$58.57
8"	40	.118"	.079"	5/8"	10	SB-GA840	\$52.14
	60	.118"	.079"	5/8"	10	SB-GA860	\$64.29
9"	40	.126"	.087"	5/8"	10	SB-GA940	\$58.57
	60	.126"	.087"	5/8"	10	SB-GA960	\$64.29
10"	40	.126"	.087"	5/8"	10	SB-GA1040	\$43.57
	40	.126"	.087"	5/8"	10	SB-GAL1040	\$52.86
	60	.126"	.087"	5/8"	10	SB-GA1060	\$44.29
	60	.126"	.087"	5/8"	10	SB-GAM1060	\$54.29
	60	.126"	.087"	5/8"	10	SB-GAL1060	\$64.29
	80	.126"	.087"	5/8"	10	SB-GA1080	\$56.43
	80	.126"	.087"	5/8"	10	SB-GAM1080	\$64.29
80	.126"	.087"	5/8"	10	SB-GAL1080	\$64.29	
250mm	60	3.2mm	2.2mm	30mm / 2 PH	10	SB-GAM2503060	\$48.57
300mm	72	3.2mm	2.2mm	30mm/2+2 PH	10	SB-GAM3003072	\$70.71
	96	3.2mm	2.2mm	30mm/2+2 PH	10	SB-GAM3003096	\$80.71
12"	48	.134"	.094"	1"	10	SB-GA1248	\$64.29
	60	.134"	.094"	1"	10	SB-GA1260	\$59.29
	80	.134"	.094"	1"	10	SB-GA1280	\$72.14
	80	.134"	.094"	5/8"	10	SB-GA1280P	\$72.14
	80	.134"	.094"	1"	10	SB-GAL1280	\$75.71
	80	.165"	.118"	1"	10	SB-GA1280CW	\$122.14
	100	.126"	.087"	1"	10	SB-TS1210	\$96.43
14"	40	.184"	.134"	1"	0	SB-GA1440	\$139.29
	60	.157"	.118"	1"	10	SB-GA1460	\$98.57
	60	.157"	.118"	1"	10	SB-GAL1460	\$101.43
	80	.157"	.118"	1"	10	SB-GA1480	\$113.57
	80	.157"	.118"	1"	10	SB-GAL1480	\$115.71
100	.157"	.118"	1"	10	SB-GA1410	\$127.86	
400mm	120	4.6mm	3.4mm	30mm	10	SB-GA4003012	\$148.57
16"	40	.185"	.134"	1"	10	SB-GA1640	\$136.43
	60	.165"	.126"	1"	10	SB-GA1660	\$130.00
	80	.165"	.126"	1"	10	SB-GA1680	\$136.43
	100	.165"	.126"	1"	10	SB-GA1610	\$152.86



Triple Chip Ground saws provide a stronger tooth for greater life. Also for use in cutting both natural and composite woods like plywood and MDF.

TCG Triple Chip General Purpose Saws							
Dia.	Teeth	Kerf	Plate	Bore	Hook	Part #	Price
7-1/4"	40	.110"	.079"	5/8"	10	SB-GT740	\$52.14
	60	.110"	.079"	5/8"	10	SB-GT760	\$60.71
8"	40	.118"	.079"	5/8"	10	SB-GT840	\$54.29
	60	.118"	.079"	5/8"	10	SB-GT860	\$67.86
220mm	64	3.2mm	2.2mm	30mm/2 PH	10	SB-GTM22064	\$70.71
10"	40	.126"	.087"	5/8"	10	SB-GT1040	\$43.57
	60	.126"	.087"	5/8"	10	SB-GT1060	\$44.29
	60	.126"	.087"	5/8"	10	SB-GTL1060	\$54.29
	80	.126"	.087"	5/8"	10	SB-GT1080	\$56.43
	80	.126"	.087"	5/8"	10	SB-GTL1080	\$64.29
	80	.126"	.087"	5/8"	-5	SB-LM1080TCG	\$75.71
100	.126"	.087"	5/8"	10	SB-GT1010	\$107.14	
250mm	60	3.2mm	2.2mm	30mm/2 PH	10	SB-GTM2503060	\$48.57
300mm	72	3.2mm	2.2mm	30mm/2+2 PH	10	SB-GTM3003072	\$72.86
	96	3.2mm	2.2mm	30mm/2+2 PH	10	SB-GTM3003096	\$80.71
12"	48	.134"	.094"	1"	10	SB-GT1248	\$65.71
	60	.134"	.094"	1"	10	SB-GT1260	\$59.29
	72	.134"	.094"	1"	10	SB-GTM1272	\$80.71
	80	.134"	.094"	1"	10	SB-GT1280	\$73.57
	96	.142"	.102"	1"	10	SB-GTM1296	\$106.43
350mm	80	3.5mm	2.5mm	30mm/2 PH	10	SB-GTM3503080	\$74.29
14"	54	.138"	.094"	1"	10	SB-GTM1454	\$83.57
	60	.157"	.118"	1"	10	SB-GT1460	\$104.29
	80	.157"	.118"	1"	10	SB-GT1480	\$117.14
	100	.157"	.118"	1"	10	SB-GT1410	\$136.43



Ripping of solid woods for high production. Blades can ship from inventory or rebores to fit your spindle in days. All are 20 degree hook. Call for other sizes.

RIP FTG & TCG Saws							
Dia.	Teeth	Design	Kerf	Plate	Bore	Part #	Price
8	24	FTG	0.118"	0.087"	5/8"	SB-RF824	\$48.57
9	24	FTG	0.126"	0.087"	5/8"	SB-RF924	\$50.00
10	10	FTG	0.145"	0.102"	5/8"	SB-RF101	\$40.00
	24	FTG	0.126"	0.087"	5/8"	SB-RF1024126	\$43.57
	24	FTG	0.145"	0.102"	5/8"	SB-RF1024145	\$52.86
	24	FTG	0.126"	0.087"	70mm/2 key	SB-RF1024K	\$48.57
	30	FTG	0.160"	0.118"	5/8"	SB-RF1030	\$70.71
	40	FTG	0.126"	0.087"	5/8"	SB-RF1040	\$59.29
	40	TCG	0.126"	0.087"	3"	SB-RSLH10403	\$64.29
	40	TCG	0.126"	0.087"	4-3/16"	SB-RSLH10404	\$64.29
	40	TCG	0.126"	0.087"	4.31"	SB-RSMS1040T	\$70.71
12	24	FTG	0.126"	0.087"	1"	SB-RF1224126	\$56.43
	24	FTG	0.134"	0.094"	1"	SB-RF1224134	\$61.43
	24	FTG	0.126"	0.087"	70mm/2 key	SB-RF1224K	\$56.43
	30	FTG	0.134"	0.094"	1"	SB-RF1230	\$75.00
	30	FTG	0.157"	0.118"	1"	SB-RF1230160	\$86.43
	30	FTG	0.157"	0.118"	70mm/2 key	SB-RF1230K	\$86.43
	36	FTG	0.134"	0.094"	1"	SB-RF1236134	\$80.71
	36	FTG	0.157"	0.118"	70mm	SB-RF1236K	\$88.57
	36	TCG	0.126"	0.087"	3-1/8"	SB-RSM1236TA	\$78.57
	36	FTG	0.126"	0.087"	3-1/8"	SB-RSM1236F	\$71.43
	36	TCG	0.165"	0.118"	3-1/8"	SB-RSM1236TB	\$93.57
	300mm	28	FTG	3.4mm	2.2mm	80mm/2 key	SB-RFRM30028
14	24	TCG	0.177"	0.134"	3-1/8"	SB-RSM1424T	\$114.29
	24	FTG	0.142"	0.102"	1"	SB-RF1424	\$105.71
	24	FTG	0.170"	0.118"	1"	SB-RF1424170	\$113.57
	24	FTG	0.170"	0.118"	70mm/2 key	SB-RF1424K	\$105.71
	30	FTG	0.157"	0.118"	1"	SB-RF1430	\$117.14
	36	FTG	0.157"	0.118"	1"	SB-RF1436	\$123.57
	36	FTG	0.142"	0.102"	70mm/2 key	SB-RF1436K	\$123.57
	40	FTG	0.170"	0.118"	1"	SB-RF1440	\$132.86
16	24	FTG	0.173"	0.126"	1"	SB-RF1624	\$118.57
	36	FTG	0.173"	0.126"	1"	SB-RF1636	\$131.43

These smoother cutting saws are used for edge glued stock. Special ground teeth with 0 deg. radial clearance allows these saws to cut smoother. Bores can be enlarged to fit your spindle size. Call for other sizes of GLR blades.

Glue Joint Rip Saws (GLR)							
Dia.	Teeth	Design	Kerf	Plate	Bore	Part #	Price
10"	30	Triple Chip	.125"	.087"	5/8"	SB-GJ1030125	\$60.71
	30	Triple Chip	.145"	.102"	5/8"	SB-GJ1030	\$87.14
12"	36	Triple Chip	.157"	.118"	1"	SB-GJ1236	\$88.57
	36	Triple Chip	.160"	.118"	70mm/2 key	SB-GJ1236K	\$92.14
	36	Triple Chip	.157"	.118"	3-1/8"	SB-GJM1236157	\$98.57
	50	LR LR Straight	.134"	.094"	1"	SB-GJL1250	\$117.14
300mm	36	Triple Chip	4.2mm	3.2mm	80mm/2 key	SB-GJRM30036	\$95.00
14"	36	Triple Chip	.177"	.138"	1"	SB-GJ1436177	\$115.00
	36	Alternate Top	.177"	.138"	2" / 1PH	SB-GJ1436DA	\$115.00
	36	Triple Chip	.177"	.138"	2" / 1PH	SB-GJ1436DT	\$115.00
16"	36	Triple Chip	.177"	.138"	2" / 1PH	SB-GJ1636	\$126.43
	50	Triple Chip	.197"	.138"	1"	SB-GJ1650	\$166.43

Sharpening and Saw Tips: We can sharpen your saws, rebuild blades or supply the equipment and supplies to maintain your own including saw tips, flux, wheels, etc.

The pro-line is our lowest cost saw blade for applications where resharpening is not required. Use them hard, throw it away, and put on a fresh blade. Made with the same precision equipment, but with smaller teeth and thinner plate to lower the cost. Sold in boxes of 10 blades.



Pro-Line Saws (Contractor ATB)							
Dia.	Teeth	Kerf	Plate	Bore	Box Size	Part #	Price Each
6-1/2"	20	.073"	.051"	5/8"	10	SB-PR620	\$8.93
	24	.087"	.051"	5/8"	10	SB-PR724	\$6.07
7-1/4"	40	.087"	.051"	5/8"	10	SB-PR740	\$12.14
	36	.102"	.067"	5/8"	10	SB-PR1036	\$25.00
10"	50	.110"	.078"	5/8"	10	SB-IQ1050C	\$30.00
	60	.110"	.078"	5/8"	10	SB-PR1060	\$32.86
12"	40	.118"	.079"	1"	10	SB-PR1240	\$45.71
	72	.110"	.078"	1"	10	SB-PR1272	\$47.86
	96	.110"	.078"	1"	10	SB-IQ1296A	\$55.71

Dado sets include 5 center chipper blades for a total max kerf of 13/16" wide. Buy extra for wider kerfs. Call for prices on bore enlargements and for custom made sets or insert knife style groovers.

Dado Sets						
Dia.	Teeth	Design	Kerf	Bore	Part #	Set Price
8"	24 / 2T chippers	Standard Dado Setup	0.813"	5/8"	SB-DA824	\$153.57
	40 / 8T chippers	Fine cutting Dado	0.813"	5/8"	SB-DA840	\$266.43
	40 / 8T chippers	Radial Arm Saw -2 hook	0.813"	5/8"	SB-DA840N	\$266.43
	41 / 8T chippers	Fine 8"	0.813"	1"	SB-DA840G	\$266.43
10"	42 / 8T chippers	Fine 10"	0.813"	5/8"	SB-DA104058	\$321.43
	43 / 8T chippers	Fine 10"	0.813"	1"	SB-DA1040	\$321.43

Saw Collars & Saw Spacers



We can supply the complete package of gang rip saw spacers in steel or aluminum, and custom made saw collars to fit your existing moulder, or gang rip saw. Call for price quotes.

AceCo. Precision Finger Joint Cutters

We offer a complete line of finger joint knives for cutting joint lengths from 1/8" to 1-1/2" long. Knives are offered in High Speed Steel, Carbide Tipped or Solid Carbide, and in treated M2 steel* to extend run times between re-sharpenings. All knives are precision made by AceCo. to tolerances as close as +/- one ten thousand of an inch! Below are just some of the most popular finger joint knives offered. Call for other sizes.



Joint Length	Cutter Thickness	Knife Tip	Knife Radius	AceCo. # Thin Knife / Thick	Other # Thin Knife / Thick	AceCo. Carbide Tip Thin Knife / Thick	Glue Area Per 1" Sq.
4mm	.100"	.038"	1.50"	AC16-237 / AC16-238	N/A	N/A	3.8" Sq.
5mm	.125"	.044"	1.50"	AC16-217 / AC16-218	BG-1392 / BG-1393	N/A	3.7" Sq.
1/4"	.139"	.047"	1.50"	AC16-104 / AC16-105	BG-1137 / BG-1138	AC16-1002 / AC16-1003	4.5" Sq.
3/8"	.1685"	.046"	1.50"	AC16-048 / AC16-049	BG-919 / BG-920	AC16-1004 / AC16-1005	4.7" Sq.
3/8"	.1775"	.063"	1.875"	AC16-052 / AC16-053	BG-967 / BG-968	N/A	4.8" Sq.
10mm	.140"	.045"	1.25"	AC16-154 / AC16-155	N/A	AC16-1009 / AC16-1010	5.6" Sq.
5/8"	.1685"	.044"	1.50"	AC16-190 / AC16-191	BG-1204 / BG-1205	-	7.8" Sq.
11/16"	.214"	.062"	1.875"	AC16-032 / AC16-033	BG-737 / BG-738	-	6.7" Sq.
.987"	.2225"	.031"	1.875"	AC16-028 / AC16-029	BG-824 / BG-825	AC16-1006 / AC16-1007	7.4" Sq.
1.113"	.2635"	.030"	2.125"	AC16-139 / AC16-107	BG-1101 / BG-1102	AC16-1001	8.4" Sq.
1.113"	.243"	.030"	2.375"	AC16-016 / AC16-017	BG-751 / BG-752	N/A	8.6" Sq.

Joints above in blue are the most commonly used & offer the best prices & delivery.



High Speed Steel finger joint knives are resharpened normally every 2 to 4 shifts, depending on the material density and joint length. Most knives can be resharpened several hundred times for years of grindable life. Carbide tipped knives allow you to finger joint abrasive materials like LVL, Plywood, and MDF. Finger joint knives must be properly balanced, sharpened, and posted in order to maintain a high quality finger joint. If you have any questions or problems maintaining your tooling give us a call, we offer free in-depth technical support to help.



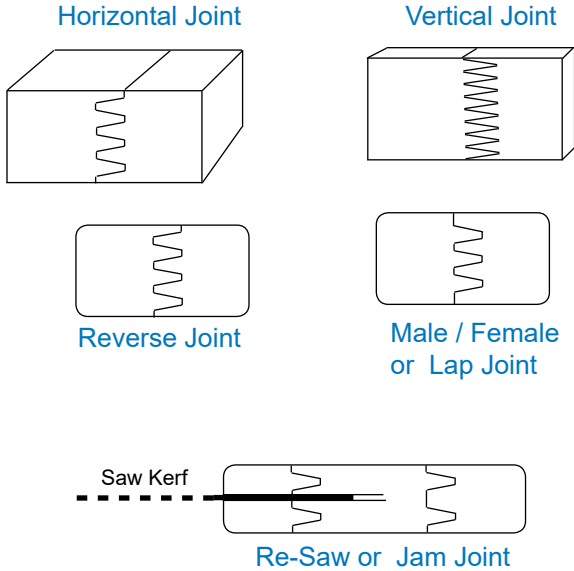
We offer a complete package of items to help you save wood fiber. Just by shortening your finger joints 1/8" you can greatly reduce tear-out and save tens of thousands of dollars per year, per machine in wood fiber. Let us show you the advantages of the latest super strong "Micro-Joints". We offer a free finger joint analysis to determine what your potential material savings are. Call us for more details.

* Knives also offered in: Flash Chrome, Case Hardened, & RW90 Diamond Coated treatments to extend life.

AceCo. Precision Finger Joint Heads

We offer AceCo. precision finger joint heads for all production finger joint machines including; IWW Industrial Woodworking, Western Pneumatics, Cader-Tech, Dimter, Grecon, Taihei, Kikukawa, Dubus, Sauter, Omega, and more. Heads from 2 to 20 knife stacks are available for production rates up to 300 blocks/min. We can supply heads with Hydro-Locking sleeves or with Cone/Collet bores for any diameter spindle. Call for JAS or AISI structural joint certification assistance.

Finger joint heads can be assembled to cut a variety of joint styles including: Reversible, Male/Female, Re-saw, and Feather Joints.



We offer a full selection of replacement parts for all your finger joint cutter heads. Most standard items can be delivered quickly; head nuts, bolts, grease fittings, washers, cones, index spacers, and more. We also supply safety lock collars, setup stands, hook grinding gages, and grease gun parts. Call for no charge advanced technical support on all finger joint tooling and joint related questions.

AceCo. 10-Post Setup stand is used for quick repositing of cutters. Offered in 2 to 20 posts.



Hook grinding gages are important to producing a perfect joint. We offer a complete selection of precision grinding templates for every finger joint knife available.



Special high pressure grease fittings are used for all hydro-locking style cutter heads. We offer both English & Metric fittings.



A MUST FOR CLOSED JOINTS. Finger joint depth gage for comparing finger lengths from shaper #1 to shaper #2. Makes trim saw adjustments quick and precise the first time.

\$97.50

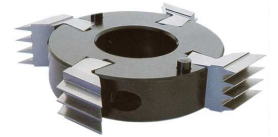
European & Japanese Finger Joint Wing Cutters

We also offer a complete selection of finger joint wing style cutter heads. Wing cutters are generally used on European and Japanese manufactured finger joint systems. We offer quick deliveries and technical support on all international joint standards. Wing cutters are offered in High Speed Steel or Carbide Tip for hardwoods. We supply wing cutters from 2 to 10 wings for feed rates up to 200 blocks/min. at 6,000 rpms.



Standard Wing Cutters

Joint Length	Pitch Thickness	Tip Thickness	Joint Type
4mm	1.6mm	.3mm	European - Millwk
9 / 12mm	3.7 - 4mm	.6mm	Japanese - Millwk
10 / 11mm	3.8mm	.6mm	European - Millwk
15 / 16mm	3.8mm	.6mm	European - Structural
20 / 21mm	6.2mm	.8mm	Hort'l - Structural



Custom Saw Style Finger Joint Cutters

Other custom joint styles are offered. Standard cutting circles are 160 mm and 250 mm. Standard bores are 50 mm & 70 mm. Bushings are available for smaller shaper spindles.



Japanese Style 2-Wing Cutters (Carbide Tipped)

Dia.	Thick	Bore	Joint Length	Price
160mm	4.0mm	70mm	12mm	\$29.00
	4.0mm	50mm	12mm	\$29.00
	9.0mm	50mm	12mm	\$57.00
	10.0mm	50mm	12mm	\$57.00

Wing cutters also offer an economical way to finger joint on a shaper or tenoner. You can recover your shop fall down or scrap blocks & produce high value finger jointed components for as little as a few hundred dollars in tooling costs.

We offer wing cutters to either produce small gaps at the ends of the joint, or closed up without a tip gap. If you are exporting your products outside North America your customers may request the tip gap option. Wing cutters provide high strength values because of their thin pitch and thin tip design.



Insert knife style wing cutters are also offered. Single inserts can be replaced at a lower cost if a tip should break off. Insert style heads offer a long term lower cost option for finger jointing on larger production machines. Call for a complete cost comparison.



Finger Joint Head Grinding & CBN Wheels



Precision grinding is essential to achieving perfect joints. Poor grinding will negate the performance of even the most precise tooling and machinery. We offer a complete selection of finger joint grinding equipment, and can help instruct your grinding room staff on the most efficient procedures in maintaining your tooling. **Written technical information is available.**

We provide several models of face grinders for sharpening finger joint cutters and other styles of heads. We can fit the proper grinder to your exact operation. We will show you how the right grinder can save you thousands of dollars in labor costs and help keep your grinding room costs to a minimum.

A precision locking work-head and knife indexing system holds the cutter head in the proper hook position when grinding. Fine grit CBN and Diamond wheels are normally used to obtain a keen cutting edge for longer tool life.

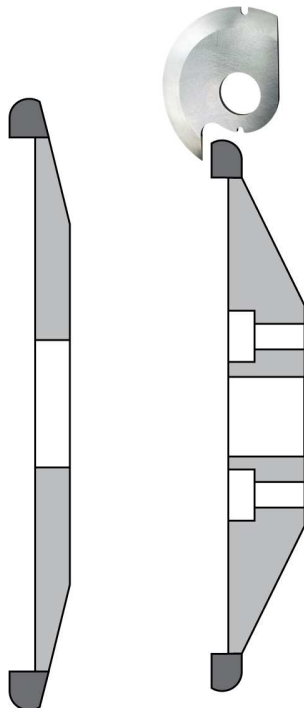


Western Model 2500 Fully Automatic Grinder shown. Western Model 2000 Semi-Automatic Finger joint head grinder also available. Call for details and firm price quotes.

Finger Joint Grinding Wheels				
12A1R Shape	1/4" Radius		1/8" Radius	
	Part #	Price	Part #	Price
5.5" OD (For Weing 912 Grinders)	CB80-R-5-1/2-1/4	\$247.00	CB80-R-5-1/2-1/8	\$215.00
6" Diameter	CB80-R-6--1/4	\$260.00	CB80-R-6--1/8	\$239.00
7" Diameter	CB80-R-7--1/4	\$284.00	CB80-R-7--1/8	\$259.00
8" Diameter - Common Size	CB80-R-8--1/4	\$325.00	CB80-R-8--1/8	\$295.00
7" Norton SG Ceramic (Type 11)	Part # 7-3/4x1-3/4x1-1/4SG		Price \$98.39	
8" Norton SG Ceramic (Type 11)	Part # 8-3/4x1-3/4x1-1/4SG		Price \$103.71	

CBN & Diamond Facing Wheels

(Type 11 Flairing Cup Wheel - for Roughing Grinding FJ Cutters.)



Use a 1/4" radius for most AceCo cutters and 1/8" radius for most Wisconsin Knife cutters. All stock wheels are 1.25" bore / 80 grit. Other bore sizes and finer grits are the same price - made to order.

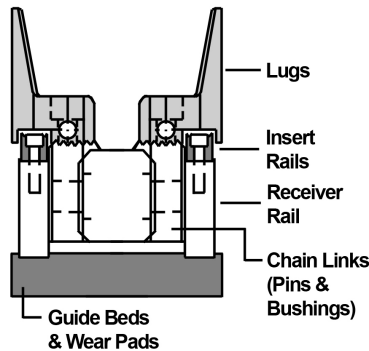
Our radius edge CBN wheel for reshaping finger joint cutters - Regrinds the knife gullets as you face grind - helps to reduce the chances of knife breakage.



We offer many grinding wheel styles and sizes to match your existing grinder. We provide a full line of wheels with various diameters, grits, bonds, and hardness in either Aluminum Oxide, Blue Ceramic, CBN, or Diamond wheels. We can custom match the proper wheel for your needs and your specific grinder and application. Call for details.

Finger Joint Machine Parts

We offer all of the wear type parts including brush strips, chain guides, bed bars, insert-rails, air pressure bags, lugs, chain links, sprockets, squeeze rolls, press feet, and more are available. Spare Parts are CNC machine to OEM tolerances, but without the high OEM prices. **Chain Parts / Lugs / Insert Rails** We help you keep even the oldest finger joint systems running. Hardened insert bed-rails, No-mar strips, short block chains, replacement lugs, air bags, and many others are available. Parts are made to OEM specs for nearly half the cost in some cases! Offerings from stock or quick delivery on standard parts or we can custom make parts to fit modified machines.



We offer insert rails for most production finger joint systems. Most rails are offered from stock for quick delivery at a lower cost. All rails are hard chromed to help extend the scribe wear life. Custom rails with various scribe depth or sharpness are also offered for hardwoods or to reduce scribe marks on soft pines. Hard chrome costs are in flux which affect the cost of the insert rails - Call for prices.



We offer solid and multi-part lugs for most finger joint systems and chains. Custom lugs can also be made if required. Most lugs can be shipped with quick deliveries.

Bed Rail Insert Bars

Machine	Length
IWW 3470	44.50"
IWW 3870	42.50"
IWW FJS25	32.50"
IWW SSS	-
IWW 3707	38.50"
IWW IWS10	36.00"
Wynot / Tri-State	30.00"
IWW 3770	24.00"
Westerns	48.00" Varies
Kikukawa	62.75"
Cader-Tech	Varies
"No-Mark" Insert Rails (6 Scribes Per Rail)	
Extra Tall Scribe Options (.035" or .050" Tall)	
RW90 Diamond Coated Scribes	
All insert rail scribes can be diamond plated for extra long wear, this can extend life more than 2 times.	

Aluminum Lugs

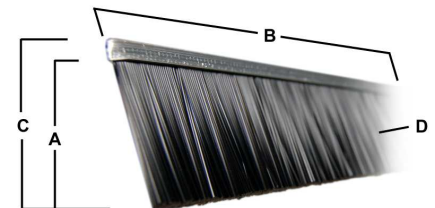
Machine	Type
IWW 3470	1 Pc. - Solid
IWW 3470 / FJS	2 Pc. - Complete
2 Pc Replacement Parts - 3470's & FJS25 Part	
Lug Face Only	
Lug Base Only	
Lug Key Only	
Lug Nut Plate Only	
Machine	Type
IWW 3870	1 Pc. Corg.
IWW 3707	1 Pc. Corg.
IWW SSS	1 Pc. Corg.
IWS 10	2 Pc. - Complete



Call for prices on our new optional Heat Treated Link. It offers twice the wear life.

Chain Link - Pins & Bushings

IWW Description
3870 Corg. Steel Chain Link
3470 Steel Chain Link
Link Pin 1/2" x 2-3/8"
Link Pin 1/2" x 4"
Link Bushing-IR081212



High quality standard and custom spec. block hold down brush strip bar. Standard brush strips are 3' long. Call for prices on custom sizes.

No-Mar Hold Downs

Width	Length	Thick	Description
2"	47"	.042"	Steel - IWW 3870 No-Mar
3"	57-1/4"	.042"	Steel - IWW 3470 No-Mar
3"	40"	.042"	Steel - IWW FJS25 No-Mar

Custom lengths and bolt slots can be made to your specs.

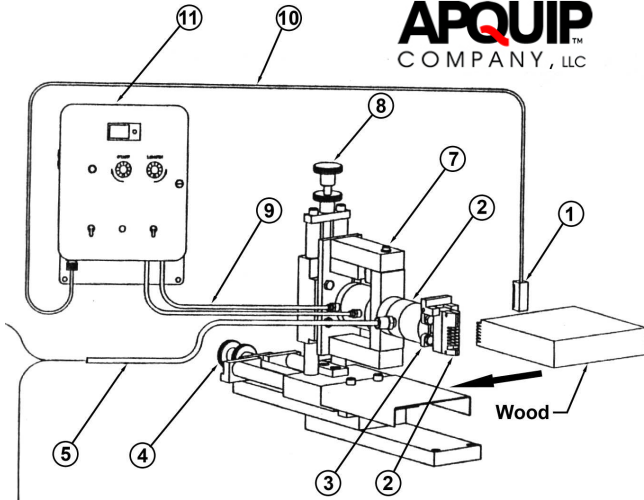
Brush Bar & Brush Strips

Width "C"	Description
2-1/2"	.034" Level
3"	.034" Level
3"	.030" - Crinkel
3" x 2" Long	Lug Loader Strip
IWW Single Brush Holder	
IWW Triple Brush Holder	

Finger Joint & Edge Glue Application Equipment



APQUIP
COMPANY, LLC



Apquip Co., Finger joint glue system for precise glue application.

Need Precision Glue Application?

An older glue wheel system can cost you thousands of dollars to operate a year. We offer the Apquip glue application equipment for finger joint, edge, and face gluing applications. These systems are designed reliable and offer the precision control needed. New systems pay for themselves by reducing glue clean-up time and by saving up to 30% in glue consumption over roller wheels. Through efficient glue application these systems reduce wasted squeeze out and can reduce several glue joint problems common to older technology. Systems will work with most adhesives either with sealed pressure tanks or pumped from your tote. Call for details and prices on a systems.

Glue Heads

We provide the best choice in quick change glue nozzles for consistent glue application. Apquip glue heads are made from the finest stainless steel and designed for your specific joint profile and adhesive. Adjustable heads that allow the same head to glue from 4/4 to 8/4 are also available.



Standard Glue heads = \$Call Adjustable and high capacity heads are offered at an additional cost.

Finger Joint Cutter Combs / Head Cleaner

We offer the *Beachport* head cleaners to eliminate finger joint head plugging. These head combs are designed to eliminate wood chips and wood dust from in between the knives and thus eliminate knife plugging and wood joint rip-out. Our head cleaner design uses a precision fixture that secures a brass profiled comb 100 deg. before the cut. Standard comb stands and mounts are offered for Industrial, Western, and other finger joint systems. All head cleaners are designed to pivot safely out of the dust hood if a block is sucked in. Brass combs are made to fit your thickest knife setup - up to 8/4.



Rip-out is caused when wood packs in-between the knives. Head combs may be required. It is common with longer joints in Cedar, Hemlock, Spruce, and Redwood. Combs are made to clean in-between each knife to prevent them from spreading a part.

Finger Joint Cutter Combs / Head Cleaner	
Description	Price
Industrial Woodworking 3470 & 3870 System	Call
Industrial Woodworking FJS25 System	Call
Western Pneumatic Machines	Call
Double Sided Spare Combs	Call



One Call Purchasing

**Hydro Sleeves
& Saws**

Helical Heads

Pattern Knives

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