

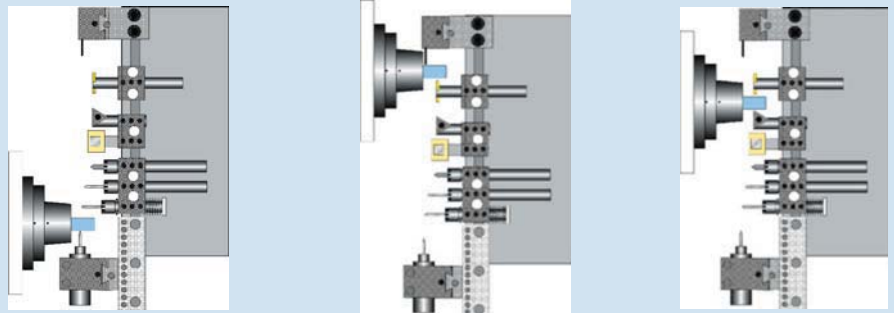
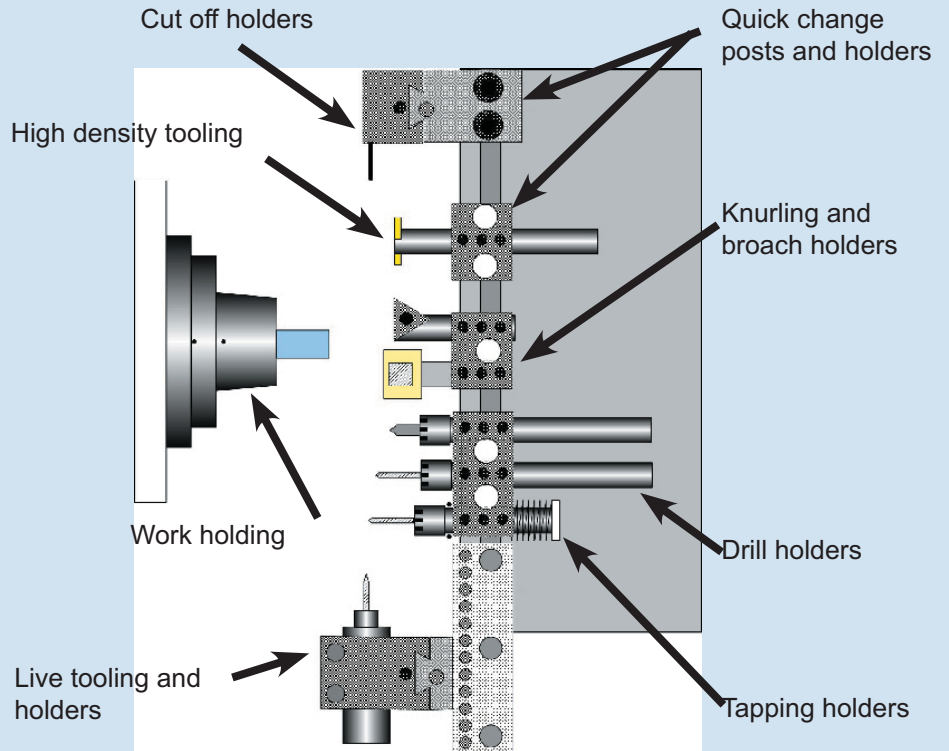
OmniTurn

Your single source for gang tool machines, tooling, automation, and assistance

Tooling layout assistance

- ◆ Part and tooling interference
- ◆ Tooling overhang and rigidity
- ◆ Tooling density
- ◆ Tooling sequence and travels

OmniTurn can help you get the most out of your machine and job. We can help you get a layout designed in advance so you are not having to spend time rearranging and reordering tooling until it all fits. If you send us a print we can return a tooling layout like the one to the right.



Tooling Layout Assistance is available - in most cases for FREE!

Work Holding Secondary Operations - Not Always Easy

Secondary operations are usually simple, it is the work holding that can get in the way. While there is not much in this catalog in the way of work holding options, OmniTurn does offer a great deal of expertise to its users in the way of advise and direction. When you have issues with concentricity, dead length tolerances, internal gripping, off center turning, or over sizes parts, give us a call. We have probably seen and solved the issue before.



West Coast (541) 332-7004 sales@omniturn.com
East Coast (631) 694-9400 sales@richlinco.com

STARTER TOOLING KITS

Attachment

Basic Kit - Available in 3/8" or 1/2"

- Tool Post-W TF625
- Cutoff Blade holder-11/16"
- MultiBar Starter Kit [1-bar 10-inserts]
- Iscar Cutoff w/inserts
- Set of 8 Bushings
- (2) Omni-101L/115L
- Omni-200/205
- Omni-300/305
- Omni-800/805PFB

\$1,995.00

Advanced Kit: *includes the Basic Kit*

- (2) ER-16 Holders
- ER-16 Wrench
- ER-16 Collet Set
- Omnitap
- Offset Post Adaptor and Rail

\$2,995.00

These starter tooling kits are great for shops that do not have experience with gang tooled lathes. The kits represent a good cross section of the different types of tooling and tool holders. They are good for a shop that does not have a specific job to be run on the OmniTurn and would like to try some of everything.

Tool Plate Center Heights:

The standard attachment and GT-75 are available with either 3/8" or 1/2" center heights. Be sure to select the correct kit number.

Attachment vs. GT-75 Kits:

Our entire range of tool holders are engineered for optimum performance.

Substitutions are Available:

For changes to the basic kit, please note the difference on your PO, and we will be happy to help create a tooling kit that best suits your needs!

GT-75

Basic Kit - Available in 3/8" or 1/2"

- Tool Post-W TF625
- Cutoff Blade holder-11/16"
- MultiBar Starter Kit [1-bar 10-inserts]
- Iscar Cutoff w/inserts
- Set of 8 Bushings
- (2) Omni-101L/115L
- Omni-200/205
- Omni-300/305
- Omni-800/805PFB

\$1,995.00

Advanced Kit: *includes the Basic Kit*

- (2) ER-16 Holders
- ER-16 Wrench
- ERC-16 Collet Set
- Omnitap
- Offset Post Adaptor and Rail

\$2,995.00

Basic Tooling Kit



Advanced Kit additions





TOOL POST - W

Tool Post - W

\$225.00



TOOL POST EXTENDED - W

Tool Post Extended - W

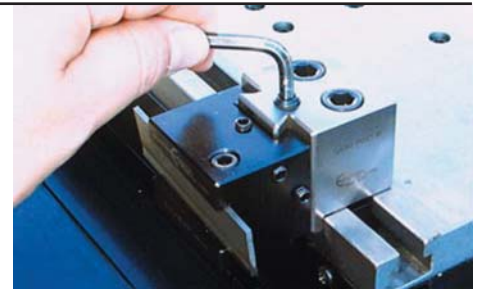
\$250.00

HEAVY DUTY W TOOL POSTS

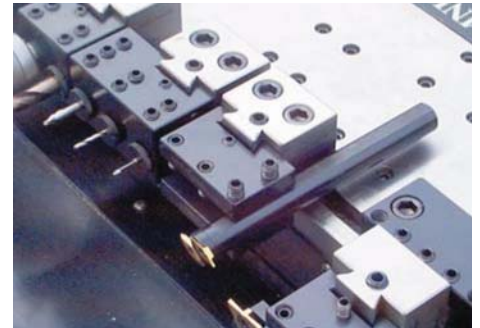
- The W type tool post has a wedge action clamp that pulls the tool holder against the face of the post. This wedge type clamp is much stronger than other tool post's that use a setscrew. The W type holder is strongly recommended when there will be heavier cutting. Turning and cutoff tools can take deeper cuts with better finishes and longer life. This post also works much better for interrupted cuts. The "hammering" of the tool does not loosen the wedge clamp.

- The wedge clamp holders also have excellent repetition in height. The clamping of the tool does not move the tool up or down.

- The locking action is done from above. The W type posts can be placed on the tooling plate directly against one another. No space is used on the tooling plate when having to get at the locking set screw.



THE LOCKING WEDGE IS DRIVEN BY A SCREW FROM ABOVE



HOLDERS PLACED NEXT TO ONE ANOTHER WITHOUT INTERFERENCE

Tool Post Riser

Raise your Toolpost-W to work with live tooling for milling and slotting. The riser is hardened and ground so it gives the best support, square and true.

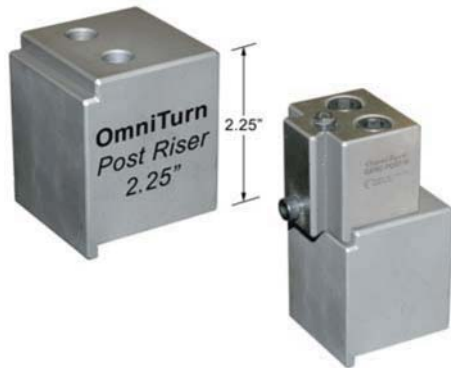
Tool Post Riser - 1-1/4"

\$115.00

Tool Post Riser - 1-1/2"

\$125.00

Tool PostRiser - 2-1/4"



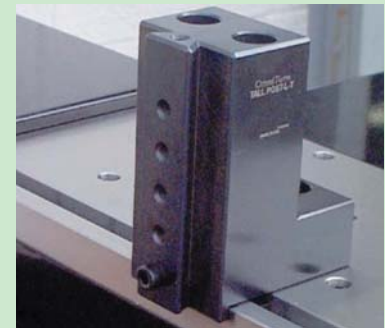
TALL TOOL POST

- The face of the post has 5 tapped holes for the height adjustment screw. This makes the post useful for more tooling applications.

- The post is held to the tooling plate with a long T nut, with two bolts. There is a third hole, for an additional bolt if the application requires extra stiffness.



When tightening tool holders to the tall tool post that tapers, set screws on the holder are used. If more rigidity is needed, use a tool post riser.



Tall Tool Post

\$265.00

OMNI 5/8" BUSHINGS

Bushings are available in stock fractional sizes. All bushings are hardened and ground.

Bushing 1/8 x 5/8"

\$32.90

Bushing 3/16 x 5/8"

\$32.90

Bushing 1/4 x 5/8"

\$32.90

Bushing 5/16 x 5/8"

\$32.90

Bushing 3/8 x 5/8"

\$32.90

Bushing 7/16 x 5/8"

\$32.90

Bushing 1/2 x 5/8"

\$32.90



OMNI TURN "T" NUTS

Long T nuts are available for OmniTurn tooling. These nuts help with quick change overs.

TNUT 1

Single hole T-nut

\$8.00

TNUT P

.900 between centers

\$10.00

TNUT B

1.1 between centers

\$10.00

TNUT A

2.2 between centers

\$11.00



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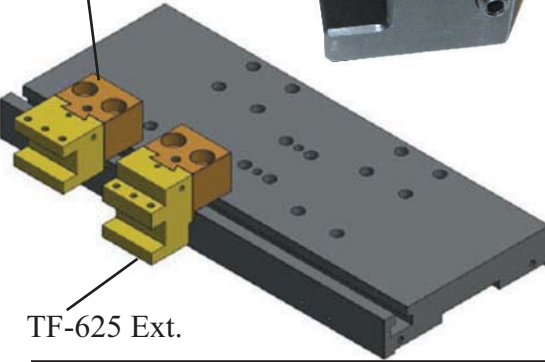
TF-625 Ext.

Allows for adjustment so a larger tool can be used and still be on center.

TF-625 Ext \$125.00



TF-625



TF-625 Ext.

Tool Holders for OmniTurn Posts



Now holds 3/4" tools

Omni TF625	\$128.00	Omni L type Right	\$128.00	Omni L type Left	\$128.00
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Omni 2 Gang	\$119.00	Omni 3 Gang	\$129.00	Omni Universal	\$115.00
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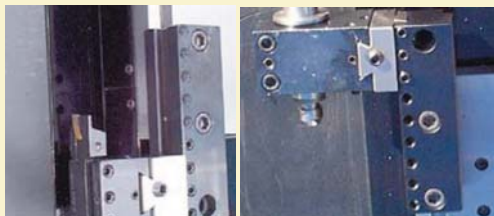
OFFSET POST ASSEMBLY

This post assembly is great for getting the most out of your slide's tooling plate and travel. Use it to hold any tool out of the working area. Only the cutting edge is extended into the working range.

This holder is great for:

Cutting off - Turning - Live tools

- The rail can be mounted on the front or back of the slide.
- The rail's dovetail is across the entire face. The offset post W adaptor can be set anywhere on the face of the rail.
- The offset post W adaptor has all of the features of the regular W type post, with the W type clamping system. The adaptor is available in Standard and Long length.



OFFSET ASSEMBLY
BACK MOUNTED

OFFSET ASSEMBLY
REAR MOUNTED



Offset Post W
adaptor \$195.00



Offset Post Assembly Rail
\$150.00

Tool Post Extensions



Extends tool 1.730"
W Extension Long
\$235.00

W-Extension Short
Extends tool 1.10"
\$190.00



Omni 500L \$165.00

This holder bolts to the tooling and holds tools with shanks up to 1/2" parallel to the spindle.



Omni Soft Blank \$50.00



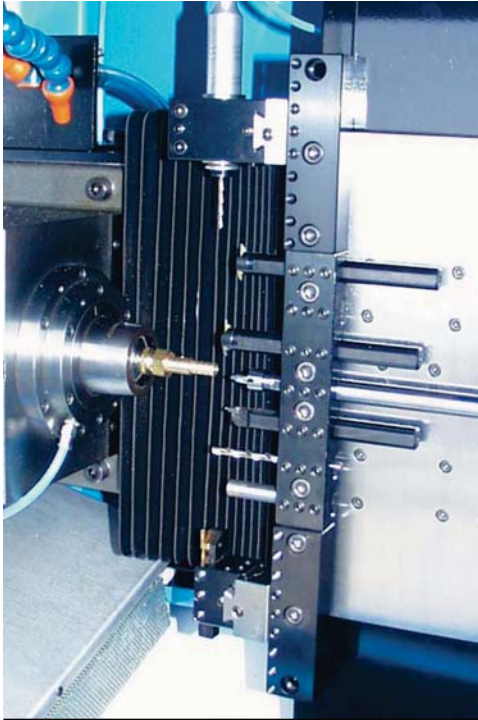
Omni 11/16 "Back" Cutoff Holder \$119.00



Omni Cutoff Front Mount \$119.00

QUICK CHANGE OVER HOLDERS

QUICK CHANGE BARS FOR GT-75 & ATTACHMENTS: Universal pin stops



8 position bars have a location pin that can be mounted on either the front or back edge. The pin is part of a bracket that is screwed in place. This maximizes the versatility of the holder for quick change.



8 STATION - PIN FRONT OR BACK

Omni 800PFB 5/8" bore, 3/8" center height \$295.00
 Omni 805PFB 5/8" bore, 1/2" center height \$295.00
Uses T nut style: TNUT-A



1 station with lip

Omni 101L 5/8" bore, 3/8" center height
 Omni 115L 5/8" bore, 1/2" center height
 Omni 1175L 3/4" bore, 1/2" center height

\$119.00 each



2 station with lip

Omni 200 5/8" bore, 3/8" center height
 Omni 205 5/8" bore, 1/2" center height
 Omni 2075 3/4" bore, 1/2" center height

\$129.00 each



3 station with lip

Omni-300 5/8" bore 3/8" center height
 Omni-305 5/8" bore 1/2" center height
 Omni-3075 3/4" bore 1/2" center height

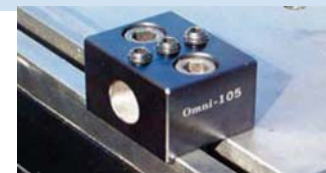
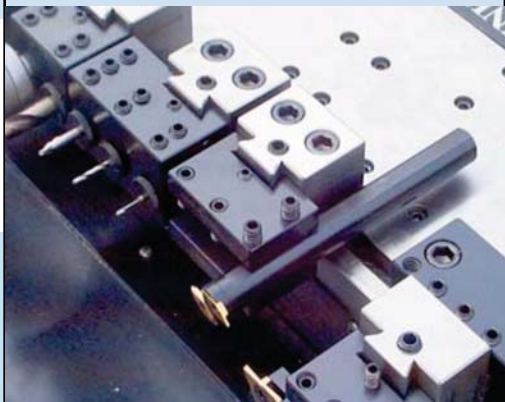
\$139.00 each



1 station No lip

Omni-101 5/8" bore, 3/8" center height
 Omni-115 5/8" bore, 1/2" center height
 Omni-1175 3/4" bore, 1/2" center height

\$119.00 each



1 STATION - HEAVY DUTY

Omni 100 5/8" bore, 3/8" center height **\$129.00**
 Omni 105 5/8" bore, 1/2" center height **\$129.00**
 Omni 1075 3/4" bore, 1/2" center height **\$129.00**
 Omni 5 100 1.000" bore, 1/2" center height **\$155.00**

8 station - moveable pin



Omni 800 3/8" center height
 Omni 805 1/2" center height
 5/8" bores
\$295.00 each

7 STATION - NO PIN



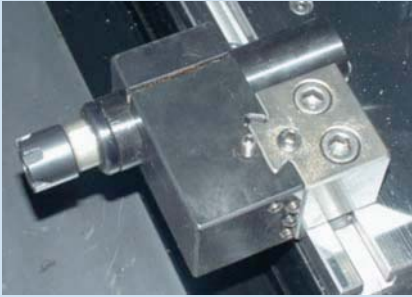
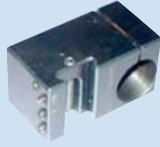
Omni 700 5/8" bore, 3/8" center height
 Omni 705 5/8" bore, 1/2" center height
 Omni 7075 3/4" bore, 1/2" center height
\$295.00 each

LIVE IN-LINE HOLDER

Here is a new holder for live tooling. It has a 30mm bore. The bushings above can be used to step it down.

This holder is great for milling flats or larger slots. With the Tool Post W you you can adjust the height of the cutter easily.

- Live In Line 30mm holder \$235.00
- Live In Line 36mm holder \$260.00



Live Tool Vertical Holders



- Live Vertical LV 30 \$225.00
- Live Vertical LV 40 \$235.00

Live Tool Horizontal Holders



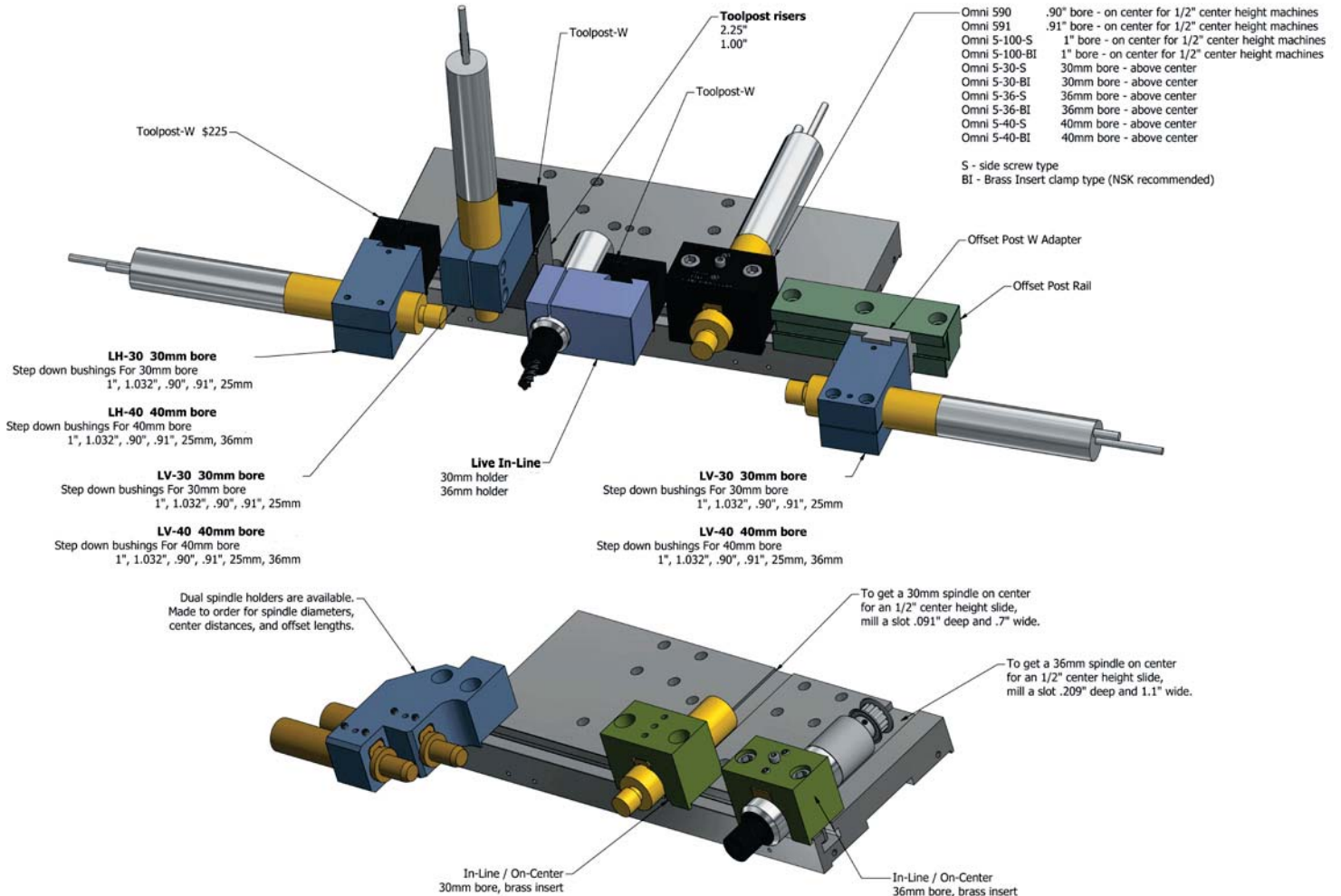
- Live Horizontal LH 30 \$225.00
- Live Horizontal LH 36 \$235.00
- Live Horizontal LH 40 \$245.00

LIVE TOOL HOLDER W/ BRASS CLAMP



This holder is great for when you need to hold a 1" OD live tool on center with the spindle

- Live In Line 1" bore \$185.00
- Live In Line 30mm bore \$200.00
- Live In Line 36mm bore \$215.00



OmniTurn live tool holders are available for ALL NSK spindles. Vertical, Horizontal, and In-Line are in stock at all times. Special holders are made to order.



BUSHINGS



MM	PRICE
1"/30	\$95.00
1.032"/30	\$95.00
.9"/30	\$95.00
.91"/30	\$95.00
3/4" / 30	\$95.00
1"/40	\$140.00
1.032"/40	\$140.00
.9"/40	\$140.00
.91"/40	\$140.00
25 / 30	\$140.00

LARGE OMNI-LIVE TOOL HOLDERS



5 30	30mm bore	\$160.00
5 36	36mm bore	\$170.00
5 40	40mm bore	\$180.00

The 5-30 and 5-40 hold the spindles above center
Uses T nut style: (2) TNUT-1

ANGLE OMNI-LIVE TOOL HOLDERS



You can drill angled holes with the OmniTurn. Holders are made to order. The OmniTurn slide is responsive enough to enable peck drilling at any angle. We have applications in the in use where .062" drill are being drilled at 30 degrees .75" deep.

NSK OMNI-LIVE TOOL HOLDERS



Omni 590
1/2" center height \$165.00
for NSK Astro System .900

Omni 591
1/2" center height \$165.00
for NSK Astro Series .910

Uses T nut style: (2) TNUT-1

SPECIAL ORDER

We can design any holder per your specifications.

OMNITURN BAR PULLERS



- Light weight & self activating. No moving parts.
- 5/8" shank fits directly into OmniTurn tool holders
- Gripper threads onto shank, change in seconds
- Only 1/4" bar engagement is needed.
- Small head diameter minimizes interference
- Using a bar puller reduces bar whip as compared to a push type bar feed



Bar puller shank 5/8"		PRICE
.187"	PBG0187	\$59.00
.250"	PBG0250	\$59.00
.312"	PBG0312	\$59.00
.375"	PBG0375	\$59.00
.437"	PBG0437	\$59.00
.500"	PBG0500	\$59.00
.562"	PBG0562	\$59.00
.625"	PBG0625	\$59.00
.687"	PBG0687	\$59.00
.750"	PBG0750	\$59.00

AccuTrak Two-Die Straddle Holder for Knurling and Threading

Capacity: .19 to 1"
Head width: 2.45"
Head thickness: .875"
Die size: 3/4" diameter, 3/8" wide, 1/4" hole



AccuTrak Knurl Holder \$398.00



AccuTrak's Holder is Easy to Set Up and Adjust for Size

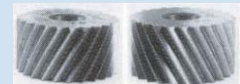
The holder uses two knurling dies held in an adjustable yoke. It is easy to center the holder so there is even pressure on both dies. The adjustment for size is done with a screw.

Straight Tooth Knurls

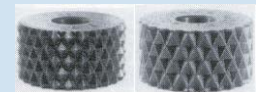


\$18.80 ea HSS		\$23.55 ea Cobalt	
TPI / TEETH	TPI / TEETH	TPI / TEETH	TPI / TEETH
8, 19 (90°)	20, 23 (90°)	12, 28 (90°)	14, 34 (90°)
16, 38 (90°)	20, 47 (90°)	21, 50 (90°)	25, 59 (90°)
30, 71 (90°)	33, 77 (90°)	35, 82 (90°)	40, 94 (90°)
35, 82 (70°)	50, 117 (70°)	60, 141 (70°)	80, 189 (70°)

30° Spiral Knurls RH or LH



\$18.80 ea HSS		\$23.55 ea Cobalt	
8, 16 (90°)	10, 20 (90°)	12, 25 (90°)	14, 34 (90°)
16, 33 (90°)	20, 41 (90°)	21, 50 (90°)	25, 51 (90°)
30, 61 (90°)	33, 77 (90°)	35, 71 (90°)	40, 81 (90°)
50, 102 (70°)	80, 163 (70°)		



30° Diamond Knurls - Male or Female			
12, 25 (90°)	16, 33 (90°)	20, 41 (90°)	25, 51 (90°)
30, 61 (90°)	40, 81 (90°)	50, 102 (70°)	80, 163 (70°)
\$24.95 ea HSS		\$32.95 ea Cobalt	

OMNITURN COLLET SYSTEM

OTC-11 Holder with Nut \$95.00
 Wrench for OTC-11 nut \$22.00
 Extra nut for OTC-11 holder \$28.00

OTC-16 Holder with Nut \$115.00
 Wrench for OTC-16 nut \$24.50
 Extra nut for OTC-16 holder \$33.50

INDIVIDUAL COLLETS

SIZE	FRACTIONAL	ER-11	PRICE	SIZE	FRACTIONAL	ER-16	PRICE		
.020	.039	OTC11 001	\$30.00	.024	.039	OTC16 001	\$30.00		
.039	.059	OTC11 002	\$25.00	.063	.078	OTC16 002	\$25.00		
.059	.079	1/16	OTC11 003	\$25.00	.103	.118	OTC16 003	\$25.00	
.079	.098	3/32	OTC11 004	\$25.00	.118	.157	1/8, 5/32	OTC16 004	\$25.00
.098	.118	OTC11 005	\$25.00	.157	.196	3/16	OTC16 005	\$25.00	
.118	.138	1/8	OTC11 006	\$25.00	.197	.236	7/32	OTC16 006	\$25.00
.138	.157	5/32	OTC11 007	\$25.00	.236	.275	1/4	OTC16 007	\$25.00
.157	.177	OTC11 008	\$25.00	.276	.315	9/32, 5/16	OTC16 008	\$25.00	
.177	.197	3/16	OTC11 009	\$25.00	.315	.354	11/32	OTC16 009	\$25.00
.197	.217	OTC11 010	\$25.00	.354	.393	3/8	OTC16 010	\$25.00	
.217	.236	7/32	OTC11 011	\$25.00					
.236	.256	1/4	OTC11 012	\$25.00					
.256	.276	OTC11 013	\$25.00						



**SLIM DESIGN ALLOWS
CLOSER SPACING**



**EASIER TOOL
CHANGES IN POSITION**



COLLET SETS

ER-11 Set (13 piece) \$295.00
 .020" - .276"

COLLET SETS

ER-16 Set (10piece) \$225.00
 .020" - .394"

OMNITURN OTC-16 FLOATING TAP HOLDER (OMNITAP) \$215

The OmniTurn OTC 16 tap holder has many advantages. The tap holder will fit in all of the tooling bars with a 5/8" bore. The holder is kept from rotating by a pin from the top. It can float back and forth smoothly. A spring keeps the holder back against the tooling bar. If you program the feed of the tap a little lower than the lead, the assembly will pull out a little from the bar. Then when the spindle reverses, the tap just "floats". For small sensitive taps, this is better than a holder with a clutch that can snap the tap on the reversal. The holder is case hardened. It will last a long time.



The tap holder will fit in all of the tooling bars with a 5/8" bore.

The holder uses standard OTC-16 collets. Special tapping collets with a square broach in the back are available on request.

The holder takes no additional space on the tooling bar. It is much smaller than self releasing holders.

NOTE: If you are tapping to the bottom of a blind hole, or have to tap to a specific depth, then we recommend a self releasing tap holder. It is much easier to hold a depth with the release of a the clutch



SELF RELEASING TAP HOLDER



Tap Holder #TH00 \$495.00

Bushings for Tap Holders

Tap Size	Tap Shank Dia	Part #	Price
#0 thru #6	.141	1001	\$32.00
#7-#8 - 5/32	.168	1002	\$32.00
#9-#10 - 3/16	.194	1003	\$32.00
#12 - 7/32	.220	1004	\$32.00
#14 - 1/4	.255	1005	\$32.00
9/32	.286	1006	\$32.00
5/16	.318	1007	\$32.00
11/32	.349	1008	\$32.00
3/8	.381	1009	\$42.00
13/32-7/16	.323	1010	\$42.00

- Right or left hand threading
- Eases tap into work for better matching
- No spring plungers to wear or break
- 1/8" pullout for releasing
- 7/16 max straight tap
- 1/8" max pipe tap
- Only 1.35" over hang

ER16 TAP COLLETS

Tapping collets are manufactured with an internal square drive that keeps the tap from spinning within the collet during use.

Tap Size	Shank Size	Price
0-6	0.141	\$59.50
8	0.168	\$59.50
10	0.194	\$59.50
12	0.220	\$59.50
1/4	0.255	\$59.50
5/16	0.318	\$59.50





INSERTS ARE SOLD IN PACKS OF 10 (TEN).
ADD A \$1.00 TO THE COST OF EACH INSERT WHEN
PURCHASING IN QUANTITIES OF LESS THAN 10 (TEN).

OMNITURN'S MULTIBAR TURNING SYSTEM

THE OMNITURN MULTIBAR HOLDER AND INSERTS WERE SPECIALLY DESIGNED FOR SMALL PRECISION TURNING ON GANG TOOL LATHES.

NEW AND IMPROVED multibar is made with more material in the pocket area for better holding power of the insert. →



OMNITURN'S MULTIBAR \$145.00

Ground edges, not pressed.

Most other inserts have edges that have been pressed and honed. This does not create a sharp cutting edge. When used, there is more tooling pressure created on the radius edge. This causes problems with small "fine" turning. It becomes harder to hold tight tolerances & good finishes, consistently. MultiBar inserts are all ground to a sharp edge with no radius, greatly reducing tooling pressure. Our inserts produce more good parts and last longer than the less expensive alternatives.

One Standard bar with the widest choice of inserts.


The MultiBar will accept many different type of inserts: *Front and Back turning, Cut-off, Grooving, Threading, Plunge*

and Turn. Working with one style bar and inserts, you will be able to cover most small turning needs.

The holder & inserts take less space than any other two cutting tools on the market! Tooling space on gang tool lathes is always at a premium. The MultiBar under 1.1" wide, *including the inserts!!!*

For rigidity and longer life the MultiBar is made from hardened and ground 4140 steel. The MultiBar is made so that you can extend the cutting tools off the face of the slide and still take a deep cut. The bar can be used for heavy roughing cuts, or fine, precise finishing work.

Specially designed geometries help take deeper cuts.

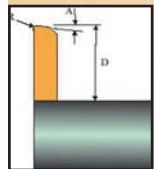
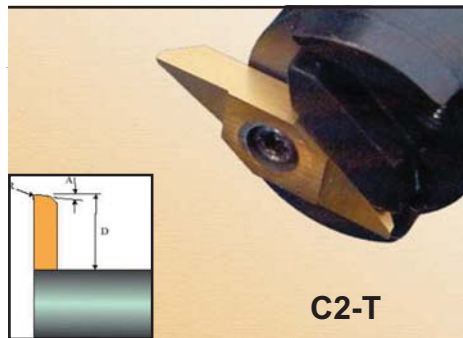


PROFILING INSERT - 6MM

VFTR-6M050 - \$27.95/each

- .030 RAD - C-2 uncoated
- .020 RAD - C-2 uncoated
- .010 RAD - C-2 uncoated

All inserts available in uncoated. Please call for availability.



C2-T

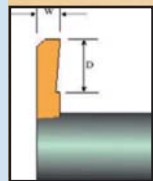
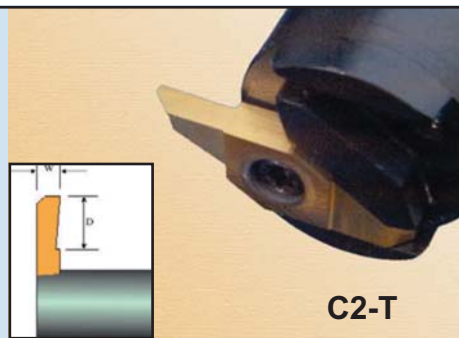
FRONT TURNING

This insert can be used for general purpose turning. The .2" depth of cut can be used for most turning and facing operations.

The 45 deg. clearance on the back side of the tool can be used to undercut for a thread.

Insert #	A	D	R	Price
VFTR-6M010	1	.2"	.000	\$18.97
VFTR-6M040	4	.2"	.000	\$18.97
VFTR-6M152	15	.2"	.002	\$21.63
VFTRB-6M152*	15	.2"	.002	\$22.74
VFTR-6M157	15	.2"	.007	\$21.63
VFTRB-6M157*	15	.2"	.007	\$22.74

* with chip breaker



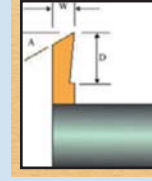
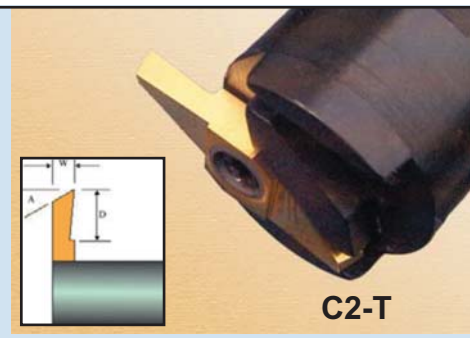
C2-T

BACK TURNING

The back turning insert can be used for turning behind a shoulder.

This insert is ground on the front end so that it can easily plunge directly into the material before back turning.

Insert #	W	D	R	Price
VBTR-6M453	.047	.085"	.000	\$21.27
VBTR-6M454	.062	.130"	.000	\$30.10
VBTR-6M455	.078	.200"	.000	\$20.97
VBTR-6M456	.093	.200"	.000	\$20.84

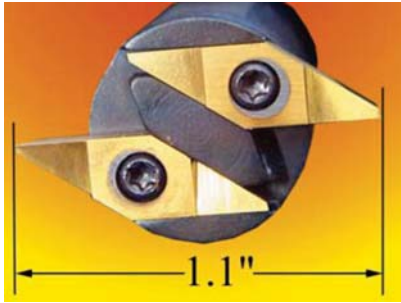


C2-T

CUT OFF

The cut off inserts are designed for small precision cut offs. The face angle is very steep to help reduce the cutoff tit.

Insert #	W	D	A	Price
VCOR-6M2520	.020	.050	25	\$21.30
VCOR-6M2525	.025	.065	25	\$21.10
VCOR-6M2531	.031	.090	25	\$20.93
VCOR-6M2040	.040	.100	20	\$20.81
VCOR-6M2047	.047	.130	20	\$20.67
VCOR-6M1562	.062	.160	15	\$20.51
VCOR-6M1578	.078	.200	15	\$21.37
VCOR-6M1593	.093	.200	15	\$20.22



**FIT MORE TOOLS
PER SETUP WITH
THE OMNITURN MULTI BAR!**

THE MULTI BAR PUTS TWO TURNING TOOLS IN THE SMALLEST AREA. THE WIDTH OF THE TOOL WITH INSERTS IS LESS THAN 1.1". BY USING THE MULTI BAR YOU CAN GET MORE TOOLS INTO THE SETUP WITHOUT COMPROMISING RIGIDITY.

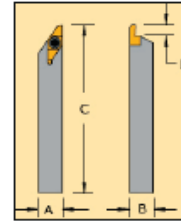


OMNITURN'S MULTI BAR

MultiBar with 5/8" shank \$145.00
 Extra Torx wrench T-7 \$4.00
 Extra insert screws 2.40-064 \$3.00

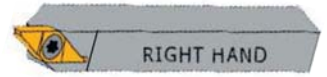
- C-2 or C-5 grade carbides are available for all inserts.
- Unless requested, C 2T will be supplied.
- All prices quoted are for coated inserts. Uncoated are available, for \$1.00 less.
- All inserts shown are right handed. Left handed inserts are also available upon request.

6mm 35° SERIES TOOLING



SQUARE SHANK BAR
 Front Turn, Back Turn, Cut Off,
 Groove Thread, Plunge & Turn
 W/ ONE TOOLHOLDER JUST
 CHANGE INSERT

\$98.00



R.H. HOLDER NO	A	B	C	D
SVANR 07M6M C	7mm	7mm	127mm	5mm
SVANR 08M6M C	8mm	8mm	127mm	5mm
SVANR 10M6M C	10mm	10mm	127mm	5mm
SVANR 12M6M C	12mm	12mm	127mm	5mm
SVANR 3756M C	.375	.375	5.00	.200
SVANR 5006M C	.500	.500	5.00	.200
SVANR 6256M C	.625	.625	5.00	.200
SVANR 7506M C	.750	.750	5.00	.200

Screw 2.40 064 \$3.00/ea Wrench T 7 \$4.00/ea

MULTI BAR STARTER KIT

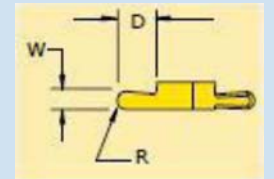
(1) MultiBar PN S10DSVFNL6M2X

- | | |
|-------------------|-------------|
| (1) Front turn | VFTR 6M040 |
| (2) Front turn | VFTR 6M157 |
| (1) Back turn | VBTR 6M455 |
| (1) Cut off | VCOR 6M1578 |
| (1) Cut off | VCOR 6M2047 |
| (1) Groove .031 | VNGR 6M031 |
| (1) Threading | VNVR 6M062 |
| (1) Threading | VNVR 6M093 |
| (1) Plunge & turn | VTGR 6M078 |
| (1) Spare screw | 2.40 064 |

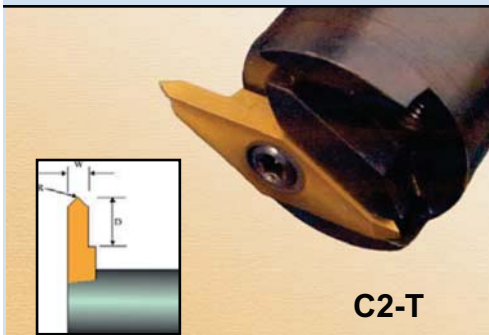


MultiBar Starter Kit PN-6MBSK \$325.00
 Includes bar, torx wrench and screw

**FULL RADIUS
INSERTS**



Insert #	Width	Depth	Radius	Price
VFRR 6M010	.010	.030	.005	\$21.65
VFRR 6M015	.015	.040	.007	\$21.53
VFRR 6M020	.020	.050	.01	\$21.35
VFRR 6M025	.025	.065	.012	\$21.15
VFRR 6M030	.030	.090	.015	\$20.98
VFRR 6M040	.040	.110	.02	\$20.86
VFRR 6M047	.047	.130	.023	\$20.72
VFRR 6M062	.062	.160	.031	\$20.56
VFRR 6M078	.078	.180	.039	\$20.42
VFRR 6M093	.093	.180	.046	\$20.27

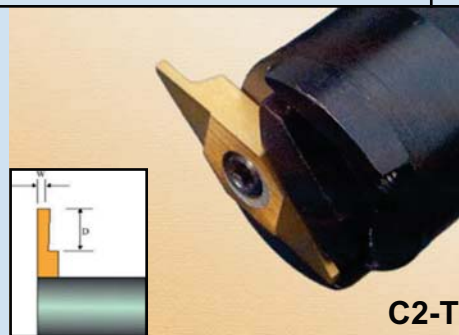


C2-T

THREADING

The threading inserts are designed for small precision work. The tip radius is very small. This creates less tool pressure. Tool width is less than other inserts. You can thread to shoulders without having to modify the tool.

Insert #	W	D	R	Price
VNVR 6M031	.031	.150	.000	\$20.58
VNVR 6M047	.047	.180	.002	\$20.49
VNVR 6M062	.062	.200	.002	\$20.26
VNVR 6M093	.093	.200	.004	\$19.97

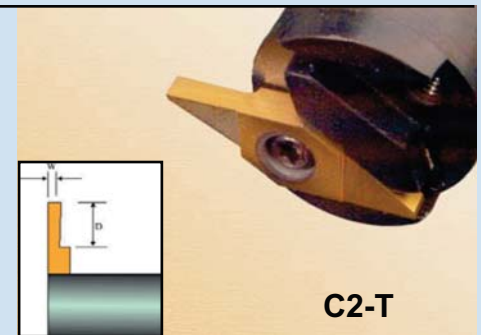


C2-T

GROOVING

These inserts are a single piece of carbide vs the small inserts that other grooving tool manufacturers use.

Insert #	W	D	R	Price
VNGR 6M020	.020	.050"	.000	\$21.35
VNGR 6M025	.025	.065"	.000	\$21.15
VNGR 6M031	.031	.090"	.000	\$20.98
VNGR 6M040	.040	.100"	.000	\$20.86
VNGR 6M047	.047	.130"	.000	\$20.72
VNGR 6M062	.062	.160"	.000	\$20.56
VNGR 6M078	.078	.200"	.000	\$20.42
VNGR 6M093.093		.200".000		\$20.27



C2-T

PLUNGE AND TURN

The plunge and turn insert can also be used for back turning work. It does not have as much clearance and relief as the back turn insert. The front edge is parallel to the work piece.

Insert #	W	D	R	Price
VTGR 6M031	.031	.050"	.000	\$21.23
VTGR 6M047	.047	.085"	.000	\$21.02
VTGR 6M062	.062	.130"	.000	\$20.85
VTGR 6M078	.078	.200"	.000	\$20.72
VTGR 6M093	.093	.200"	.000	\$20.59

* with chip breaker

8mm 35° SERIES TOOLING INSERTS

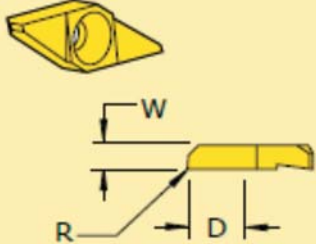
SPARE PARTS

SCREW 3.20-095

WRENCH T-10

\$3.00 EACH

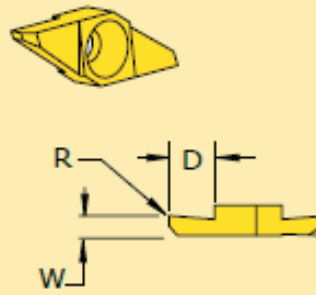
FRONT TURN



RIGHT HAND SHOWN

		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	INCH	MM
VFTR-8M040	\$19.05	.156	4,00	.300	7,62	.000	0,00
VFTR-8M045	\$20.33	.156	4,00	.300	7,62	.005	0,13
*VFTRB-8M040	\$20.33	.156	4,00	.300	7,62	.000	0,00
*VFTRB-8M045	\$21.61	.156	4,00	.300	7,62	.005	0,13
*WITH CHIP CONTROL							

BACK TURN

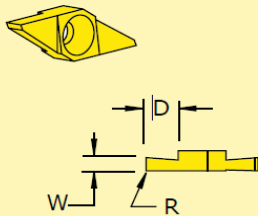


RIGHT HAND SHOWN

		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	INCH	MM
VBTR-8M308	\$20.33	.125	3,18	.300	7,62	.000	0,00
VBTR-8M306	\$20.44	.093	2,36	.300	7,62	.000	0,00
VBTR-8M305	\$20.59	.078	1,98	.250	6,35	.000	0,00
VBTR-8M304	\$20.73	.062	1,57	.190	4,83	.000	0,00

PLUNGE & TURN

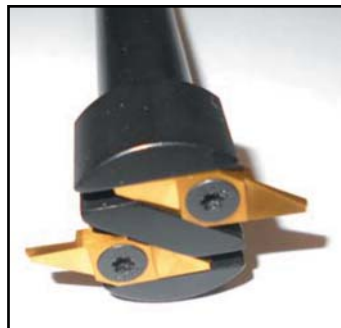
(SQUARE BOTTOM)



RIGHT HAND SHOWN

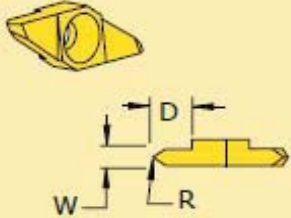
		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	INCH	MM
VTGR-8M125	\$20.33	.125	3,18	.300	7,62	.000	0,00
VTGR-8M093	\$20.44	.093	2,36	.300	7,62	.000	0,00
VTGR-8M078	\$20.59	.078	1,98	.250	6,35	.000	0,00
VTGR-8M062	\$20.73	.062	1,57	.190	4,82	.000	0,00
VTGR-8M047	\$20.88	.047	1,19	.130	3,30	.000	0,00
VTGR-8M031	\$21.08	.031	0,78	.050	1,27	.000	0,00

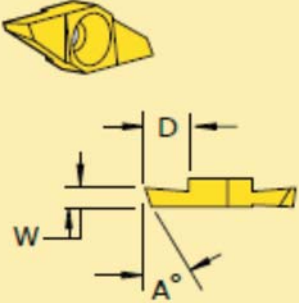
OMNITURN'S 8MM BAR \$195.00 5/8" SHANK



West Coast (541) 332-7004 sales@omniturn.com
 East Coast (631) 694-9400 sales@richlinco.com

8mm 35 ° SERIES TOOLING INSERTS

THREADING 60 °	RIGHT HAND SHOWN							
			WIDTH		DEPTH		RADIUS	
	R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	INCH	MM
	VNVR-8M125	\$19.96	.125	3,18	.300	7,62	.004	0,10
	VNVR-8M062	\$20.29	.062	1,57	.250	6,35	.002	0,05
	VNVR-8M031	\$20.53	.031	0,78	.190	4,82	.000	0,00
THREAD FORM IS CENTRALLY LOCATED								

CUT-OFF	RIGHT HAND SHOWN						
			WIDTH		DEPTH		A °
	R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	
	VCOR-8M158	\$19.96	.125	3,18	.320	8,13	15 °
	VCOR-8M156	\$20.07	.093	2,36	.320	8,13	15 °
	VCOR-8M155	\$20.17	.078	1,98	.320	8,13	15 °
	VCOR-8M154	\$20.29	.062	1,57	.260	6,60	15 °
	VCOR-8M153	\$20.41	.047	1,19	.190	4,83	15 °

GROOVING	RIGHT HAND SHOWN							
			WIDTH		DEPTH		RADIUS	
	R.H. INSERT NO.	PRICE	INCH	MM	INCH	MM	INCH	MM
	VNGR-8M125	\$19.96	.125	3,18	.300	7,62	.000	0,00
	VNGR-8M093	\$20.07	.093	2,36	.300	7,62	.000	0,00
	VNGR-8M078	\$20.17	.078	1,98	.250	6,35	.000	0,00
	VNGR-8M062	\$20.29	.062	1,57	.250	6,35	.000	0,00
	VNGR-8M047	\$20.41	.047	1,19	.190	4,83	.000	0,00
	VNGR-8M040	\$20.56	.040	1,00	.130	3,30	.000	0,00
	VNGR-8M031	\$20.70	.031	0,79	.080	2,03	.000	0,00

OMNITURN'S 8MM BAR \$195.00



West Coast (541) 332-7004 sales@omniturn.com
 East Coast (631) 694-9400 sales@richlinco.com

MULTIBAR TREPAN FACE GROOVING



Cutting a face groove can be difficult without the correct tooling. Here is a holder and insert that makes doing this easy. The holder has flats on both sides of the bar, it can be held with the cutter facing up or down.

- Min diameter .187" • Max diameter .750"
- From .05" to .2" depth of cut
- From .03" to .09" wide grooves
- C2 carbide with positive rake



SIDE CLEARANCE FOR SHOULDERS

MultiBar Face Groove bar \$175.00

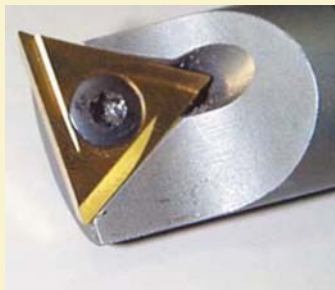
Insert #	Width	Depth	Min Dia	Major Dia	
VFGL 6M305025.03"	.05"	.25"	.25"		\$25.58
VFGL 6M307550.03"	.075"	.50"	.50"		\$25.58
VFGL 6M406025.04"	.06"	.25"	.25"		\$25.50
VFGL 6M409050.04"	.09"	.50"	.50"		\$25.50
VFGL 6M507530.05"	.075"	.30"	.30"		\$25.50
VFGL 6M501060.05"	.10"	.60"	.60"		\$25.50
VFGL 6M608030.06"	.08"	.30"	.30"		\$25.37
VFGL 6M601060.06"	.10"	.60"	.60"		\$25.37
VFGL 6M709030.07"	.09"	.30"	.30"		\$25.32
VFGL 6M701260.07"	.12"	.60"	.60"		\$25.32
VFGL 6M801030.08"	.10"	.30"	.30"		\$24.19
VFGL 6M801460.08"	.14"	.60"	.60"		\$24.15
VFGL 6M901430.09"	.14"	.30"	.30"		\$23.95
VFGL 6M902060.09"	.20"	.60"	.60"		\$23.95
Extra Torx wrench T 7					\$4.00
Extra insert screws 2.40 064					\$3.00

sold in packs of ten

LEFT HANDED TURNING



This is a 5/8" round shank turning bar. The rake angle is 0 degree. The tool is very useful for heavy turning and light facing. The tool is very rigid and the insert is well supported. Threading inserts are also available.



NOW HAS FLATS ON BOTH SIDES FOR BETTER STABILITY.



TURNING INSERT W/ .015 TNR



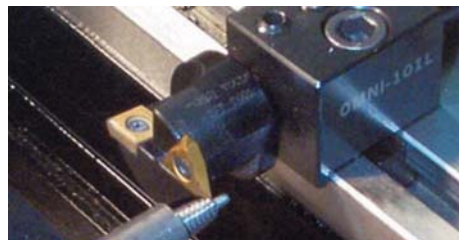
THREADING INSERT

Left Handed Turning Tool	\$145.95
Spare screw SC 30	\$3.25
Turning	
TPCG 3205 CG5	
Left Handed Turning w/.007 TNR	\$16.95
TPGH 321 CG5	
Left Handed Turning w/.015 TNR	\$15.95
Starter kit, includes one bar and 10 inserts LH bar, (5) TPGH-320, (5) TPGH-321	\$299.00



With gang tooling lathes, space is at a premium. Shank style holders take up much less space on the slide!

OMNITURN'S T/T TOOL SAVES SPACE AND TIME



T/T Tool Holder only	\$175.00
T/T Starter Kit	\$295.00
Includes:	
(3) OMTN 007 (3) OMTN 015 (4) 375 TD10	

Inserts	
Threading 375-TD	\$23.75 ea
Threading insert for T/T Tool (sold in box of 10), 3 sided, coated	
Turning OMTN-007	\$15.90 ea
Turning insert for T/T Tool (sold in box of 10), 2 edged, coated, .007" TNR	
Turning OMTN-015	\$13.90 ea
Turning insert for T/T Tool (sold in box of 10), 2 edged, coated, .015" TNR	
Accessories	
FT-9 Torx wrench for threading insert	\$3.50
VR-1 Screw for threading insert	\$3.50
MS1027 Screw for turning insert	\$3.50

ISCAR CUT OFF BLADE



W	Part #	R	K	Price
.087"	GFR 2 4D	.006	4	\$14.50
.087"	GFR 2 6D	.006	6	\$14.50
.087"	GFR 2 8D	.006	8	\$14.50
.087"	GFR 2 15D	.006	15	\$14.50
.087"	GFR 2S 15	.001	15	\$15.50

Iscar 11/16" x 1/16" Cutoff Blade

\$132.00

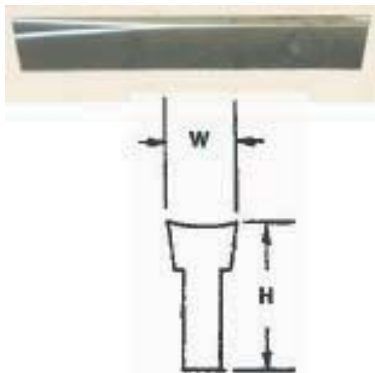
LOW COST! MORE PIECES PER BLADE!

Longer wear, less galling, better finish, higher speeds than high-speed steels. PLUS greater rigidity and up to 10 times the re-sharpen able tool life of carbide tipped tools.

Tools are supplied ready for use with cut-off angles sharpened on both ends so that tools can be used on front or rear side and for either right or left hand operations.

WIDTH - 1/16"
HEIGHT - 11/16"
LENGTH - 4"

REF. NO. - P-3N-866 \$119



ROTATING BROACH (WOBBLE BROACH)

This tool is used to produce hexagon, square, and other irregular internal shapes in the work piece as it is rotating in the spindle of the machine.

Minimal tool driving force is required due to the spindle offset which distributes the load of the cut. The tool holder spindle, which is mounted in ball bearings, rotates freely with the work piece and does not require auxiliary driving attachments.



SOMMA OFFSET ROTATING BROACH TOOL

5/8" SHANK, 2" OVERHANG, 1 1/2" WIDTH

PART #: BROACH \$885.00



HEX - INCH PART #: BROACHTOOL

HEX	FLATS	DEPTH	PART	# PRICE
.050	.0505	5/64	HX00 .050	\$62.00
1/16	.0630	3/32	HX00 1/16	\$62.00
5/64	.0786	7/64	HX00 5/64	\$62.00
3/32	.0947	9/64	HX00 3/32	\$62.00
7/64	.1106	5/32	HX00 7/64	\$62.00
1/8	.1265	3/16	HX00 1/8	\$62.00
9/64	.1421	7/32	HX00 9/64	\$62.00
5/32	.1582	1/4	HX00 5/32	\$62.00
3/16	.1895	9/32	HX00 3/16	\$62.00
7/32	.2212	11/32	HX00 7/32	\$62.00
1/4	.2525	3/8	HX00 1/4	\$62.00

SQUARE - INCH

HEX	FLATS	DEPTH	PART #	PRICE
3/32	.0947	9/64	SQ00 3/32	\$62.00
1/8	.1265	3/16	SQ00 1/8	\$62.00
5/32	.1582	1/4	SQ00 5/32	\$62.00
3/16	.1895	9/32	SQ00 3/16	\$62.00
7/32	.2212	11/32	SQ00 7/32	\$62.00

