

WhizCut®

CUTTING EDGE INNOVATIONS

2026

INTERNATIONAL

NEWS

SINGLE-HAND QUICK CHANGE TOOLING
RELIABLE CHIP CONTROL IN GROOVE TURNING
SWISS TOOLING IN MULTI-SPINDLES

THE STORY OF WHIZCUT

WHEN PRECISION MATTERS, WHIZCUT DELIVERS

WhizCut is a recognized innovator in the metalworking industry, developing high-performance tools for CNC automatic lathes that improve both accuracy and efficiency.

With deep expertise in Swiss-type machining, our solutions support a wide range of operations: from parting off to thread milling. Every tool reflects our commitment to cutting-edge engineering and consistent performance, helping manufacturers achieve reliable results in demanding production environments.

Why WhizCut? We put your productivity first. Our tools are developed in close collaboration with customers, allowing us to solve real-world challenges with smart, practical solutions.



CURIOSITY TO INNOVATION

In 1946, 3-year-old Erik Schmidt listened to the hum of lathes while helping his father make lighters in a Copenhagen suburb. That spark of curiosity led to the invention of the WhizFix tool holder system. Founded in Sweden in 1996, WhizCut still thrives on Erik's innovative spirit.

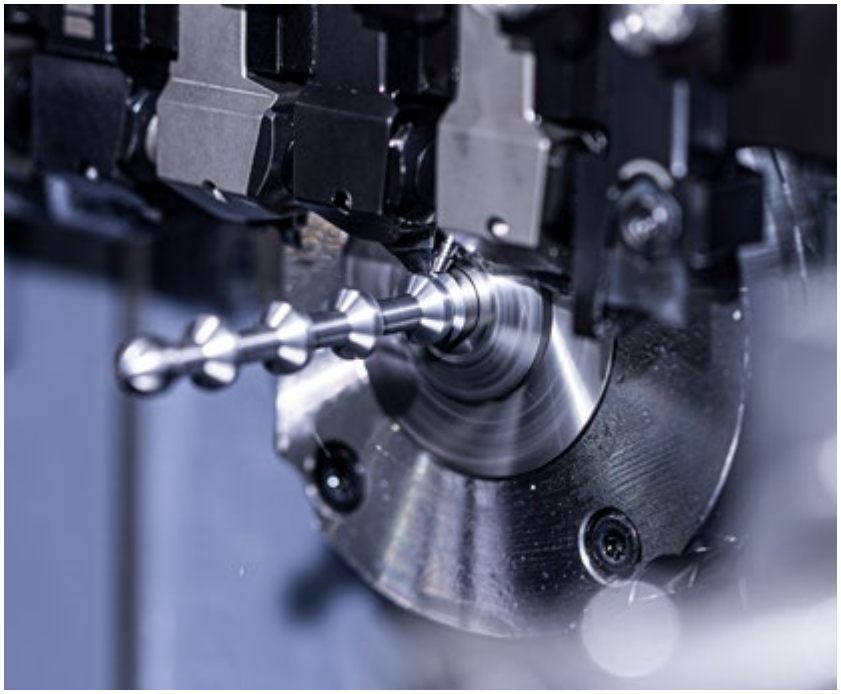


PRECISION OVER GENERATIONS

The rhythm of the lathes still echoes in the Schmidt family, now through modern machines. WhizCut is a leading name in CNC lathe tooling, with Chris Schmidt, Erik's youngest son, as Managing Director. He drives innovation locally and globally in the metal cutting industry.









Catalogue photos: WhizCut and tuana.se

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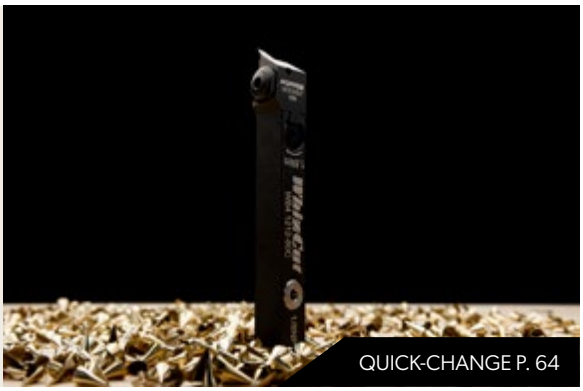
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NEWS

WHIZFIX 2.0

WhizFix 2.0 is a modular tool holder system engineered for maximum efficiency. Seamless operation, a speed-stable interface, and one-hand tool changes deliver improved productivity and repeatability.



QUICK-CHANGE P. 64

WHIZCUT ORIGINAL - AP INSERT

Designed for outstanding chip control in groove turning applications, the AP series combines high precision, stability and reliable chip breaking in both radial and axial directions. A versatile insert that can handle both groove turning and turning, for greater flexibility.



AP VERSATILITY P. 16



GRADES & MATERIAL

CARBIDE GRADE DETAILS

WhizCut coated carbide tools deliver high performance and long tool life in modern machining, especially in CNC Swiss automatic lathes. Advanced coatings provide exceptional wear resistance, lower friction, and improved heat control, making the tools ideal for everything from high-speed operations to demanding materials.

The following pages present WhizCut's carbide grades, each tailored for specific machining applications. For extended technical guidance including **turning recommendations, thread milling recommendations, and drilling recommendations** visit our website whizcut.com, where additional support and detailed application data is available.

UNCOATED GRADES

7M, 8M - Uncoated carbide grades

Uncoated carbide grades 7M and 8M are fully ground carbide grades with sub-micron grain structure achieving 1850Hv in hardness resulting in excellent wear resistance together with an edge radius of 3 microns. Ideal for machining micro parts, Ø1mm and below, where maximum sharpness is beneficial.

9M, 10M - Uncoated carbide grades

9M and 10M are fully ground carbide grades with sub-micron grain structure. Tougher grades than uncoated grades 7 and 8. For optimizing the cutting condition of round tools like drills and boring bars while maintaining an edge radius of 3 microns. Ideal for micro internal machining where maximum sharpness is beneficial, Ø1mm and below.

COATED GRADES

C7, C8, C10 - TiN coated carbide grades

C7, C8 and C10 are TiN coated M grades 7, 8 and 10. Reduces coefficient of friction during machining, resulting in less built up edges and smoother chip evacuation. Ideal for machining low alloyed automatic steels and nickel based alloys. Will be replaced in the future with honed and coated grade ND (7, 8, 10) where equal tool life is achieved with better surface finish.

F7, F8, F10 - AlTiN coated carbide grades

F7, F8 and F10 are AlTiN coated M grades 7, 8, 10. Improves heat resistance during machining, resulting in prolonged tool life in applications where coolant can't be utilized, or during machining materials with low thermal conductivity. Ideal for machining stainless steel and various high temperature alloys.

B7, B8, B9, B10 - AlCrN coated carbide grades

B7, B8, B9 and B10 are micron thickness AlCrN coated M grades 7, 8, 9, 10. The thin coating maintains the sharpness of the cutting edge, and achieves the performance of a coated tool. Resulting in prolonged tool life during machining small parts, Ø6mm and below, or where low cutting speeds are prominent. Ideal for machining titanium and small stainless steel parts, Ø3mm or smaller, and for thread-milling micro threads, M3 and below.

COATED GRADES

T7, T8, T10 - Ta-C carbon coated carbide grades

T7, T8 and T10 are sub-micron Ta-C carbon coated M grades 7, 8, 10. The thin coating maintains the sharpness of the cutting edge, and at the same time achieves the performance of a coated tool. Ideal for machining non ferrous such as aluminium and copper, and also non metallic materials such and composites and plastics.

HONED & COATED

NF8 - Honed and AlTiN coated carbide grades

NF8 is a AlTiN coated carbide grade coated with a 5 micron edge hone. Same mechanical properties as coated grade F8. The honing generates a strong and slightly rounded edge which is ideal for machining parts with interrupted cuts or where a smoother surface finish is required. Ideal for machining medium size parts, Ø6mm and above, in stainless steel and various high temperature alloys.

ND7, ND8, ND10 - Honed and AlCrN coated carbide grades

ND7, ND8 and ND10 are AlCrN coated M grades 7, 8, 10 with a 5 micron edge hone. Same mechanical properties as coated grade B7, B8, B10, but with an increased coating thickness. The honing generates a stronger and slightly rounded edge which is ideal for machining parts with interrupted cuts or where a smoother surface finish is required. Ideal for machining medium size parts, Ø6mm and above, in all steels and nickel based alloys.

A9 - Honed and TiAlCN coated carbide grade

A9 is TiAlCN coated and honed carbide grade. This generates a versatile tool with excellent chip evacuation. Ideal for thread milling medium and large threads, M3 and above, in all steels, stainless steels, superalloys, and cast irons.



MINIMUM ORDER

Package sizes/MOQ

The standard package sizes and minimum order quantity are shown in the table. WhizCut has begun transitioning to recycled plastic containers for our packaging.

Tool	Tool type	MOQ
J/K11, J/K15, H/T13, U2/U3	INSERTS	10
J/K20	INSERTS	5
C3/4	BORING BARS	5
C5	BORING BARS	3
C6/8	BORING BARS	1
N	THREAD MILLS	1

ONLINE

FIND MY MATERIAL

For extended technical guidance, including turning, thread-milling, and drilling recommendations go to whizcut.com. Use the material search function to find the ideal cutting parameters for your application.



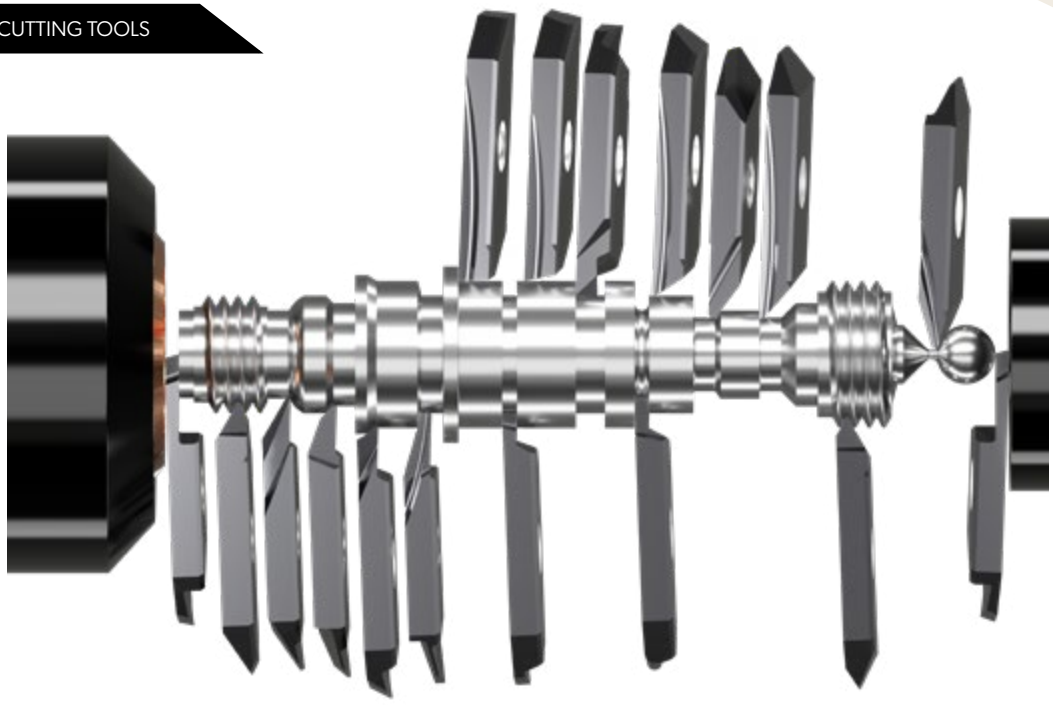
WHIZCUT ORIGINAL

Precision made easy. With a secure insert seat, premium materials, and advanced geometries, WhizCut Original boosts productivity in Swiss-type machining. Just two tool holders cover most external applications, making your setup simpler and your results sharper.

EXTERNAL TOOLING

One product line with endless options to improve your Swiss turning operation

CUTTING TOOLS



BETTER PERFORMANCE

TWO WHIZCUT ORIGINAL OPTIONS COVER ALL APPLICATIONS



WhizCut Original inserts feature sharp, fully ground cutting edges for the best machining performance.

- J-type: Turning, groove turning, reverse turning – angled pocket for precision.
- K-type: Back turning, threading, grooving, parting off – holders designed for maximum reach.

WHIZCUT ORIGINAL J-TYPE

AXIAL MACHINING



- Turning
- Groove turning
- Reverse turning

MORE INFO PAGE 11



WHIZCUT ORIGINAL K-TYPE

RADIAL TURNING

- Back turning
- Threading
- Grooving
- Parting off

MORE INFO ON P. 23

TWO TOOL HOLDERS

FOR ALL TYPES OF EXTERNAL CUTTING OPERATIONS

With WhizCut Original inserts, you only need two tool holders for almost any external cutting application, J-type and K-type. Simplify your setup and maximize efficiency! WhizCut Original inserts, crafted from premium carbide and advanced coatings, maintain part size longer, enable higher cutting data, and reduce cycle and downtime.

J-TYPE

THE IDEAL MIX OF RAKES, SHAPES, CORNERS, CHIPS, AND GRADES

WhizCut's J-type turning inserts are precision-engineered to provide optimal clearance and exceptional stability during axial machining.

These inserts are angled in the tool holder to enhance performance and are fully compatible with all WhizCut tool holder ranges. Using the stable J-type tool holders, you get optimal reliefs for all turning applications.

The J-type inserts are suitable for a wide range of materials, including stainless steel, titanium, aluminum, high-temperature alloys, and hardened steels.

WhizCut Original J-type inserts and tool holders are engineered for optimal performance in: turning, copy turning, profiling, groove turning and reverse turning.

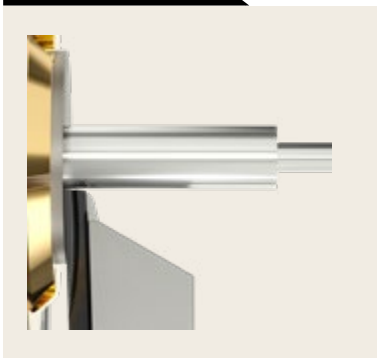


TILTED IN THE TOOL HOLDER

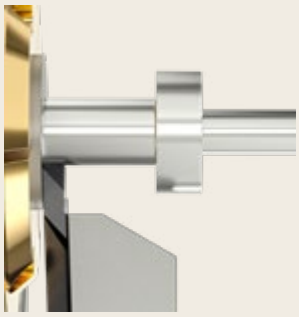
By tilting the J-type insert in the tool holder, we achieve maximum clearance and excellent stability.

APPLICATIONS J-TYPE

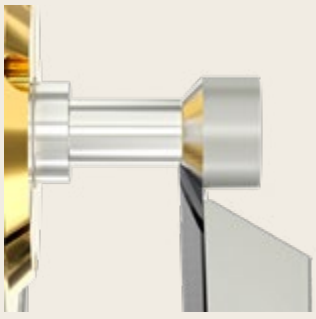
TURNING P. 12



GROOVE TURNING P. 16



REVERSE TURNING P. 18





TECHNICAL

TURNING

HIGH PERFORMANCE IN TOUGH MATERIALS

WhizCut Original turning inserts are designed for exceptional results in CNC Swiss machines. They feature positive cutting rakes available in various angles for optimal performance.

The standing insert design ensures stability, allowing for reliable precision machining even in demanding conditions. These inserts can handle up to 11 mm depth across materials, delivering a high-quality surface finish.



GROUND TURNING INSERTS

EXTREME PERFORMANCE AND TOOL LIFE

Instead of using standard ISO inserts and multiple tool holders, you get the perfect tool for each part with just one holder. WhizCut Original ground turning inserts provide optimal axial relief within the same holder, ensuring strength and excellent chip control.

- Range from H-style with 3 degrees of axial relief to M-style with 72,5 degrees.
- Tight tolerance radius and wipers can eliminate the need for secondary grinding processes.

TURNING

Sharp edges
Axial relief
Tight tolerances
Superior finish

FOR STICKY AND EXOTIC MATERIALS

P-LINE: POSITIVE RADIAL RAKE ANGLE

WhizCut Original P-line turning inserts are designed for machining titanium, stainless steel, and carbon steel. With a positive radial rake angle (6°–12°), they deliver excellent surface finishes in copy turning, reduce cutting pressure, and extend tool life.

They share the same geometry as H, J, D, N, V, and M lines, differing only in rake angle. P-line inserts efficiently break chips, minimize built-up edges, and are ideal for coolant-through tool holders. This makes them a reliable choice for versatile, high-performance machining.

WHIZGUIDE

SELECT THE IDEAL INSERT

1 AXIAL RELIEF VS. COMPONENT OPTIONS

- **3°** Stronger tool and smoother finish.
- **12°** Strong tool and good finish.
- **33°** Medium strong tool, wiper good for smooth finish.
- **48-53°** Less strong tool, for smooth finish.



Small axial relief: stronger tool



Large axial relief: weaker tool

2 FEED RATE, CHIP CONTROL, AND SURFACE FINISH

- **Style H** = Medium to high feed rate, great surface finish.
- **Style J** = Highest feed rate, best chip control with high feed rate.
- **Style D, N & V** = Low to moderate feed rate, best surface finish.
- **Style M** = All feed rates, dependent on surface finish needed. Shaving style insert makes the chips wider and easy to control with less cutting pressure.
- **Style HP, JP, D/N/V/MP** = Low to moderate feed rate with 12° cutting rake, and moderate to high feed rate with 6° and 8° cutting rake. Improved surface and part dimensions due to positive radial cutting rake and lower cutting pressure.

3 AXIAL RAKE ANGLE VS. MATERIAL

- **0-2°** For short-chipping materials.
- **6-8°** For harder long-chipping materials.
- **12°** For long-chipping materials.
- **16-20°** For sticky long-chipping materials.
- **P-line** When low cutting pressure is needed, aggressive cutting rakes give less edge build up. Stainless, exotics and steel.



0-2° 6-8° 12° 16-20°

Inserts seen from front.

4 CORNER ALTERNATIVES

- **Sharp corner** = Min. Cutting force - component is weak.
- **Wiper** = For higher feed rates - better surface finish.
- **Radius** = Stronger tool, radius dependent on component.
- **Wiper and radius** = For higher feed-rate - better surface.

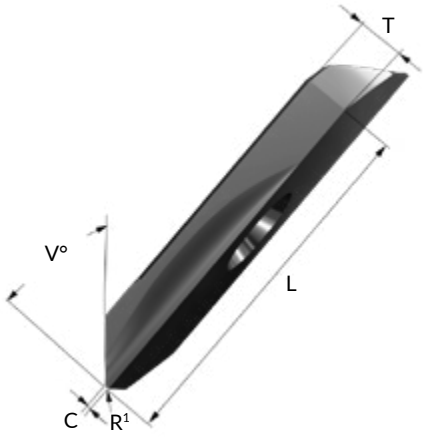


Sharp corner Wiper Full radius Radius + wiper

BENEFITS

- CUTTING RAKES
  Different rakes optimize machining performance.
- RADIAL RAKE ANGLE IDEAL FOR TITANIUM AND STAINLESS STEEL
  Reduces built-up edges, better surface finish, chip control and extended tool life.
- TOOL HOLDERS
  Quick-change, coolant-through options for efficiency.
- SHARP CUTTING EDGES
  Unique design of the turning inserts to reduce cutting pressure.

TABLES INSERTS



Radial rake angle: HP, JP, DP





Turning: style H, HP, J, JP
H = 3°, J = 12°



Copy turning: style D, DP, N, NP
D = 33°, N = 48°

INSERTS FOR TURNING | H, J, D, N, V

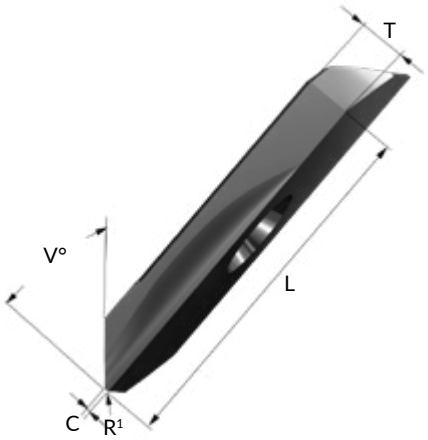
	Inserts	L	V	R1/R2	C	Axial rake angle	Radial rake angle	Max ap	8M	B8	C8	F8	ND8	NF8	T8	
H=3°	J11ER HP6-0	11	3°	0	0	6°	6°	4	●	●	-	●	●	-	-	
	J11ER HP6-05	11	3°	0,05	0	6°	6°	4	●	●	-	●	●	-	-	
	J15ER H6-0	15	3°	0	0	6°	2°	6	●	●	○	●	-	-	-	
	J15ER H16-0	15	3°	0	0	16°	2°	4	●	●	○	●	-	-	-	
	J15ER HP16-0	15	3°	0	0	16°	12°	4	●	●	-	●	-	-	○	
	J15ER HP16-03	15	3°	0,03	0	16°	12°	4	●	●	-	●	-	-	○	
	J15ER H6-05	15	3°	0,05	0	6°	2°	6	●	●	○	●	-	-	-	
	J15ER HP16-05	15	3°	0,05	0	16°	12°	4	●	●	-	●	-	-	○	
	J15ER HP8-1	15	3°	0,1	0	8°	12°	4	●	-	-	-	●	●	-	
	J15ER H16-1	15	3°	0,1	0	16°	2°	4	●	●	○	●	●	●	-	
	J15ER H6-2	15	3°	0,2	0	6°	2°	6	●	●	○	●	●	●	-	
	J15ER HP8-2	15	3°	0,2	0	8°	12°	4	●	-	-	-	●	●	-	
	J15ER H16-2	15	3°	0,2	0	16°	2°	4	●	●	○	●	○	○	-	
	J15ER HP16-2	15	3°	0,2	0	16°	12°	4	●	●	-	●	●	●	○	
	J15ER H16-4	15	3°	0,4	0	16°	2°	4	○	○	○	○	●	●	-	
	J15ER HP16-4	15	3°	0,4	0	16°	12°	4	●	○	-	○	●	●	-	
J=12° EQUIVALENT TO CCET GEOMETRY	J11ER J8-0	11	12°	0	0	8°	2°	4	●	●	○	●	-	-	-	
	J11ER J20-0	11	12°	0	0	20°	2°	3	●	●	○	●	-	-	○	
	J11ER J20-05	11	12°	0,05	0	20°	2°	3	●	●	○	●	-	-	○	
	J11ER J8-2	11	12°	0,2	0	8°	2°	4	●	●	○	●	●	●	-	
	J11ER J20-2	11	12°	0,2	0	20°	2°	3	●	●	○	●	○	○	○	
	J15ER J8-0	15	12°	0	0	8°	2°	6	●	●	○	●	●	-	-	
	J15ER JP12-0	15	12°	0	0	12°	12°	4	●	●	-	●	○	○	○	
	J15ER J20-0	15	12°	0	0	20°	2°	4	●	●	○	●	-	-	-	
	J15ER J8-1	15	12°	0,1	0	8°	2°	6	●	●	○	●	●	●	-	
	J15ER J20-1	15	12°	0,1	0	20°	2°	4	●	●	○	●	○	○	-	
	J15ER JP20-1	15	12°	0,1	0	20°	12°	4	●	●	-	●	○	○	○	
	J15ER J8-2	15	12°	0,2	0	8°	2°	6	●	●	○	●	●	●	-	
	J15ER J20-2	15	12°	0,2	0	20°	2°	4	●	●	○	●	○	○	-	
	J15ER J8-4	15	12°	0,4	0	8°	2°	6	●	○	●	○	○	-	-	
	J20ER J8-2	20	12°	0,2	0	8°	2°	10	●	●	○	●	●	●	-	
	J20ER J20-2	20	12°	0,2	0	20°	2°	10	●	●	○	●	●	●	○	
	J20ER J8-4	20	12°	0,4	0	8°	2°	10	●	●	○	●	●	●	-	
	J20ER J20-4	20	12°	0,4	0	20°	2°	10	●	●	○	●	●	●	-	
	J20ER JP20-4	20	12°	0,4	0	20°	12°	6	●	●	-	●	●	●	○	
D=33° EQUIVALENT TO DCET GEOMETRY	J11ER D2-0-1	11	33°	0	0,12	2°	2°	3	●	●	○	●	-	-	-	
	J11ER D12-0-1	11	33°	0	0,12	12°	2°	3	●	●	○	●	-	-	-	
	J11ER D2-0	11	33°	0,02	0	2°	2°	3	●	●	○	●	-	-	○	
	J11ER D12-0	11	33°	0,02	0	12°	2°	3	●	●	○	●	-	-	○	
	J11ER D12-05	11	33°	0,05	0	12°	2°	3	●	●	○	●	-	-	○	
	J15ER D2-0-2	15	33°	0	0,2	2°	2°	4	●	●	○	●	-	-	-	
	J15ER D12-0-2	15	33°	0	0,2	12°	2°	6	●	●	○	●	-	-	-	
	J15ER D2-0	15	33°	0,02	0	2°	2°	4	●	●	○	●	-	-	○	
	J15ER D12-0	15	33°	0,02	0	12°	2°	6	●	●	○	●	-	-	-	
	J15ER DP12-0	15	33°	0,02	0	12°	12°	4	●	●	-	●	-	-	○	
	J15ER DP12-05	15	33°	0,05	0	12°	12°	4	●	●	-	●	-	-	○	
	J15ER DP12-1	15	33°	0,1	0	12°	12°	4	●	●	-	●	○	○	○	
	J15ER D16-1	15	33°	0,1	0	16°	2°	6	●	●	○	●	○	○	-	
	J15ER DP12-15	15	33°	0,15	0	12°	12°	4	●	●	-	●	○	○	○	
	J15ER D12-1-3	15	33°	0,15	0,3	12°	2°	6	●	●	○	●	●	●	-	
	J15ER DP12-2	15	33°	0,2	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER D12-2-6	15	33°	0,2/0,05	0,6	12°	2°	6	●	●	○	●	●	○	-	NEWS
	J15ER DP8-4	15	33°	0,4	0	8°	12°	4	●	-	-	-	●	●	-	
	J15ER D12-4	15	33°	0,4	0	12°	2°	6	○	○	○	○	●	●	-	
	J20ER D2-2-5	20	33°	0,2	0,5	2°	2°	8	●	●	○	●	●	●	-	
	J20ER D12-2-5	20	33°	0,2	0,5	12°	2°	10	●	●	○	●	●	●	-	
	J20ER D12-2	20	33°	0,2	0	12°	2°	10	●	●	○	○	●	○	-	NEWS
	J20ER D12-4	20	33°	0,4	0	12°	2°	10	●	●	○	○	●	○	-	

● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES INSERTS

INSERTS FOR TURNING | H, J, D, N, V



Radial rake angle: NP, VP





Profiling: style N, NP, V, VP
N = 48°, V = 53°

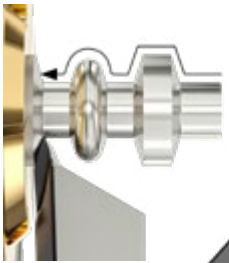
CONTINUED

	Inserts	L	V	R1/R2	C	Axial rake angle	Radial rake angle	Max ap	8M	B8	C8	F8	ND8	NF8	T8	
N=48°	J11ER N12-0-2	11	48°	0	0,2	12°	2°	4	○	○	-	○	-	-	-	NEWS
	J11ER NP12-0-2	11	48°	0	0,2	12°	6°	3	○	○	-	○	-	-	-	
	J11ER NP12-05-1	11	48°	0,05	0,15	12°	6°	3	○	○	-	○	-	-	-	
	J11ER NP12-052	11	48°	0,05/0,2	0	12°	6°	3	○	○	-	○	-	-	-	
	J15ER N2-0-2	15	48°	0	0,2	2°	2°	4	●	●	○	●	-	-	-	
	J15ER N12-0-2	15	48°	0	0,2	12°	2°	6	●	●	○	●	-	-	-	
	J15ER NP12-0-2	15	48°	0	0,2	12°	12°	4	●	●	-	●	-	-	-	
	J15ER NP12-03-1	15	48°	0,03	0,15	12°	12°	4	●	●	-	●	-	-	-	
	J15ER NP12-05-1	15	48°	0,05	0,15	12°	12°	4	●	●	-	●	-	-	-	
	J15ER NP12-08	15	48°	0,08	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER N2-1-3	15	48°	0,1	0,3	2°	2°	4	●	●	○	●	-	-	-	
	J15ER N12-1-3	15	48°	0,1	0,3	12°	2°	6	●	●	○	●	●	●	-	
	J15ER NP12-1-3	15	48°	0,1	0,3	12°	12°	4	●	●	-	●	●	●	-	
	J15ER NP12-2	15	48°	0,2	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER NP12-052	15	48°	0,05/0,2	0	12°	12°	4	●	●	-	●	-	-	○	
	J20ER N2-2-5	20	48°	0,2	0,5	2°	2°	5	●	●	○	●	●	●	-	
	J20ER N12-2-5	20	48°	0,2	0,5	12°	2°	11	●	●	○	●	○	○	-	
V=53° EQUIVALENT TO VCET GEOMETRY	J11ER V12-05	11	53°	0,05	0	12°	2°	4	●	●	○	●	-	-	○	
	J11ER V2-1	11	53°	0,1	0	2°	2°	3	●	●	○	●	-	-	○	
	J11ER V12-2	11	53°	0,2	0	12°	2°	4	●	●	○	●	○	○	○	
	J15ER V2-0-2	15	53°	0	0,2	2°	2°	4	●	●	○	●	-	-	-	
	J15ER VP12-03	15	53°	0,03	0	12°	12°	4	○	○	-	●	-	-	○	
	J15ER V2-05-2	15	53°	0,05	0,2	2°	2°	4	●	○	○	●	○	○	-	
	J15ER VP12-05	15	53°	0,05	0	12°	12°	4	●	●	-	●	-	-	○	
	J15ER VP12-08	15	53°	0,08	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER V2-1	15	53°	0,1	0	2°	2°	4	●	●	○	●	-	-	○	
	J15ER VP12-15	15	53°	0,15	0	12°	12°	4	●	●	-	●	○	-	○	
	J15ER V12-2	15	53°	0,2	0	12°	2°	6	●	●	○	●	●	●	○	
	J15ER VP12-2	15	53°	0,2	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER V12-2-28	15	62°	0,2	0	12°	2°	6	●	●	○	●	-	-	-	NEWS
	J15ER V12-4	15	53°	0,4	0	12°	2°	6	●	●	○	●	●	●	○	
	J15ER VP12-4	15	53°	0,4	0	12°	12°	4	●	●	-	●	●	●	○	
	J15ER V12-4-28	15	62°	0,4	0	12°	2°	6	●	●	○	●	○	○	-	NEWS
	J20ER V12-2	20	53°	0,2	0	12°	2°	10	●	○	-	●	○	●	○	
	J20ER V12-4	20	53°	0,4	0	12°	2°	10	-	-	-	-	●	●	○	

● Stock standard, ○ Delivery on request, - Not available.

MORE INSERTS ONLINE

For left J-type turning inserts style J, D, N, V and tooling news visit: whizcut.com



INSERTS FOR PROFILING & COPY TURNING | M

	Inserts	L	t	V	R	Axial rake angle	Radial rake angle	Max ap	8M	B8	C8	F8	ND8	NF8	T8	
VCET GEOMETRY	J15ER M12-08	15	1,3	72.5°	0,08	12°	6°	3	●	●	○	●	-	-	-	
	J15ER MP12-1	15	1,3	72.5°	0,1	12°	12°	3	●	●	-	○	○	-	-	NEWS
	J15ER MP12-2	15	1,3	72.5°	0,2	12°	12°	3	●	●	-	●	-	○	-	
	J15ER M12-2	15	1,3	72.5°	0,2	12°	6°	3	●	●	○	●	●	●	-	
	J15ER MP12-4	15	1,3	72.5°	0,4	12°	12°	3	●	●	-	●	●	○	-	

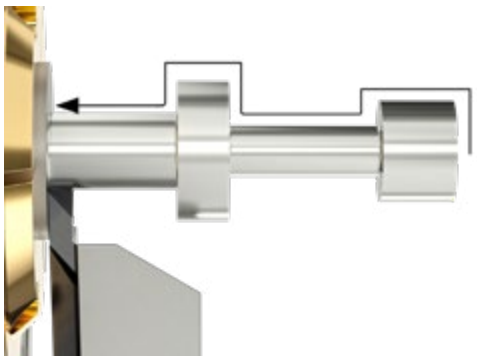
● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

GROOVE TURNING

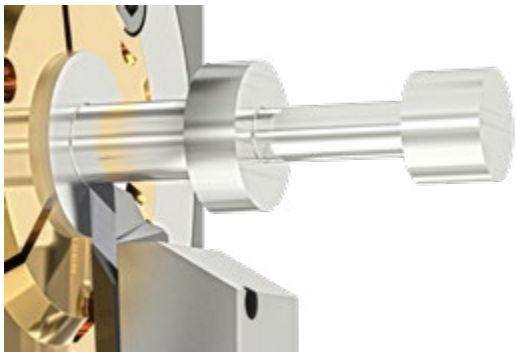
ONE-PASS GROOVING EFFICIENCY

Optimize your groove turning with WhizCut Original inserts. These cutting tools can plunge to maximum depth and turn in one pass, reducing cycle time and tool changes. Ideal for parts with various grooves, wide grooves, or multiple 90° corners. Using a single insert can notably cut cycle times.



GROOVE TURNING

Tight tolerances
Controlled depth
Clean edges
Repeatable accuracy



STRAIGHT GROOVES

GET THE PERFECT SURFACE FINISH

Machining parts with multiple grooves can be time-consuming, but WhizCut Original A-style inserts enable single-pass grooving and turning for straight grooves and superior surface finish.

J-type tools, with sharp edges and positive rake angles, deliver excellent chip control and low cutting pressure —perfect for even the smallest parts and tasks conventional tools can't handle.

For radial turning, use K-type inserts and holders. WhizCut groove turning inserts are available in widths from 0.3 to 3 mm, with options for flat tops, positive rake angles, and various radii.

NEW: AP VERSATILITY

GROOVE TURNING & RELIABLE TURNING

The new AP range combines reliable chip breaking in both radial and axial directions with high stability and versatile machining capabilities. Suitable for both groove turning and turning.

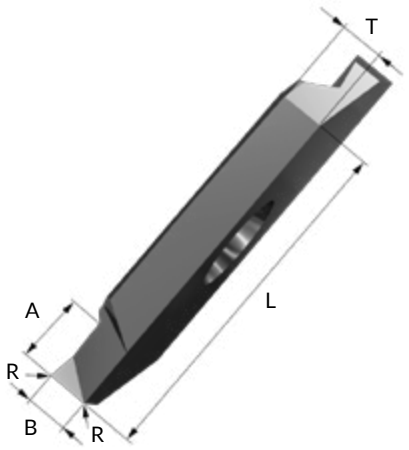


Learn more about the AP series: whizcut.com

BENEFITS

- **EFFICIENT GROOVING**
  Machine wider grooves in a single tool pass with WhizCut Original.
- **VERSATILE TOOLING**
  One insert can handle multiple operations.
- **PLUNGE AND TURN**
  WhizCut Original inserts eliminate the need for multiple plunging, reducing cycle times in your CNC machine.
- **PRECISION GROOVING**
  Ideal for tight tolerance grooving or when various groove sizes are required.

TABLES INSERTS



INSERTS FOR GROOVE TURNING | A

Inserts	L	B	A	R	Rake angle	8M	B8	C8	F8	ND8	T8
J11ER A0-03-0	11	0,2	0,3	0	0°	●	●	○	○	-	○
J11ER A0-05-0	11	0,3	0,5	0	0°	●	●	○	○	-	-
J11ER A0-08-0	11	0,5	0,8	0	0°	●	●	○	●	-	-
J11ER A0-08-03	11	0,5	0,8	0,03	0°	●	●	○	●	-	○
J11ER A0-20-0	11	1,3	2	0	0°	●	●	○	●	-	○
J11ER A12-20-0	11	1,3	2	0	12°	●	●	○	●	-	○
J11ER A12-20-2	11	1,3	2	0,2	12°	●	●	-	●	○	○
J15ER A0-03-0	15	0,2	0,3	0	0°	●	●	-	●	-	○
J15ER A0-05-0	15	0,3	0,5	0	0°	●	●	-	●	-	○
J15ER A0-08-0	15	0,5	0,8	0	0°	●	●	○	●	-	-
J15ER A12-08-0	15	0,5	0,8	0	12°	●	●	-	●	-	-
J15ER A12-08-05	15	0,5	0,8	0,05	12°	●	●	-	○	-	○
J15ER A0-08-03	15	0,5	0,8	0,03	0°	●	●	○	●	○	○
J15ER A0-08-05	15	0,5	0,8	0,05	0°	●	●	○	●	○	-
J15ER A0-12-0	15	0,75	1,2	0	0°	●	●	○	●	○	○
J15ER A12-12-0	15	0,75	1,2	0	12°	●	●	○	●	-	-
J15ER A0-12-05	15	0,75	1,2	0,05	0°	●	●	○	●	○	-
J15ER A12-12-05	15	0,75	1,2	0,05	12°	●	●	○	●	○	-
J15ER A0-16-0	15	1	1,6	0	0°	●	●	○	●	○	-
J15ER A12-16-0	15	1	1,6	0	12°	●	●	○	●	-	-
J15ER A12-16-05	15	1	1,6	0,05	12°	●	●	○	●	○	○
J15ER A12-16-1	15	1	1,6	0,1	12°	○	○	○	○	○	-
J15ER A0-24-0	15	1,5	2,4	0	0°	●	●	○	●	●	-
J15ER A12-24-0	15	1,5	2,4	0	12°	●	●	○	●	●	-
J15ER A12-24-08	15	1,5	2,4	0,08	12°	●	●	○	●	○	○
J15ER A12-24-1	15	1,5	2,4	0,1	12°	●	●	○	●	●	-
J15ER A12-40-0	15	2	4*	0	12°	●	●	○	●	●	-
J15ER A12-40-1	15	2	4*	0,1	12°	●	●	○	●	●	
J15ER A12-40-2	15	2	4*	0,2	12°	●	●	○	●	●	
J20ER A0-3-0	20	2	3	0	0°	●	●	○	●	-	
J20ER A0-5-0	20	3	5*	0	0°	●	●	○	●	-	
J20ER A12-3-0	20	2	3	0	12°	●	●	○	●	-	
J20ER A12-3-1	20	2	3	0,1	12°	●	●	○	●	●	
J20ER A12-5-0	20	3	5*	0	12°	●	●	○	●	-	
J20ER A12-5-2	20	3	5*	0,2	12°	●	●	○	●	●	

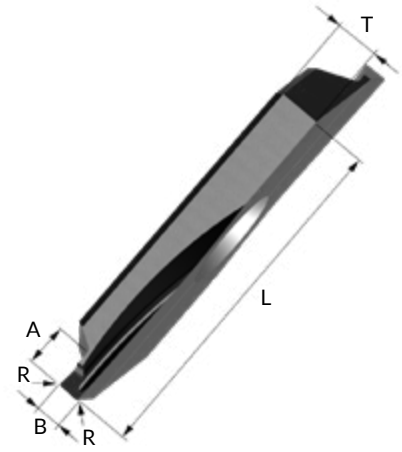
● Stock standard, ○ Delivery on request, - Not available.

* Alteration needed to toolholder to max A.

MORE INSERTS ONLINE

For left J-type turning inserts style A visit: whizcut.com

INSERTS FOR GROOVE TURNING | AP



Inserts	L	B	A**	R	Radial rake angle	Axial rake angle	Max AP**	8M	B8	C8	F8	ND8
J11EL AP6-16-0	11	1	1,6	0	6°	8°	4,5	○	○	-	○	○
J11EL AP6-16-05	11	1	1,6	0,05	6°	8°	4,5	○	○	-	○	○
J11ER AP6-16-0	11	1	1,6	0	6°	8°	4,5	○	○	-	○	○
J11ER AP6-16-05	11	1	1,6	0,05	6°	8°	4,5	○	○	-	○	○
J15ER AP6-16-0	15	1	1,6	0	6°	8°	4,5	●	●	-	●	○
J15ER AP6-16-05	15	1	1,6	0,05	6°	8°	4,5	●	●	-	●	○
J15ER AP6-24-0	15	1,5	2,4	0	6°	8°	5,5	●	●	-	●	○
J15ER AP6-24-08	15	1,5	2,4	0,08	6°	8°	5,5	●	●	-	●	●
J15ER AP6-24-1	15	1,5	2,4	0,1	6°	8°	5,5	●	●	-	●	●
J15ER AP6-40-0	15	2	4*	0	6°	8°	5,5	●	●	-	●	●
J15ER AP6-40-1	15	2	4*	0,1	6°	8°	5,5	●	○	-	●	●
J15ER AP6-40-15	15	2	4*	0,15	6°	8°	5,5	●	○	-	●	●
J15ER AP6-40-2	15	2	4*	0,2	6°	8°	5,5	●	○	-	●	●
J20ER AP6-50-1	20	3	5*	0,1	6°	8°	7,5	○	○	-	○	○
J20ER AP6-50-2	20	3	5*	0,2	6°	8°	7,5	○	○	-	○	○
J20ER AP6-50-4	20	3	5*	0,4	6°	8°	7,5	○	○	-	○	○

NEWS

* Alteration needed to toolholder to max A.

**Max Ap is for front turning, A is plunge groove depth

TECHNICAL

REVERSE TURNING

BURR-FREE, SHARP CORNERS AND SUPERIOR FINISH

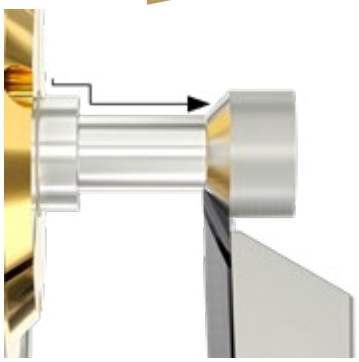
Machining sharp corners with a very small radius is demanding. Because the cutting edge is constantly engaged and must stay extremely sharp, it wears out quickly, which can reduce precision.

By applying reverse turning with WhizCut Original style F, the rear radius of the insert is protected, significantly expanding tool life. This method not only extends the durability of the cutting tools but also enables the use of the WhizCut double radius. With this approach, the leading radius can be larger, resulting in improved performance with better surface finish at higer feed rates.

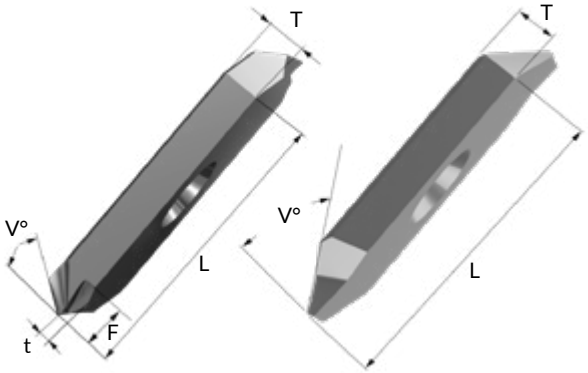
BENEFITS

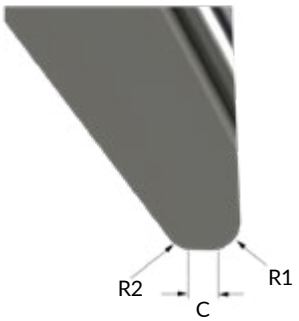
- **BURR-FREE SHARP CORNERS**
  Reverse turning removes burrs from the edge, producing clean corners directly off the machine.
- **PROTECTED RADIUS WITH DOUBLE-RADIUS**
  Protects the finishing edge while allowing a larger radius.
- **LONGER TOOL LIFE**
  Wear is shifted to stronger areas of the insert.
- **LOW CUTTING FORCES, SUPERIOR FINISH**
  Reduced cutting forces deliver smooth finishes, stable cutting conditions, and reliable chip control.

REVERSE TURNING
Angled pocket
Rigid setup
Clean profiles
Reliable finish



TABLES INSERTS





FOR REVERSE TURNING | F

Inserts	V	R1	R2	C	t	F	Rake angle	Max ap	8M	B8	C8	F8	ND8	NF8	T8
J15ER FD16-0320	33°	0,03	0,2	0	0,6	3	16°	0,8	●	○	○	●	-	-	-
J15ER FD16-0520	33°	0,05	0,2	0	0,6	3	16°	0,8	●	○	○	●	○	-	-
J15ER FN8-0520C	48°	0,05	0,2	0,05	0	-	8°	1,1	○	○	-	○	-	-	-
J15ER FN8-1020C	48°	0,1	0,2	0,1	0	-	8°	1,1	○	○	-	○	-	-	○
J15ER FN20-1818C	48°	0,18	0,18	0,03	0	-	20°	1	●	●	-	●	○	-	○
J15ER FV16-0320C	62°	0,03	0,2	0,03	0	-	16°	2	○	○	-	○	○	●	-

● Stock standard, ○ Delivery on request, - Not available.

J-TYPE TOOL HOLDERS

WHIZCUT ORIGINAL HOLDERS FOR EXTERNAL TURNING

The WhizCut J-type holder maximizes stability by integrating the insert seamlessly into the machine. Clamping the insert at an angle ensures maximum stability and perfect center height with added rigidity. Use WhizCut Original J-type cutting inserts with matching holders for front turning.

J-TYPE TOOL HOLDERS FOR: TURNING, COPY TURNING, PROFILING, GROOVE TURNING AND REVERSE TURNING





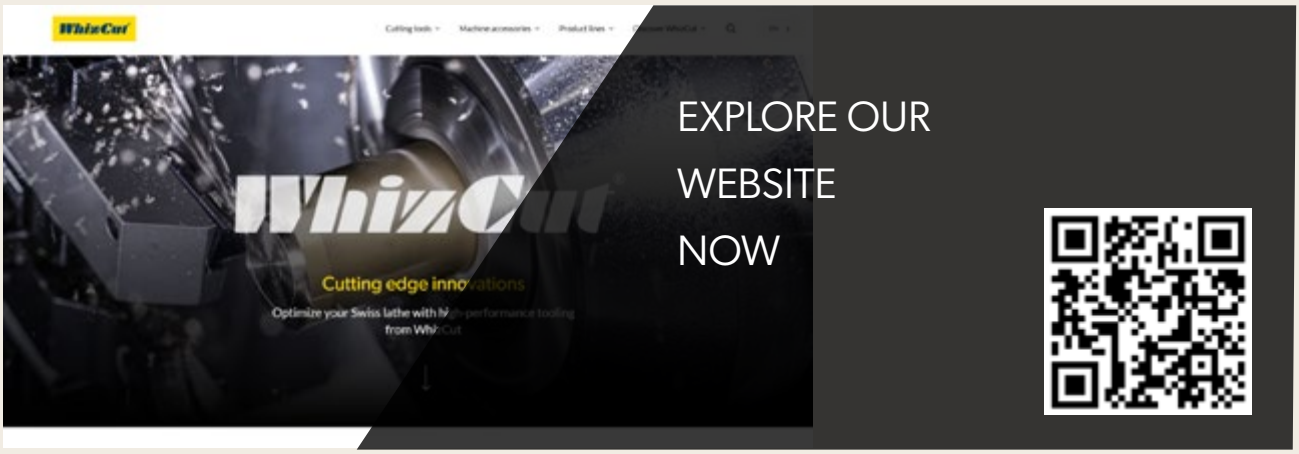
- **J-TYPE TOOL HOLDERS BOOSTS STABILITY, CUTS COSTS**
  The diagonal tilt of the J-type tool holder strengthens the insert by maximizing the carbide under the cutting edge, ensuring stable turning and reducing costs by limiting carbide removal.



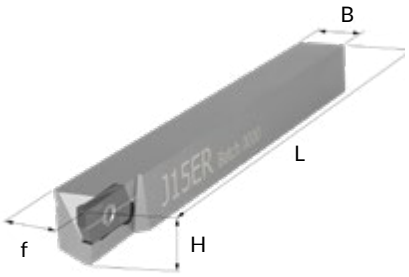
- **SUPERIOR STABILITY WITH NEW Y-AXIS HOLDER**
  The newly updated Y-axis tool holder line offers excellent stability and chip control, providing a great surface finish, efficient chip evacuation, and extended tool life for successful production.

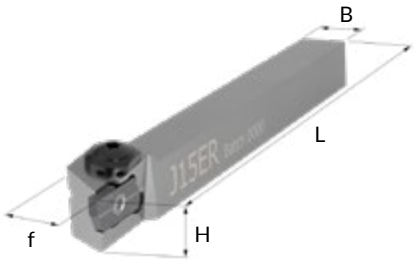
ONLINE

VISIT WHIZCUT.COM



TABLES TOOL HOLDERS





SCREW TYPE TOOL HOLDERS | WSJ

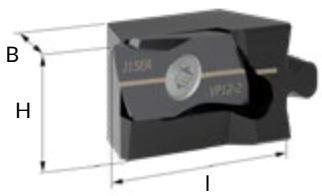
Tool holder	H	B	L	f	Insert	Coolant	Plug	Screw	Key	Stock
WSJ11ER 88H-8C	8	8	100	8	J11ER	●	M5X0,8	M2,5X6	T7IP	●
WSJ11ER 88K-8C	8	8	125	8	J11ER	●	M5X0,8	M2,5X6	T7IP	○
WSJ11ER 88K-8T	8	8	125	8	J11ER	-	-	M2,5X6	T7IP	●
WSJ15ER 0810H-8T	8	10	100	10	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 88K-8T	8	8	125	8	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 1010H-8C	10	10	100	12	J15ER	●	M8X1	M3X7	T9IP	●
WSJ15ER 1010K-8C	10	10	125	12	J15ER	●	M8X1	M3X7	T9IP	○
WSJ15ER 1010K-8T	10	10	125	10	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 1212H-8C	12	12	100	12	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 1212K-8C	12	12	125	12	J15ER	●	1/8" NPT	M3X7	T9IP	○
WSJ15ER 1212K-8T	12	12	125	12	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 0500H-8C	1/2"	1/2"	100	1/2"	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 0500K-8C	1/2"	1/2"	125	1/2"	J15ER	●	1/8" NPT	M3X7	T9IP	○
WSJ15ER 0500K-8T	1/2"	1/2"	125	1/2"	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 1616F-8C	16	16	85	16	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 1616K-8C	16	16	125	16	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 1616K-8T	16	16	125	16	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 0750K-8C	3/4"	3/4"	125	3/4"	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 2020K-8C	20	20	125	20	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 2020K-8T	20	20	125	20	J15ER	-	-	M3X7	T9IP	●
WSJ15ER 2525M-8T	25	25	150	25	J15ER	-	-	M3X7	T9IP	●
WSJ20ER 1212K-8T	12	12	125	12	J20ER	-	-	M4X10	T15	●
WSJ20ER 1216K-8C	12	16	125	16	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 0500K-8T	1/2"	1/2"	125	1/2"	J20ER	-	-	M4X10	T15	●
WSJ20ER 0516K-8C	1/2"	16	125	16	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 1616K-8C	16	16	125	16	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 1616K-8T	16	16	125	16	J20ER	-	-	M4X10	T15	●
WSJ20ER 2020K-8C	20	20	125	20	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 2020K-8T	20	20	125	20	J20ER	-	-	M4X10	T15	●
WSJ20ER 2525M-8C	25	25	150	25	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 2525K-8T	25	25	125	25	J20ER	-	-	M4X10	T15	●
WSJ20ER 1000M-8C	1"	1"	150	1"	J20ER	●	1/8" NPT	M4X10	T15	●
WSJ20ER 1000K-8T	1"	1"	125	1"	J20ER	-	-	M4X10	T15	●

● Stock standard, ○ Delivery on request, - Not available.

MORE TOOLS ONLINE

For left J-type tool holders style WSJ visit: whizcut.com





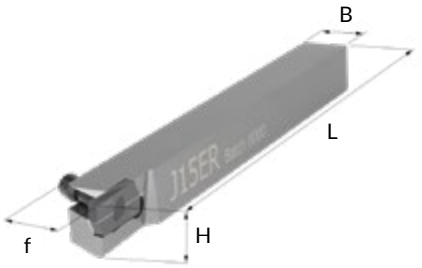
QUICK CHANGE HEADS - WHIZFIX 2.0 | WBJ

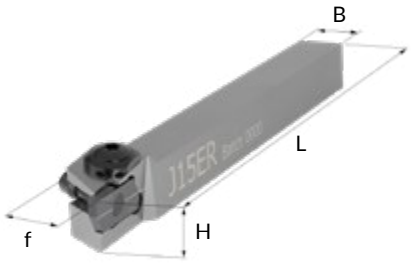
WhizFix 2.0 head	Interface	H	B	l	Coolant	Insert	Screw	Key	Stock
WB3 J15ER-22-8	WB3	10	10	22	-	J15ER	M3X7	T9IP	●
WB3 J15ER-22-8C	WB3	10	10**	22	●	J15ER	M3X7	T9IP	●
WB4 J15ER-22-8	WB4	12*	12	22	-	J15ER	M3X7	T9IP	●
WB4 J15ER-22-8C	WB4	12*	12	22	●	J15ER	M3X7	T9IP	●
WB5 J15ER-22-8	WB5	16	16	22	-	J15ER	M3X7	T9IP	●
WB5 J15ER-22-8C	WB5	16	16	22	●	J15ER	M3X7	T9IP	●
WB5 J20ER-32-8	WB5	16	16	32	-	J20ER	M4X10	T15	●
WB5 J20ER-32-8C	WB5	16	16	32	●	J20ER	M4X10	T15	●

● Stock standard, ○ Delivery on request, - Not available.
* 1/2" with 1/2" shank
** 12 mm wide at nozzle

MORE WHIZFIX 2.0 P. 64

TABLES TOOL HOLDERS

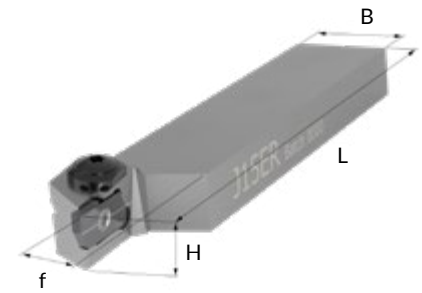




QUICK CHANGE PIN TYPE TOOL HOLDERS - WHIZFIX | WPJ

Tool holder	H	B	L	f	Insert	Coolant	Plug	Pin	Bit	Stock
WPJ11ER 88K-8T	8	8	125	8	J11ER	-	-	PIN 8	T15	●
WPJ11ER 1010K-8T	10	10	125	10	J11ER	-	-	PIN 8	T15	●
WPJ15ER 1010H-8C	10	10	100	10	J15ER	●	M8X1	PIN 12	T20	●
WPJ15ER 1010K-8C	10	10	125	10	J15ER	●	M8X1	PIN 12	T20	●
WPJ15ER 1010K-8T	10	10	125	10	J15ER	-	-	PIN 12	T20	●
WPJ15ER 1212F-8T	12	12	85	12	J15ER	-	-	PIN 12	T20	●
WPJ15ER 1212K-8C	12	12	125	12	J15ER	●	1/8" NPT	PIN 12	T20	●
WPJ15ER 1212K-8T	12	12	125	12	J15ER	-	-	PIN 12	T20	●
WPJ15ER 0500K-8C	1/2"	1/2"	125	1/2"	J15ER	●	1/8" NPT	PIN 12	T20	●
WPJ15ER 0500K-8T	1/2"	1/2"	125	1/2"	J15ER	-	-	PIN 12	T20	●
WPJ15ER 1616K-8C	16	16	125	16	J15ER	●	1/8" NPT	PIN 12	T20	●
WPJ15ER 1616K-8T	16	16	125	16	J15ER	-	-	PIN 12	T20	●
WPJ20ER 1212K-8T	12	12	125	12	J20ER	-	-	PIN 16	T25	●
WPJ20ER 1216K-8C	16	16	125	16	J20ER	●	1/8" NPT	PIN 16	T25	●
WPJ20ER 0500K-8T	1/2"	1/2"	125	1/2"	J20ER	-	-	PIN 16	T25	●
WPJ20ER 0516K-8C	1/2"	16	125	16	J20ER	●	1/8" NPT	PIN 16	T25	●
WPJ20ER 1616K-8C	16	16	125	16	J20ER	●	1/8" NPT	PIN 16	T25	●
WPJ20ER 1616K-8T	16	16	125	16	J20ER	-	-	PIN 16	T25	●
WPJ20ER 2020K-8C	20	20	125	20	J20ER	●	1/8" NPT	PIN 16	T25	●
WPJ20ER 2020K-8T	20	20	125	20	J20ER	-	-	PIN 16	T25	●

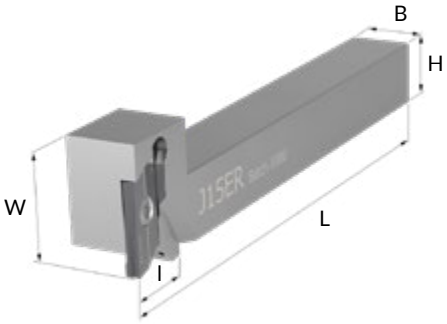
● Stock standard, ○ Delivery on request, - Not available.



SHIFTED EDGE TOOL HOLDERS | WSJ-C

Tool holder	H	B	L	f	Insert	Coolant	Plug	Screw	Key	Stock
WSJ15ER 1020H-8C	10	20	100	10	J15ER	●	M8X1	M3X7	T9IP	●
WSJ15ER 1224K-8C	12	24	125	12	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 0510K-8C	1/2"	1"	125	1/2"	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 1632K-8C	16	32	125	16	J15ER	●	1/8" NPT	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

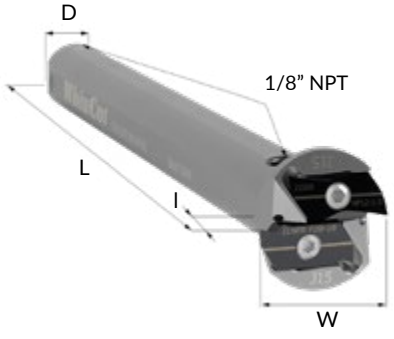


TOOL HOLDER FOR Y-AXIS TURNING | WSJ-Y

Tool holder	H	B	L	I	W	Insert	Coolant	Plug	Screw	Key	Stock
WSJ11ER 88H-8Y	8	8	100	15	19	J11ER	●	M5X0,8	M2,5X6	T7IP	●
WSJ15ER 1010H-8Y	10	10	100	15	21	J15ER	●	M8X1	M3X7	T9IP	●
WSJ15ER 1212H-8Y	12	12	100	15	21	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 0500H-8Y	1/2"	1/2"	100	15	21	J15ER	●	1/8" NPT	M3X7	T9IP	●
WSJ15ER 1616K-8Y	16	16	125	15	21	J15ER	●	1/8" NPT	M3X7	T9IP	●

NEWS

● Stock standard, ○ Delivery on request, - Not available.



ROUND TOOL HOLDERS WITH DOUBLE INSERT | DSJ

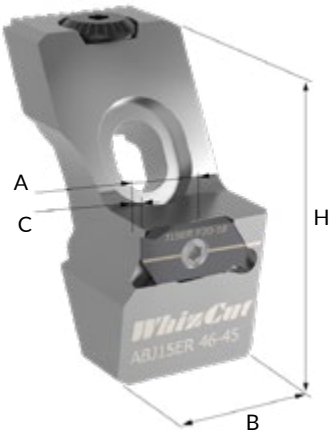
Tool holder	D	W	L	I	Insert	Coolant	Plug	Screw	Key	Stock
DSJ15ER 0625M-8C	5/8"	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0016M-8C	16	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0750G-8C *	3/4"	24	87	23	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0750M-8C	3/4"	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0020M-8C	20	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0022M-8C	22	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 0025M-8C	25	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●
DSJ15ER 1000M-8C	1"	24	150	40	J15ER	●	1/8" NPT	M3X7	T9IP	●

NEWS

● Stock standard, ○ Delivery on request, - Not available.

* New, shorter holders designed to fit the latest generation of Citizen machines.

TABLES TOOL HOLDERS



WHIZADJUST TOOL HOLDER HEAD | ABJ

Tool holder head	H	B	A	C-max doc	Max feed length	Insert	Screw	Key	Stock
ABJ15ER-46-45	46	24	10	2	45	J15ER	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

MORE WHIZADJUST P. 70

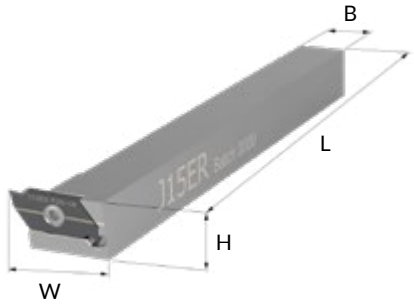


QUICK CHANGE HEADS - WHIZADAPT PZ | WAJ

WhizAdapt PZ head	Interface	H	B	I	Coolant	Insert	Screw	Key	Stock
WAJ15ER PZ1010-8	PZ10	10	10	22	●	J15ER	M3X7	T9IP	●
WAJ15ER PZ1212-8	PZ12	12*	12	22	●	J15ER	M3X7	T9IP	●
WAJ15ER PZ1616-8	PZ16	16	16	22	●	J15ER	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.
* 1/2" with 1/2" shank

MORE WHIZADAPT P. 74



SQUARE Z-AXIS TOOL HOLDERS | ZSJ

Tool holder	H	B	L	W	Insert	Screw	Key	Stock
ZSJ15ER 1212K-8T	12	12	125	20	J15ER	M3X7	T9IP	●
ZSJ15ER 1616K-8T	16	16	125	24	J15ER	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

NOTES

K-TYPE

THE IDEAL MIX OF RAKES, SHAPES, CORNERS, CHIPS, AND GRADES

WhizCut Original K-type inserts are versatile tools used for **back turning, threading, grooving, and parting off.** WhizCut offers an extensive range of these inserts, ensuring you always have the perfect tool for your specific application.

The tilted design of the K-type insert in the holder ensures that the cutting force is optimally supported by the holder, enhancing performance and precision.

The unique combination of relief angles and a stable insert pocket seat makes the K-type system ideal for use in Swiss-type lathes.

STABILITY IN RADIAL TURNING

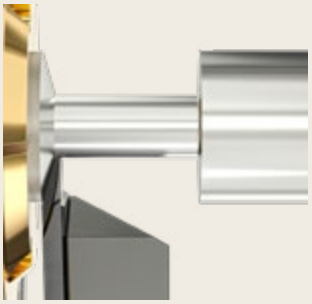
Designed with a slight tilt in the tool holder, K-type inserts provide excellent clearance and maximum stability.



APPLICATIONS K-TYPE



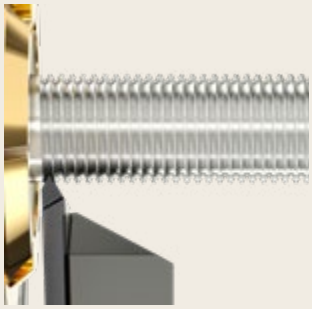
BACK TURNING P. 24



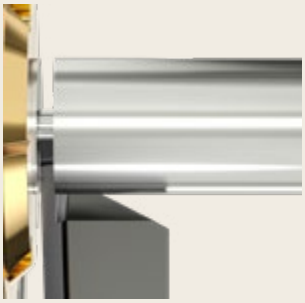
GROOVING P. 27



THREADING P. 29



PARTING OFF P. 30

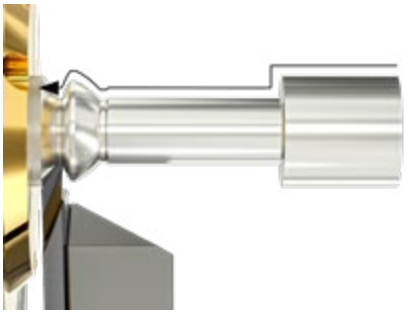


TECHNICAL

BACK TURNING

FLAWLESS FINISH AND EXCEPTIONAL CHIP CONTROL

By integrating advanced cutting geometries with dual cutting zones, WhizCut Original back turning tools enable a high depth of cut, deliver a flawless finish, maintain impressive feed rates and ensure impeccable chip control in your CNC process.







STYLE B

Dual cutting zones
Low radial pressure
Chip control
High feed rates

BENEFITS

- **100% PART ROUNDNESS WITH STYLE B**
  The inserts give minimum radial cutting pressure.
- **FLAWLESS FINISH**
  Exceptional chip control as chips curl along the groove, away from the part.
- **IMPROVED TOOL LIFE**
  The radius is only worn during the plunging process.
- **TIME SAVING**
  Style B keeps the size longer without adjustment.
- **FLEXIBLE**
  Unique geometries for every diameter.

COMPLEX BACK TURNING

TURN YOUR CHALLENGES INTO PRECISION SUCCESS WITH WHIZCUT.

Back turning is one of the most demanding operations in precision machining, and WhizCut has embraced that challenge from day one.

Today, we are proud to offer a complete range of WhizCut Original back turning inserts engineered for precision, reliability, and efficiency. Made from premium carbide with advanced coatings, our inserts deliver consistent part size, higher cutting data, and reduced cycle time and downtime. Classified as K-type for radial turning.

WHIZGUIDE

SELECT THE IDEAL INSERT

B

STYLE B

Style B is ideal for **back turning** in stainless steel, titanium, nimonic, hastaloy, high-temperature alloys, alloyed steel, and other hard, long-chipped materials requiring good chip control.



BP

STYLE BP

Style BP is for **sticky materials** prone to edge build-up, which can spoil the surface finish or reduce tool life.



BT

STYLE BT

Style BT inserts have a chamfer on the leading corner to improve tool life in **harder materials**. Use them when Style B inserts show early wear.



C

STYLE C

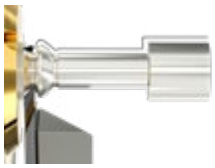
Use Style C flat top inserts for **undercuts.**



VLR

STYLE VLR

Style VLR is used for back turning when a **smooth surface** is needed when profiling. Such as going in behind the head of a bone screw.



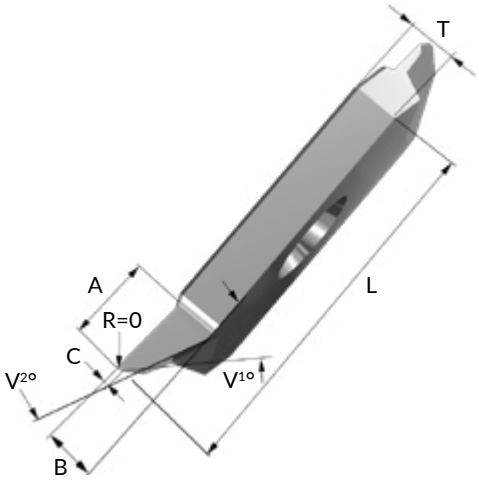
E

STYLE E

Style E is used for **finishing operations** with high cutting speed and high feed rates, for improved surface finish. The leading cutting edge and radius protects the rear radius, extending tool life.



TABLES INSERTS



BACK TURNING INSERTS FOR UNDERCUTS | C

Inserts	A*	B	C	V1	V2	Rake angle	8M	B8	C8	F8	ND8	NF8
K11ER C0-1-0	1,3	1	0,2	45°	30°	0°	●	●	○	●	-	-
K15ER C0-3-0	3	1,9	0,2	45°	20°	0°	●	●	○	●	●	●
K15ER C0-1,27-0	3	1,5	0,127	28°	-	0°	●	●	○	○	○	○
K15ER C0-2,5-0	3	1,5	0,25	28°	-	0°	●	●	○	○	○	○

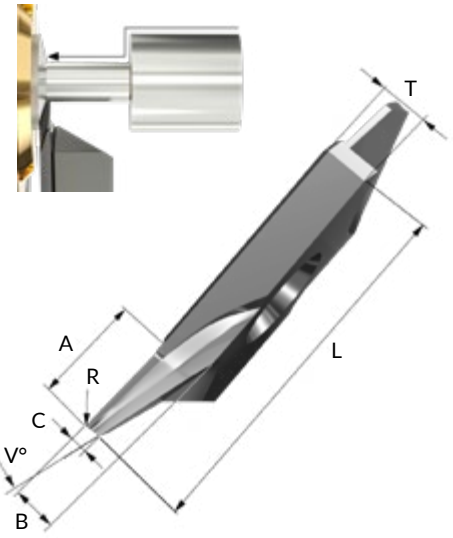
● Stock standard, ○ Delivery on request, - Not available.

* A = Depth of cut in one pass.

MORE TOOLS ONLINE

For left K-type back turning inserts style C visit: whizcut.com

TABLES INSERTS



Radial rake angle - BP



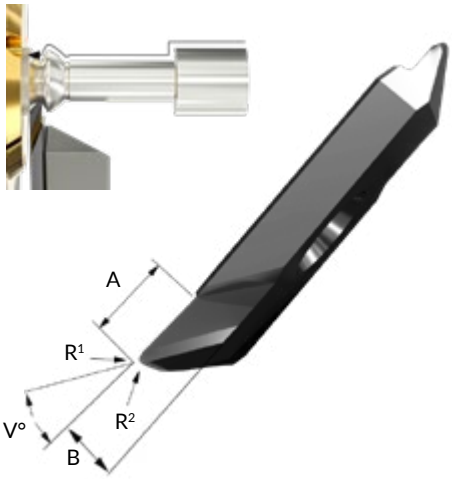
INSERTS FOR BACK TURNING | B

Inserts	L	A*	B	C	R	V	Axial rake angle	Radial rake angle	8M	B8	C8	F8	ND8	NF8
K11ER B12-2-0	11	2	1	0,4	0	15°	12°	2°	●	●	○	●	-	-
K11ER B12-2-05	11	2	1	0,4	0,05	15°	12°	2°	●	●	○	●	-	-
K11ER B12-3-0	11	3,5	1,5	0,6	0	15°	12°	2°	●	●	○	●	-	-
K15ER B12-2-0	15	2,5	1,3	0,5	0	15°	12°	2°	●	●	○	●	-	-
K15ER BP12-2-0	15	2,5	1,3	0,5	0	20°	12°	14°	●	●	-	●	-	-
K15ER BP12-2-03	15	2,5	1,3	0,5	0,03	20°	12°	14°	●	●	-	●	-	-
K15ER BP12-2-05	15	2,5	1,3	0,5	0,05	20°	12°	14°	●	●	-	●	-	-
K15ER B12-4-0	15	4	1,9	0,7	0	15°	12°	2°	●	●	○	●	●	●
K15ER BP12-4-0	15	4	1,9	0,7	0	20°	12°	14°	●	●	-	●	-	-
K15ER B12-4-05	15	4	1,9	0,7	0,05	15°	12°	2°	●	●	○	●	○	○
K15ER B12-4-1	15	4	1,9	0,7	0,1	15°	12°	2°	●	●	○	●	●	●
K15ER BP12-4-1	15	4	1,9	0,7	0,1	20°	12°	14°	●	●	-	●	●	●
K15ER B12-4-2	15	4	1,9	0,7	0,2	15°	12°	2°	●	●	○	●	●	●
K15ER BP12-4-2	15	4	1,9	0,7	0,2	20°	12°	14°	●	●	-	●	●	●
K15ER BT12-4-2	15	4	1,9	0,7	0,2	15°	12°	2°	●	●	○	●	●	●
K20ER B12-7-0	20	7	3,2	1,3	0	15°	12°	2°	●	●	○	●	-	-
K20ER B12-7-2	20	7	3,2	1,3	0,2	15°	12°	2°	●	●	○	●	●	●
K20ER B12-7-4	20	7	3,2	1,5	0,4	15°	12°	2°	○	○	○	○	○	○
K20ER BT12-7-2	20	7	3,2	1,3	0,2	15°	12°	2°	●	●	○	●	●	●

● Stock standard, ○ Delivery on request, - Not available.
* A = Depth of cut in one pass.

MORE INSERTS ONLINE

For left backturning inserts, style B visit: whizcut.com

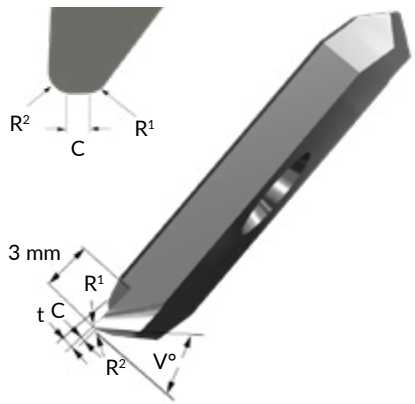


INSERTS FOR BACK TURNING PROFILES | VLR

Inserts	L	A*	B	R1	R2	V	Rake angle	8M	B8	C8	F8	ND8	NF8
K15ER VLR12-04	15	3/3	1	0,04	0,04	35°	20°	●	●	○	●	-	-
K15ER VLR12-05	15	3/3	1,9	0,05	0,05	35°	20°	●	●	○	●	-	-
K15ER VLR12-08	15	3/3	1,9	0,08	0,08	35°	20°	●	●	○	●	○	○
K15ER VLR12-12	15	3/3	1,9	0,1	0,2	35°	20°	●	●	○	●	○	○
K15ER VLR12-15	15	3/3	1,9	0,15	0,15	35°	20°	●	●	○	●	○	○
K15ER VLR12-2	15	3/3	1,9	0,2	0,2	35°	20°	●	●	○	●	●	●
K15ER VLR12-2-28	15	3/3	1,9	0,2	0,2	28°	20°	●	●	○	●	○	○
K15ER VLR12-4	15	3/2,5	2	0,4	0,4	42°	20°	○	●	-	●	●	●
K15ER VLR8-2	15	3/2,5	2	0,2	0,2	42°	8°	○	○	○	○	●	●
K15ER VLR8-2L	15	6/2,5	2	0,2	0,2	42°	8°	○	○	○	○	●	○
K15ER VLR8-4	15	3/2,5	2	0,4	0,4	42°	8°	●	○	-	○	●	●
K15ER VLR8-4L	15	6/2,5	2	0,4	0,4	42°	8°	○	○	-	○	●	●
K20ER VLR12-15-28	20	9/6	3,4	0,15	0,15	28°	20°	○	○	○	○	○	○
K20ER VLR12-2	20	9/4	3,4	0,2	0,2	37°	20°	○	●	○	●	●	●
K20ER VLR12-2-28	20	9/6	3,4	0,2	0,2	28°	20°	○	●	○	●	●	●
K20ER VLR12-4	20	9/4	3,4	0,4	0,4	37°	20°	●	●	○	●	●	●
K20ER VLR12-4-28	20	9/6	3,4	0,4	0,4	28°	20°	○	●	○	●	●	●
K20ER VLR8-2	20	9/4	3,4	0,2	0,2	40°	8°	●	○	○	○	●	●
K20ER VLR8-4	20	9/4	3,4	0,4	0,4	37°	8°	●	○	○	○	●	●
K20ER VLR8-6	20	9/4	3,4	0,6	0,6	33°	8°	○	○	○	○	○	○

NEWS

● Stock standard, ○ Delivery on request, - Not available.
* A =Clearance/Max ap in one pass



INSERTS FOR SUPER FINISH BACK TURNING | E

Inserts	Max ap	C	t	R1	R2	V	Rake angle	8M	B8	F8
K15ER ED16-05-15	0,8	0	0,6	0,05	0,15	30°	16°	●	●	●
K15ER ED16-1-2	0,8	0	0,5	0,1	0,2	30°	16°	●	●	●
K15ER ED16-18	0,8	0	0,6	0,18	0,18	30°	16°	●	●	●
K15ER EN16-01-0	1,3	0,12	0,6	0,01	0	45°	16°	●	●	●

● Stock standard, ○ Delivery on request, - Not available.
Max ap = Depth of cut in one pass.

TECHNICAL

GROOVING

GROOVES RIGHT NEXT TO THE SHOULDER

WhizCut Original grooving inserts come in sizes from 0,1 mm to 3,5 mm, making it easy to find the right fit. The cutting edge is positioned to the side, allowing work on very small diameters for precision grooving.

MORE GROOVING P. 38





GROOVING

Stable insert seat
Relief angles
Excellent clearance

SHARP CUTTING EDGES

GET LONGER TOOL LIFE

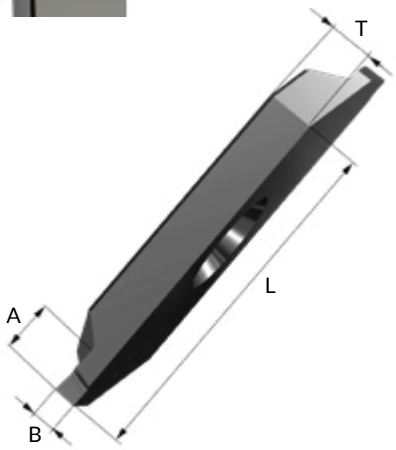
A sharp cutting edge and excellent chip control provides superior finish and longer tool life. WhizCut Original grooving inserts are especially effective when used with high-pressure coolant through the tool holder.

BENEFITS

- **PRECISION GROUND**
  All inserts have precision ground cutting edges.
- **MAXIMUM STABILITY**
  Achieved with WhizCut Original's angled insert pocket.
- **TOOL HOLDER EFFICIENCY**
  Use the same holder for grooving, threading, backturning, and parting off to reduce stock.
- **PRODUCTIVITY IMPROVEMENT**
  Upgraded chip control with WhizHip holders, which feed coolant through the holder.

TABLES INSERTS





INSERTS FOR GROOVING | G

	Inserts	L	B	Max A	Circlip/DIN 471	8M	B8	C8	F8
LEFT	K11EL G0,25	11	0,25	0,5	-	○	○	-	-
	K11EL G0,5	11	0,5	1	0,4	○	○	○	○
	K11EL G0,8	11	0,8	1,6	0,7	○	○	○	○
	K11EL G1,0	11	1	2	0,9	○	○	○	○
	K11EL G1,15	11	1,15	2,3	1	○	○	○	○
	K11EL G1,5	11	1,5	3	-	○	○	○	○
	K15EL G0,2	15	0,2	0,4	-	○	○	○	○
	K15EL G0,25	15	0,25	0,5	-	○	○	○	○
	K15EL G0,5	15	0,5	1	0,4	○	●	○	●
	K15EL G0,6	15	0,6	1,2	0,5	○	○	○	○
	K15EL G0,7	15	0,7	1,4	0,6	○	○	○	○
	K15EL G0,8	15	0,8	1,6	0,7	○	○	○	○
	K15EL G1,0	15	1	2	0,9	○	●	○	●
	K15EL G1,15	15	1,15	2,3	1,0	○	○	○	○
	K15EL G1,35	15	1,35	2,7	-	○	○	○	○
	K15EL G1,5	15	1,5	3	-	○	○	○	●
	K15EL G1,65	15	1,65	3,3	1,5	○	○	○	○
	K15EL G1,90	15	1,9	3,8	1,75	○	○	○	○
	K15EL G2,05	15	2,05	4,1	-	○	○	○	●
RIGHT	K11ER G0,1	11	0,1	0,2	-	○	○	○	○
	K11ER G0,3	11	0,3	0,6	-	○	○	○	○
	K11ER G0,5	11	0,5	1	0,4	●	●	○	●
	K11ER G0,8	11	0,8	1,6	0,7	●	●	○	●
	K11ER G0,9	11	0,9	1,8	-	●	●	○	○
	K11ER G1,0	11	1	2	0,9	●	●	○	●
	K11ER G1,5	11	1,5	3	-	●	●	○	●
	K15ER G0,1	15	0,1	0,2	-	●	●	○	●
	K15ER G0,2	15	0,2	0,4	-	●	●	○	●
	K15ER G0,25	15	0,25	0,5	-	●	●	○	●
	K15ER G0,3	15	0,3	0,6	-	●	●	○	●
	K15ER G0,4	15	0,4	0,8	-	●	●	○	●
	K15ER G0,5	15	0,5	1	0,4	●	●	○	●
	K15ER G0,6	15	0,6	1,2	0,5	●	●	○	●
	K15ER G0,65	15	0,65	1,3	-	○	○	○	○
	K15ER G0,7	15	0,7	1,4	0,6	●	●	○	●
	K15ER G0,75	15	0,75	1,5	0,6	●	●	○	●
	K15ER G0,8	15	0,8	1,6	0,7	●	●	○	●
	K15ER G0,9	15	0,9	1,8	0,8	●	●	○	●
	K15ER G0,95	15	0,95	1,9	0,8	●	●	○	●
	K15ER G1,0	15	1	2	0,9	●	●	○	●
	K15ER G1,15	15	1,15	2,3	1	●	●	○	●
	K15ER G1,2	15	1,2	2,4	1	●	●	○	●
	K15ER G1,35	15	1,35	2,7	1,2	●	●	○	●
	K15ER G1,5	15	1,5	3	-	●	●	○	●
	K15ER G1,65	15	1,65	3,3	1,5	●	●	○	●
	K15ER G1,90	15	1,9	3,8	1,75	●	●	○	●
	K15ER G2,05	15	2,05	4,1	-	●	●	○	●
	K20ER G2,0	20	2	4	-	●	●	○	●
	K20ER G2,5	20	2,5	5	-	●	●	○	●
	K20ER G3,0	20	3	6	-	●	●	○	●

● Stock standard, ○ Delivery on request, - Not available.



INSERTS FOR GROOVING | GR

Inserts	L	R	A	T	8M	B8	C8	F8
K15ER GR0,25	15	0,25	1	2,1	●	●	○	●
K15ER GR0,5	15	0,5	2	2,1	●	●	○	●
K15ER GR0,75	15	0,75	3	2,1	●	●	○	●
K15ER GR1,0	15	1	4	2,1	●	●	○	●
K20ER GR1,25	20	1,25	5	3,5	●	●	○	●
K20ER GR1,5	20	1,5	6	3,5	●	●	○	●
K20ER GR1,75	20	1,75	7	3,5	●	●	○	●

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

THREADING

ENJOY RELIABLE PERFORMANCE AND ADAPTABILITY

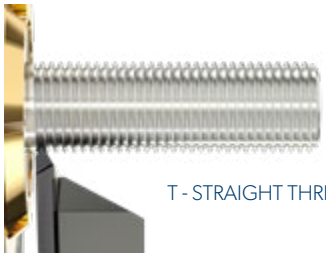
WhizCut Original threading inserts offer precision and versatility for partial profile threading. The extensive selection of profiles is tailored to suit a wide range of applications, delivering the ideal threading tool and solution for every task.

The WhizCut Original K-type system's insert pocket seat automatically provides the threading inserts with optimal relief angles. The additional clearance makes these threading inserts highly versatile, allowing them to produce threads that regular inserts cannot reach.

The TS-type threading inserts enable threading behind a shoulder with up to a 20 mm difference between the screw head diameter and the minor diameter, while maintaining a minimal distance from the shoulder to the first thread.

WhizCut Original threading inserts come in various radii. Maximize the radius for better performance and longer tool life in partial profile threading.

MORE THREADING P. 44



T - STRAIGHT THREADING



TS - THREADING FROM SHOULDER

THREADING

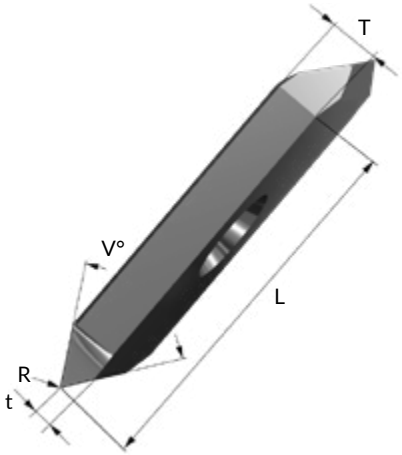
Stability
Slight-tilt clearance
Premium carbide
Advanced coatings

BENEFITS

- **OPTIMAL RELIEF ANGLES**
  This makes the WhizCut Original threading inserts adaptable.
- **WIDE SELECTION**
  Many options with diverse profiles for different applications.
- **THREAD BEHIND A SHOULDER**
  Use the TS-type inserts.

PRODUCT TABLES

FOR PARTIAL PROFILE THREADING | T



	Inserts	L	Pitch metric	Pitch TPI	V	t	T	R	8M	B8	C8	F8
LEFT	K11EL T55-5	11	0,25-1	100-24	55°	0,5	2,5	0,03	○	○	○	○
	K11EL T60-5	11	0,25-1	100-24	60°	0,5	2,5	0,03	●	●	○	○
	K15EL T55-5	15	0,25-1	100-24	55°	0,5	2,1	0,03	○	○	○	○
	K15EL T60-5	15	0,25-1	100-24	60°	0,5	2,1	0,03	●	●	○	○
	K15EL T60-8	15	0,4-1,75	64-14	60°	0,8	2,1	0,05	●	●	○	○
	K15EL TS60-16	15	0,25-1	100-24	60°	1,6	2,1	0,03	○	○	○	○
RIGHT	K11ER T55-5	11	0,25-1	100-24	55°	0,5	2,5	0,03	●	○	●	○
	K11ER T60-5	11	0,25-1	100-24	60°	0,5	2,5	0,03	●	●	○	●
	K15ER T55-5	15	0,25-1	100-24	55°	0,5	2,1	0,03	●	●	○	●
	K15ER T60-5	15	0,25-1	100-24	60°	0,5	2,1	0,03	●	●	○	●
	K15ER T60-8	15	0,4-1,75	64-14	60°	0,8	2,1	0,05	●	●	○	●
	K15ER TS60-16	15	0,25-1	100-24	60°	1,6	2,1	0,03	●	●	○	●
	K20ER T60-10	20	0,7-2	36-12	60°	1	3,5	0,1	●	●	○	●
	K20ER T60-15	20	1,5-3	18-10	60°	1,5	3,5	0,2	●	●	○	●
	K20ER TS60-25	20	0,7-2	36-12	60°	2,5	3,5	0,1	●	●	○	●

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

PARTING OFF

RIGHT BY THE GUIDE BUSH OR SUB SPINDLE

WhizCut Original inserts deliver precise parting off near the guide bush or sub spindle: perfect for small parts. With front angles up to 30° and 20° positive rake, they handle most machining operations with ease. Experience sharp edges and superior chip control with WhizCut Original tools.

MORE PARTING OFF P. 54

PARTING OFF

Positive rake
Precision ground
Close to guide bush



BENEFITS

- **PARTING OFF THE SMALLEST DIAMETERS**
  Parting off the smallest diameters.
- **PRECISION GROUND**
  All inserts have precision-ground cutting edges.
- **CUTTING EDGE STABILITY**
  Angled pocket directs cutting forces through the insert, not the holder.
- **TOOL HOLDER EFFICIENCY**
  One holder for grooving, threading, backturning, and parting to reduce stock.
- **VERSATILE TOOL HOLDERS**
  A wide range of tool holders is available for all applications.

WHIZGUIDE

SELECT THE IDEAL INSERT

1 AXIAL RELIEF VS. COMPONENT OPTIONS

- **Style P**: 0° provides the strongest tool, ideal for sub spindle use. Style PS offers extra stability.
- **Style Y: 6°** gives a strong tool but may leave a small nib without a sub spindle.
- **Style Z: 15°** is a versatile parting-off insert, recommended for parting-off without a sub spindle or when parting-off parts with a hole.
- **Style S & U: 20-30°** is a less strong tool ideal for small parts needing a fine surface finish.

2 RAKE ANGLE VS. MATERIAL

- **0°** for short-chipping materials
- **12°** for long-chipping materials
- **20°** for sticky and long-chipping materials

3 MACHINING AGAINST THE SUB SPINDLE

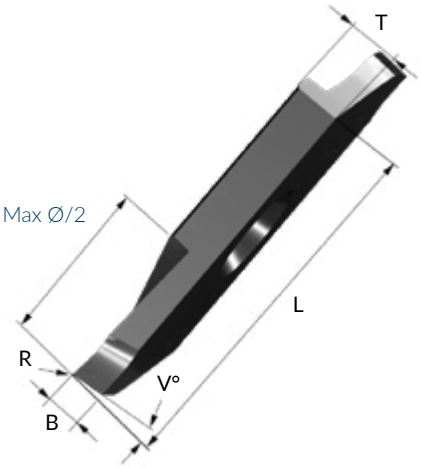
Recommended inserts when parting off against the sub spindle are P, YR, ZR and SR. For maximum stability of the part use the special tool holder WSK15EL 12Q6-2P.

4 CUSTOM CORNER OPTIONS

For parting off/cut-off applications needing different corner executions, WhizCut can provide any type. Contact your local distributor for assistance in finding the best option for your needs.

TABLES INSERTS





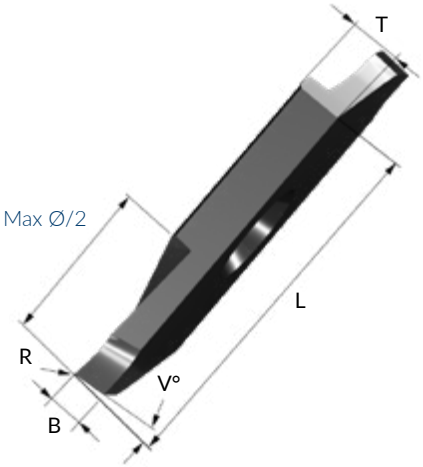
INSERTS FOR PARTING OFF | P, PS, Y, Z, S, U

	Insert	L	B	V	Max Ø	R	Rake angle	8M	B8	C8	F8	ND8	NF8
LEFT	K11EL P0,5-12	11	0,5	0°	4	0	12°	○	○	○	○	-	-
	K11EL P0,8-12	11	0,8	0°	7	0	12°	○	○	○	○	-	-
	K11EL P1,0-12	11	1	0°	9	0	12°	○	○	○	○	-	-
	K11EL P1,5-12	11	1,5	0°	11	0	12°	○	○	○	○	-	-
	K11EL P2,0-12	11	2	0°	11	0	12°	○	-	○	-	-	-
	K15EL PS0,5-12	15	0,5	0°	3	0	12°	○	○	○	○	-	-
	K15EL P0,7-12	15	0,7	0°	5	0	12°	○	○	○	○	-	-
	K15EL P1,0-12	15	1	0°	10	0	12°	●	○	○	○	-	-
	K15EL P1,0-12-R05	15	1	0°	10	0,05	12°	●	●	○	●	●	●
	K15EL P1,2-12	15	1,2	0°	12	0	12°	●	○	○	○	-	-
	K15EL P1,5-12	15	1,5	0°	12,7	0	12°	●	○	○	○	-	-
	K15EL P1,5-12-R05	15	1,5	0°	12,7	0,05	12°	●	●	○	●	●	●
	K15EL P1,5-20	15	1,5	0°	12	0	20°	○	○	○	○	-	-
	K15EL P2,0-12	15	2	0°	12,7	0	12°	●	○	○	○	-	-
RIGHT	K11ER P0,5-12	11	0,5	0°	4	0	12°	●	●	○	●	-	-
	K11ER P0,8-12	11	0,8	0°	7	0	12°	●	●	○	●	-	-
	K11ER P1,0-12	11	1	0°	9	0	12°	●	●	○	●	-	-
	K11ER P1,5-12	11	1,5	0°	11	0	12°	●	●	○	●	-	-
	K11ER P2,0-12	11	2	0°	11	0	12°	●	-	●	-	-	-
	K15ER PS0,5-12	15	0,5	0°	3	0	12°	●	●	○	●	-	-
	K15ER P0,7-12	15	0,7	0°	5	0	12°	●	●	○	●	-	-
	K15ER P1,0-12	15	1	0°	10	0	12°	●	●	○	●	●	●
	K15ER P1,0-12-R05	15	1	0°	10	0,05	12°	●	●	○	●	●	●
	K15ER PS1,0-12	15	1	0°	6	0	12°	●	●	○	●	-	-
	K15ER P1,0-20	15	1	0°	10	0	20°	●	●	○	●	●	●
	K15ER P1,2-12	15	1,2	0°	12	0	12°	●	●	○	●	-	-
	K15ER P1,5-12	15	1,5	0°	12,7	0	12°	●	●	○	●	●	●
	K15ER P1,5-12-R05	15	1,5	0°	12,7	0,05	12°	●	●	○	●	●	●
	K15ER PS1,5-12	15	1,5	0°	9	0	12°	●	●	○	●	-	-
	K15ER P1,5-20	15	1,5	0°	12	0	20°	●	●	○	●	●	●
	K15ER P2,0-12	15	2	0°	12,7	0	12°	●	●	○	●	-	-
	K15ER P2,0-12-R1	15	2	0°	12,7	0,1	12°	●	○	●	○	-	-
	K20ER P1,5-12	20	1,5	0°	16	0	12°	●	●	○	●	●	●
	K20ER P2,0-12	20	2	0°	20	0	12°	●	●	○	●	●	●
	K20ER P2,5-12	20	2,5	0°	20	0	12°	●	●	○	●	●	●
	K20ER P3,0-12	20	3	0°	20	0	12°	●	●	○	●	●	●
LEFT	K11EL Y1,0-12	11	1	6°	9	0	12°	○	○	○	○	-	-
	K11EL Y1,5-12	11	1,5	6°	11	0	12°	○	○	○	○	-	-
	K15EL Y1,0-12	15	1	6°	10	0	12°	○	○	○	○	-	-
	K15EL Y1,2-12	15	1,2	6°	12	0	12°	○	○	○	○	-	-
	K15EL Y1,5-12	15	1,5	6°	12,7	0	12°	○	○	○	○	-	-
	K15EL Y2,0-12	15	2	6°	12,7	0	12°	○	○	○	○	-	-
RIGHT	K11ER Y1,0-12	11	1	6°	9	0	12°	●	●	○	●	-	-
	K11ER Y1,5-12	11	1,5	6°	11	0	12°	●	●	○	●	-	-
	K15ER Y1,0-12	15	1	6°	10	0	12°	●	●	○	●	●	●
	K15ER Y1,0-12-R05	15	1	6°	10	0,05	12°	○	○	○	○	●	●
	K15ER Y1,2-12	15	1,2	6°	12	0	12°	●	●	○	●	-	-
	K15ER Y1,5-12	15	1,5	6°	12,7	0	12°	●	●	○	●	-	-
	K15ER Y1,5-12-R05	15	1,5	6°	12,7	0,05	12°	○	○	○	○	●	●
	K15ER Y2,0-12	15	2	6°	12,7	0	12°	●	●	○	●	-	-
	K20ER Y2,0-12	20	2	6°	20	0	12°	●	●	○	●	○	○
	K20ER Y2,5-12	20	2,5	6°	20	0	12°	●	●	○	●	○	○
LEFT	K11EL Z0,5-12	11	0,5	15°	4	0	12°	○	○	○	○	-	-
	K11EL Z1,0-0	11	1	15°	9	0	0°	○	○	○	○	-	-
	K11EL Z1,0-12	11	1	15°	9	0	12°	○	○	○	○	-	-
	K11EL Z1,5-0	11	1,5	15°	11	0	0°	○	○	○	○	-	-
	K11EL Z1,5-12	11	1,5	15°	11	0	12°	○	○	○	○	-	-
	K15EL Z0,7-12	15	0,7	15°	5	0	12°	○	○	○	○	-	-
	K15EL Z1,0-0	15	1	15°	10	0	0°	○	○	○	○	-	-
	K15EL Z1,0-12	15	1	15°	10	0	12°	○	●	○	○	-	-
	K15EL Z1,5-0	15	1,5	15°	12,7	0	0°	○	○	○	○	-	-
	K15EL Z1,5-12	15	1,5	15°	12,7	0	12°	○	○	○	○	-	-
	K15EL Z2,0-0	15	2	15°	12,7	0	0°	○	○	○	○	-	-
	K15EL Z2,0-12	15	2	15°	12,7	0	12°	○	●	○	○	-	-

● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES INSERTS



INSERTS FOR PARTING OFF | P, PS, Y, Z, S, U

CONTINUED

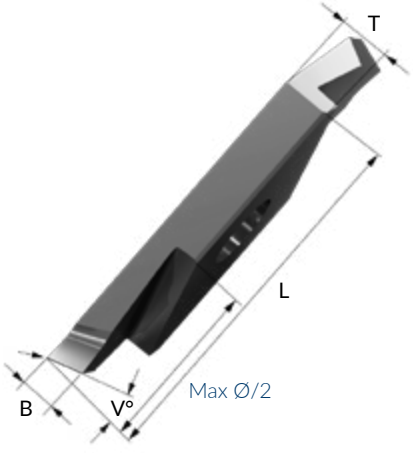
	Insert	L	B	V	Max Ø	R	Rake angle	8M	B8	C8	F8	ND8	NF8
RIGHT	K11ER Z0,5-12	11	0,5	15°	4	0	12°	●	●	○	●	-	-
	K11ER Z1,0-0	11	1	15°	9	0	0°	●	●	○	●	○	○
	K11ER Z1,0-12	11	1	15°	9	0	12°	●	●	○	●	-	-
	K11ER Z1,5-0	11	1,5	15°	11	0	0°	●	●	○	●	-	-
	K11ER Z1,5-12	11	1,5	15°	11	0	12°	●	●	○	●	○	○
	K15ER Z0,5-12	15	0,5	15°	5	0	12°	●	●	○	●	-	-
	K15ER Z0,7-0	15	0,7	15°	5	0	0°	●	●	○	●	○	○
	K15ER Z0,7-12	15	0,7	15°	5	0	12°	●	●	○	●	-	-
	K15ER Z1,0-0	15	1	15°	10	0	0°	●	●	○	●	○	○
	K15ER Z1,0-0-T10	15	1	15°	10	C=0,1	0°	●	○	○	○	-	-
	K15ER Z1,0-0-R05	15	1	15°	10	0,05	0°	●	●	○	●	○	○
	K15ER Z1,0-12	15	1	15°	10	0	12°	●	●	○	●	-	-
	K15ER Z1,5-0	15	1,5	15°	12,7	0	0°	●	●	○	●	-	-
	K15ER Z1,5-12	15	1,5	15°	12,7	0	12°	●	●	○	●	○	○
	K15ER Z1,5-12-R1	15	1,5	15°	12,7	0,1	12°	●	●	○	●	●	●
	K15ER Z2,0-0	15	2	15°	12,7	0	0°	●	●	○	●	-	-
	K15ER Z2,0-12	15	2	15°	12,7	0	12°	●	●	○	●	-	-
	K20ER Z2,0-0	20	2	15°	20	0	0°	●	●	○	●	●	●
	K20ER Z2,0-12	20	2	15°	20	0	12°	●	●	○	●	-	-
	K20ER Z2,5-0	20	2,5	15°	20	0	0°	○	○	○	○	○	○
	K20ER Z2,5-12	20	2,5	15°	20	0	12°	○	○	○	○	○	○
	K15ER S1,0-0	15	1	20°	6	0	0°	●	●	○	●	-	-
	K15ER S1,0-12	15	1	20°	6	0	12°	●	●	○	●	-	-
	K15ER S1,5-0	15	1,5	20°	9	0	0°	●	●	○	●	-	-
	K15ER S1,5-12	15	1,5	20°	9	0	12°	●	●	○	●	-	-
LEFT	K11EL U1,0-0	11	1	30°	8	0	0°	●	●	○	●	-	-
	K15EL U1,0-0	15	1	30°	8	0	0°	○	○	○	○	-	-
	K15EL U1,0-0-R05	15	1	30°	8	0,05	0°	○	○	○	○	-	-
	K15EL U1,5-0	15	1,5	30°	12	0	0°	○	○	○	○	-	-
RIGHT	K11ER U1,0-0	11	1	30°	8	0	0°	●	●	○	●	-	-
	K15ER U0,5-0	15	0,5	30°	5	0	0°	○	○	○	○	-	-
	K15ER U1,0-0	15	1	30°	8	0	0°	●	●	○	●	-	-
	K15ER U1,0-0-R05	15	1	30°	8	0,05	0°	●	●	○	●	-	-
	K15ER U1,5-0	15	1,5	30°	12	0	0°	●	●	○	●	-	-
	K20ER U2,0-0	20	2	30°	16	0	0°	○	○	○	○	-	-
	K20ER U2,5-0	20	2,5	30°	20	0	0°	○	○	○	○	-	-

● Stock standard, ○ Delivery on request, - Not available.



INSERTS FOR PARTING OFF AGAINST SUB SPINDLE | P,YR, ZR, SR

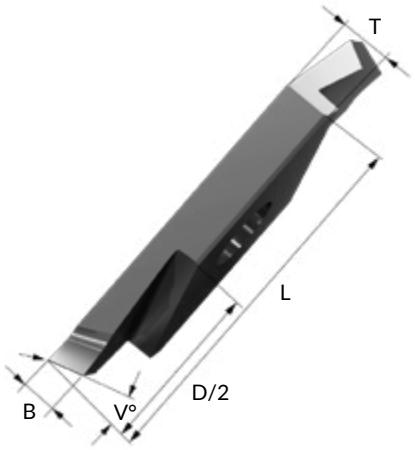
Insert	L	B	V	Max Ø	R	Rake angle	8M	B8	C8	F8	ND8	NF8
K11EL P0,5-12	11	0,5	0°	4	0	12°	○	○	○	○	-	-
K11EL P0,8-12	11	0,8	0°	7	0	12°	○	○	○	○	-	-
K11EL P1,0-12	11	1	0°	9	0	12°	○	○	○	○	-	-
K11EL P1,5-12	11	1,5	0°	11	0	12°	○	○	○	○	-	-
K15EL PS0,5-12	15	0,5	0°	3	0	12°	○	○	○	○	-	-
K15EL P0,7-12	15	0,7	0°	5	0	12°	○	○	○	○	-	-
K15EL P1,0-12	15	1	0°	10	0	12°	●	○	○	○	-	-
K15EL P1,0-12-R05	15	1	0°	10	0,05	12°	●	●	○	●	●	●
K15EL P1,2-12	15	1,2	0°	12	0	12°	●	○	○	○	-	-
K15EL P1,5-12	15	1,5	0°	12,7	0	12°	●	○	○	○	-	-
K15EL P1,5-12-R05	15	1,5	0°	12,7	0,05	12°	●	●	○	●	●	●
K15EL P1,5-20	15	1,5	0°	12	0	20°	○	○	○	○	-	-
K15EL P2,0-12	15	2	0°	12,7	0	12°	●	○	○	○	-	-
K15EL YR1,5-12	15	1,5	6°	12	0	12°	●	●	○	●	-	-
K15EL YR2,0-12	15	2	6°	12	0	12°	●	●	○	●	-	-
K11EL ZR0,5-12	11	0,5	15°	4	0	12°	●	●	○	●	-	-
K11EL ZR1,0-0	11	1	15°	9	0	0°	●	●	○	●	-	-
K11EL ZR1,0-12	11	1	15°	9	0	12°	●	●	○	●	-	-
K11EL ZR1,0-12-R05	11	1	15°	9	0,05	12°	○	○	○	●	-	-



● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES INSERTS



INSERTS FOR PARTING OFF AGAINST SUB SPINDLE | YR, ZR, SR

CONTINUED

Insert	L	B	V	D	R	Rake angle	8M	B8	C8	F8	ND8	NF8
K11EL ZR1,5-0	11	1,5	15°	11	0	0°	●	●	○	●	-	-
K11EL ZR1,5-12	11	1,5	15°	11	0	12°	●	●	○	●	-	-
K15EL ZR1,0-0	15	1	15°	10	0	0°	●	●	○	●	-	-
K15EL ZR1,0-12	15	1	15°	10	0	12°	●	●	○	●	-	-
K15EL ZR1,0-12-R05	15	1	15°	10	0,05	12°	●	●	○	●	-	-
K15EL ZR1,5-0	15	1,5	15°	12	0	0°	●	●	○	●	-	-
K15EL ZR1,5-12	15	1,5	15°	12	0	12°	●	●	○	●	-	-
K15EL ZR1,5-12-R05	15	1,5	15°	12	0,05	12°	●	●	○	●	-	-
K15EL ZR2,0-0	15	2	15°	12	0	0°	●	●	○	●	-	-
K15EL ZR2,0-12	15	2	15°	12	0	12°	●	●	○	●	-	-
K15EL SR1,0-0	15	1	20°	5,5	0	0°	●	●	○	●	-	-
K15EL SR1,0-12	15	1	20°	5,5	0	12°	●	●	○	●	-	-
K15EL SR1,5-0	15	1,5	20°	8	0	0°	●	●	○	●	-	-
K15EL SR1,5-12	15	1,5	20°	8	0	12°	●	●	○	●	-	-

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

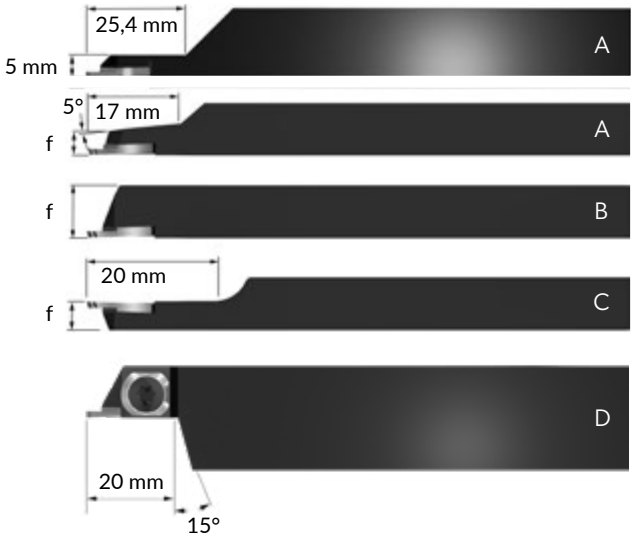
K-TYPE TOOL HOLDERS

WHIZCUT ORIGINAL HOLDERS FOR RADIAL TURNING

Pair your WhizCut Original K-type inserts with matching K-type holders for optimal radial turning. The holders are engineered for back turning, threading, grooving, and parting off. They fit all K-type inserts for consistent precision and performance.

CHOOSE THE RIGHT K-TYPE HOLDER

- **A: NARROW HOLDERS**
  Perfect for short parts and small diameter bars.
- **B: REGULAR HOLDERS**
  Versatile options for general use.
- **C: LEFT-HAND CENTRED HOLDERS**
  Centred insert, for parting off against the sub spindle.
- **D: SHIFTED EDGE HOLDERS**
  Designed with a centred insert for parting off against the sub spindle.



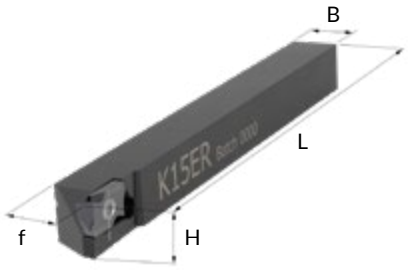
WhizCut Y-axis holders guide chips to the conveyor and transfer forces into the tool plate for smoother turning and longer tool life.

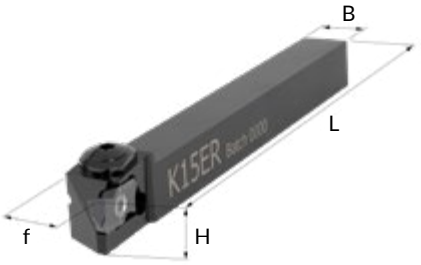


PARTING OFF SMALLER PARTS

For small or short parts, use narrow or left-hand centred WhizCut K-type holders for better access and solid stability.

TABLES TOOL HOLDERS

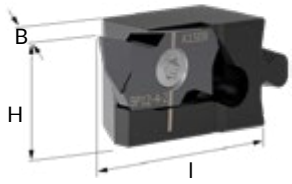


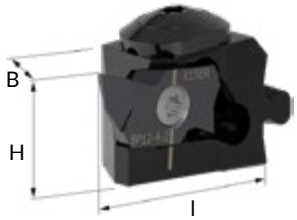


SCREW TYPE TOOL HOLDERS | WSK

	Tool holder	H	B	L	f	Insert	Coolant	Plug	Screw	Key	Stock
LEFT	WSK11EL 88K-2P	8	8	125	8	K11EL	-	-	M2,5X6	T7IP	●
	WSK15EL 1010K-2P	10	10	125	10	K15EL	-	-	M3X7	T9IP	●
	WSK15EL 1212K-2C	12	12	125	12	K15EL	●	1/8" NPT	M3X7	T9IP	●
	WSK15EL 1212K-2P	12	12	125	12	K15EL	-	-	M3X7	T9IP	●
	WSK15EL 0500K-2C	1/2"	1/2"	125	1/2"	K15EL	●	1/8" NPT	M3X7	T9IP	●
	WSK15EL 0500K-2P	1/2"	1/2"	125	1/2"	K15EL	-	-	M3X7	T9IP	●
	WSK15EL 1616K-2C	16	16	125	16	K15EL	●	1/8" NPT	M3X7	T9IP	●
	WSK15EL 1616K-2P	16	16	125	16	K15EL	-	-	M3X7	T9IP	●
RIGHT	WSK11ER 88H-2C	8	8	100	10	K11ER	●	M5X0,8	M2,5X6	T7IP	●
	WSK11ER 88K-2C	8	8	125	10	K11ER	●	M5X0,8	M2,5X6	T7IP	○
	WSK11ER 88K-2P	8	8	125	8	K11ER	-	-	M2,5X6	T7IP	●
	WSK15ER 0810H-2P	8	10	100	10	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 1010H-2C	10	10	100	10	K15ER	●	M8X1	M3X7	T9IP	●
	WSK15ER 1010K-2C	10	10	125	10	K15ER	●	M8X1	M3X7	T9IP	○
	WSK15ER 1010K-2P	10	10	125	10	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 1212H-2C	12	12	100	12	K15ER	●	1/8" NPT	M3X7	T9IP	●
	WSK15ER 1212K-2C	12	12	125	12	K15ER	●	1/8" NPT	M3X7	T9IP	○
	WSK15ER 1212K-2P	12	12	125	12	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 0500H-2C	1/2"	1/2"	100	1/2"	K15ER	●	1/8" NPT	M3X7	T9IP	●
	WSK15ER 0500K-2C	1/2"	1/2"	125	1/2"	K15ER	●	1/8" NPT	M3X7	T9IP	○
	WSK15ER 0500K-2P	1/2"	1/2"	125	1/2"	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 1616F-2C	16	16	85	16	K15ER	●	1/8" NPT	M3X7	T9IP	●
	WSK15ER 1616K-2C	16	16	125	16	K15ER	●	1/8" NPT	M3X7	T9IP	●
	WSK15ER 1616K-2P	16	16	125	16	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 0750K-2C	3/4"	3/4"	125	3/4"	K15ER	●	1/8" NPT	M3X7	T9IP	●
	WSK15ER 2020K-2P	20	20	125	20	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 2525M-2P	25	25	150	25	K15ER	-	-	M3X7	T9IP	●
	WSK15ER 1000M-2P	1"	1"	150	1"	K15ER	-	-	M3X7	T9IP	●
	WSK20ER 1212K-2P	12	12	125	12	K20ER	-	-	M4X10	T15	●
	WSK20ER 1216K-2C	12	16	125	16	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 0500K-2P	1/2"	1/2"	125	1/2"	K20ER	-	-	M4X10	T15	●
	WSK20ER 0516K-2C	1/2"	16	125	16	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 1616K-2C	16	16	125	16	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 1616K-2P	16	16	125	16	K20ER	-	-	M4X10	T15	●
	WSK20ER 2020K-2C	20	20	125	20	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 2020K-2P	20	20	125	20	K20ER	-	-	M4X10	T15	●
	WSK20ER 2525M-2C	25	25	150	25	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 2525K-2P	25	25	125	25	K20ER	-	-	M4X10	T15	●
	WSK20ER 2525M-2P	25	25	150	25	K20ER	-	-	M4X10	T15	●
	WSK20ER 1000M-2C	1"	1"	150	1"	K20ER	●	1/8" NPT	M4X10	T15	●
	WSK20ER 1000M-2P	1"	1"	150	1"	K20ER	-	-	M4X10	T15	●

● Stock standard, ○ Delivery on request, - Not available.





QUICK CHANGE HEADS - WHIZFIX 2.0 | WBK

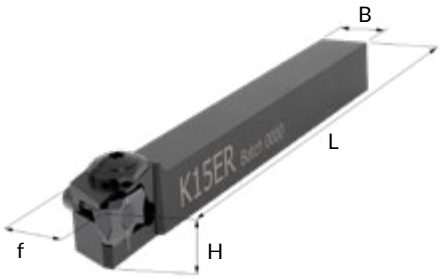
WhizFix 2.0 head	Interface	H	B	I	Coolant	Insert	Screw	Key	Stock
WB3 K15ER-22-2	WB3	10	10	22	-	K15ER	M3X7	T9IP	●
WB3 K15ER-22-2C	WB3	10	10**	22	●	K15ER	M3X7	T9IP	●
WB4 K15ER-22-2	WB4	12*	12	22	-	K15ER	M3X7	T9IP	●
WB4 K15ER-22-2C	WB4	12*	12	22	●	K15ER	M3X7	T9IP	●
WB5 K15ER-22-2	WB5	16	16	22	-	K15ER	M3X7	T9IP	●
WB5 K15ER-22-2C	WB5	16	16	22	●	K15ER	M3X7	T9IP	●
WB5 K20ER-32-2	WB5	16	16	32	-	K20ER	M4X10	T9IP	●
WB5 K20ER-32-2C	WB5	16	16	32	●	K20ER	M4X10	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.
* 1/2" with 1/2" shank
** 12 mm wide at nozzle

MORE WHIZFIX 2.0 P. 64

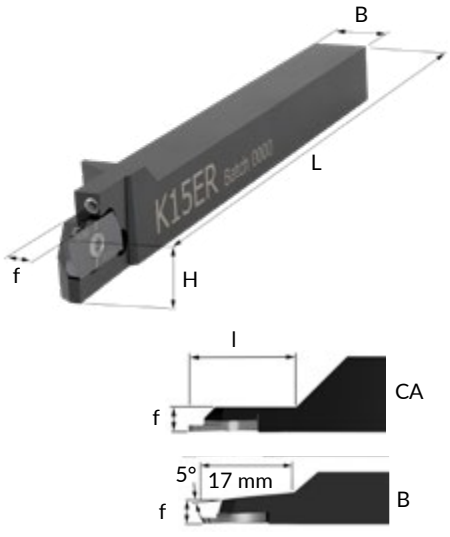
TABLES TOOL HOLDERS

QUICK CHANGE PIN TYPE TOOL HOLDERS - WHIZFIX | WPK



	Tool holder	H	B	L	f	Insert	Coolant	Plug	Pin	Bit	Stock
LEFT	WPK11EL 88K-2P	8	8	125	8	K11EL	-	-	PIN 8	T15	○
	WPK11EL 1010K-2P	10	10	125	10	K11EL	-	-	PIN 8	T15	○
	WPK15EL 1010K-2P	10	10	125	12	K15EL	-	-	PIN 12	T20	○
	WPK15EL 1212K-2P	12	12	125	12	K15EL	-	-	PIN 12	T20	○
	WPK15EL 1616K-2P	16	16	125	16	K15EL	-	-	PIN 12	T20	○
RIGHT	WPK11ER 88K-2P	8	8	125	8	K11ER	-	-	PIN 8	T15	●
	WPK11ER 1010K-2P	10	10	125	10	K11ER	-	-	PIN 8	T15	●
	WPK15ER 1010H-2C	10	10	100	10	K15ER	●	M8X1	PIN 12	T20	●
	WPK15ER 1010K-2C	10	10	125	10	K15ER	●	M8X1	PIN 12	T20	●
	WPK15ER 1010K-2P	10	10	125	10	K15ER	-	-	PIN 12	T20	●
	WPK15ER 1212F-2P	12	12	85	12	K15ER	-	-	PIN 12	T20	●
	WPK15ER 1212K-2C	12	12	125	12	K15ER	●	1/8" NPT	PIN 12	T20	●
	WPK15ER 1212K-2P	12	12	125	12	K15ER	-	-	PIN 12	T20	●
	WPK15ER 0500K-2C	1/2"	1/2"	125	1/2"	K15ER	●	1/8" NPT	PIN 12	T20	●
	WPK15ER 0500K-2P	1/2"	1/2"	125	1/2"	K15ER	-	-	PIN 12	T20	●
	WPK15ER 1616K-2C	16	16	125	16	K15ER	●	1/8" NPT	PIN 12	T20	●
	WPK15ER 1616K-2P	16	16	125	16	K15ER	-	-	PIN 12	T20	●
	WPK20ER 1212K-2P	12	12	125	12	K20ER	-	-	PIN 16	T25	●
	WPK20ER 0500K-2P	1/2"	1/2"	125	1/2"	K20ER	-	-	PIN 16	T25	●
	WPK20ER 1616K-2P	16	16	125	16	K20ER	-	-	PIN 16	T25	●
	WPK20ER 2020K-2P	20	20	125	20	K20ER	-	-	PIN 16	T25	●

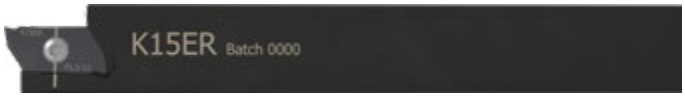
● Stock standard, ○ Delivery on request, - Not available.



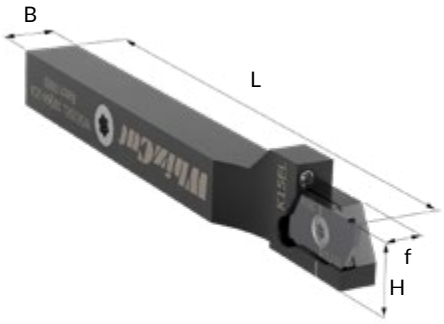
SCREW TYPE TOOL HOLDERS FOR SMALL PARTS | WSK

Tool holder	H	B	L	l	f	Insert	Coolant	Plug	Screw	Key	Stock
WSK11ER 88K-2CA	8	8	125	20,5	5	K11ER	●	M5X0,8	M2,5X6	T7IP	●
WSK15ER 1010K-2B	10	10	125	17	5	K15ER	-	-	M3X5	T9IP	●
WSK15ER 1010H-2CA	10	10	100	18	5	K15ER	●	M8X1	M3X5	T9IP	●
WSK15ER 1010K-2CA	10	10	125	18	5	K15ER	●	M8X1	M3X5	T9IP	○
WSK15ER 1212K-2B	12	12	125	17	6	K15ER	-	-	M3X5	T9IP	●
WSK15ER 1212K-2CA	12	12	125	23	5	K15ER	●	1/8" NPT	M3X5	T9IP	●
WSK15ER 0500K-2CA	1/2"	1/2"	125	23	5	K15ER	●	1/8" NPT	M3X5	T9IP	●
WSK15ER 1616K-2CA	16(12)*	16	125	25,4	5	K15ER	●	1/8" NPT	M3X5	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.



* Shank 16x16 mm. Cutting edge lowered to 12 mm for optimal coolant.



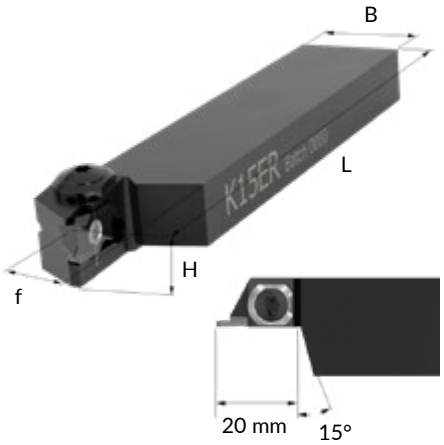
LEFT HAND TOOL HOLDERS WITH INSERT IN CENTRE | WSK

Tool holder	H	B	L	l	f	Insert	Coolant	Plug	Screw	Key	Stock
WSK11EL 8Q6H-2CA	8	8	100	23	6	K11EL	●	M5	M2.5X6	T7IP	●
WSK15EL 10Q6H-2CA	10	10	100	20,5	6	K15EL	●	M8X1	M3X5	T9IP	●
WSK15EL 12Q6K-2P	12	12	125	25,4	6	K15EL	-	-	M3X5	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.



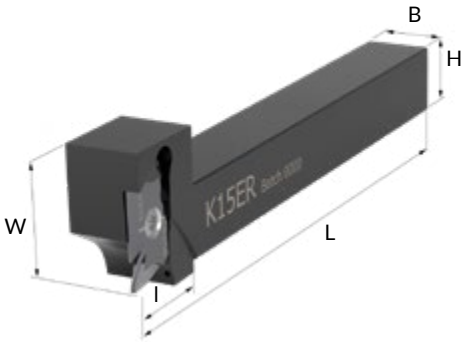
TABLES TOOL HOLDERS



SHIFTED EDGE TOOL HOLDERS | WSK-C

Tool holder	H	B	L	f	Insert	Coolant	Plug	Screw	Key	Stock
WSK15ER 1020H-2C	10	20	100	10	K15ER	●	M8X1	M3X7	T9IP	●
WSK15ER 1224K-2C	12	24	125	12	K15ER	●	1/8" NPT	M3X7	T9IP	●
WSK15ER 0510K-2C	1/2"	1"	125	1/2"	K15ER	●	1/8" NPT	M3X7	T9IP	●
WSK15ER 1632K-2C	16	32	125	16	K15ER	●	1/8" NPT	M3X7	T9IP	●

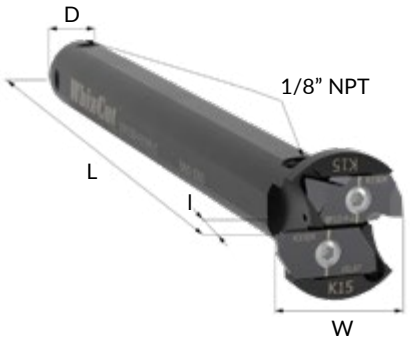
● Stock standard, ○ Delivery on request, - Not available.



HOLDERS FOR Y-AXIS TURNING | WSK-Y

Tool holder	H	B	L	l	W	Insert	Coolant	Plug	Screw	Key	Stock
WSK11ER 88H-2Y	8	8	100	15	19	K11ER	●	M5X0,8	M2,5X6	T7IP	○
WSK15ER 1010H-2Y	10	10	100	15	21	K15ER	●	M8X1	M3X7	T9IP	●
WSK15ER 1212H-2Y	12	12	100	15	21	K15ER	●	1/8" NPT	M3X7	T9IP	●
WSK15ER 0500H-2Y	1/2"	1/2"	100	15	21	K15ER	●	1/8" NPT	M3X7	T9IP	●
WSK15ER 1616K-2Y	16	16	125	15	21	K15ER	●	1/8" NPT	M3X7	T9IP	○

● Stock standard, ○ Delivery on request, - Not available.



ROUND TOOL HOLDERS WITH DOUBLE INSERT | DSK

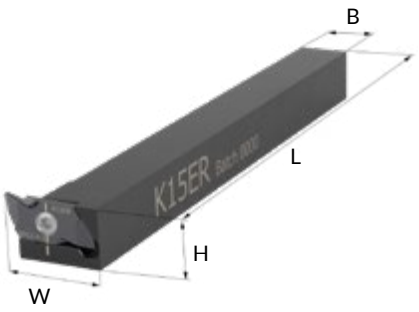
Tool holder	D	W	L	l	Insert	Coolant	Plug	Screw	Key	Stock
DSK15ER 0625M-2C	5/8"	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0016M-2C	16	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0750M-2C	3/4"	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0750G-2C*	3/4"	24	87	28	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0020M-2C	20	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0022M-2C	22	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 0025M-2C	25	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●
DSK15ER 1000M-2C	1"	24	150	40	K15ER	●	1/8" NPT	M3X7	T9IP	●

NEWS

● Stock standard, ○ Delivery on request, - Not available.

* New, shorter holders designed to fit the latest generation of Citizen machines.
All holders are available as DSKJ15ER, with one J15ER and one K15ER pocket.
All holders have four location flats.

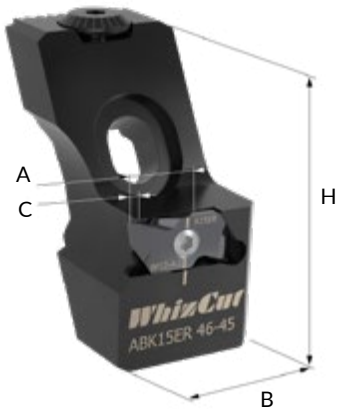
TABLES TOOL HOLDERS



SQUARE Z-AXIS TOOL HOLDERS | ZSK

Tool holder	H	B	L	W	Insert	Screw	Key	Stock
ZSK15ER 1212K-2P	12	12	125	20	K15ER	M3X7	T9IP	●
ZSK15ER 1616K-2P	16	16	125	24	K15ER	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.



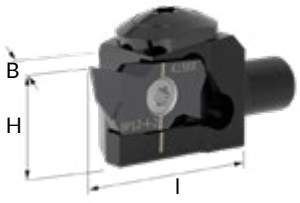
WHIZADJUST TOOL HOLDER HEAD | ABK

Tool holder head	H	B	A	C-max doc	Max feed length	Insert	Screw	Key	Stock
ABK15ER-46-45	46	24	10	2	45	K15ER	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

More on WhizAdjust tool holders and shanks on page 70.

MORE WHIZADJUST P. 70



QUICK CHANGE HEADS - WHIZADAPT PZ | WAK

WhizAdapt PZ head	Interface	H	B	I	Coolant	Insert	Screw	Key	Stock
WAK15ER PZ1022-2	PZ10	10	10	22	K15ER	●	M3X7	T9IP	●
WAK15ER PZ1222-2	PZ12	12*	12	22	K15ER	●	M3X7	T9IP	●
WAK15ER PZ1622-2	PZ16	16	16	22	K15ER	●	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

* 1/2" with 1/2" shank

MORE WHIZADAPT P. 74



WHIZGROOVE

WhizGroove is a grooving tool that keeps your workflow smooth and efficient. Its 12-degree cutting rake reduces wear and extends insert life, helping your Swiss lathe deliver consistent, high-quality results without interruptions.



PRECISION GROOVING

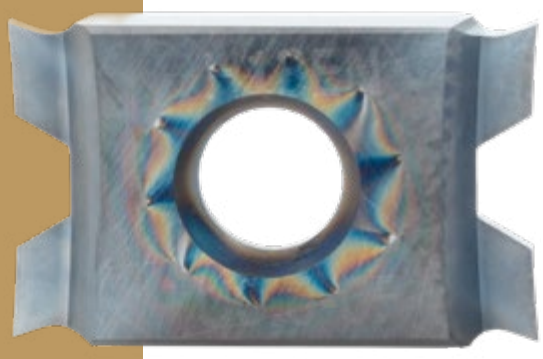
Four precision ground cutting edges for optimal performance in grooving.

CUTTING TOOLS

GROOVE WITH CONFIDENCE

WhizGroove inserts are made for precision, with four cutting edges that hold tight tolerances — down to ±0.01 mm. You get consistent quality without the hassle.

- **WINNING GEOMETRY**
  Four precision-ground cutting edges for stability, sharpness, and cost-efficiency.
- **MULTIPLE EDGE DESIGNS**
  Available in sharp corners, corner radius, full radius, and slightly honed edges to suit diverse grooving needs.
- **PRODUCTIVITY BOOST**
  Optimized chip control and compatibility with high-pressure coolant systems reduce downtime and improve surface finish.



TECHNICAL

FOR TOUGH PRODUCTION

GROOVING INSERTS ENGINEERED FOR HIGH-PRECISION MACHINING

WhizGroove inserts are manufactured to support tight tolerance production, maintaining dimensional accuracy within ±0.01 mm. This level of precision makes WhizGroove ideal for applications where consistency and repeatability are critical. A standard 12° cutting rake reduces tool wear and enhances cutting performance across materials. WhizGroove is available in a **wide range of sizes**. **From 0.1 mm to 2.15 mm**, with step increments ranging from 0.05 mm to 0.1 mm.



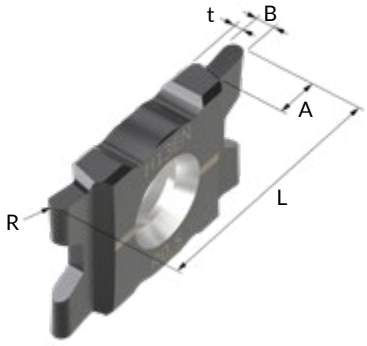
GROOVING

Tight tolerances
Reduced tool wear
Great chip control

BENEFITS

- **SINGLE PASS GROOVING**
  WhizGroove ensures excellent chip control and minimizes chip wrap.
- **HIGH PRESSURE COMPATIBLE**
  Performs optimally with WhizHip holders and our high-pressure coolant systems.
- **QUICK CHANGE**
  Fully compatible with WhizFix 2.0 quick-change system. See page 64 for details.

TABLES INSERTS



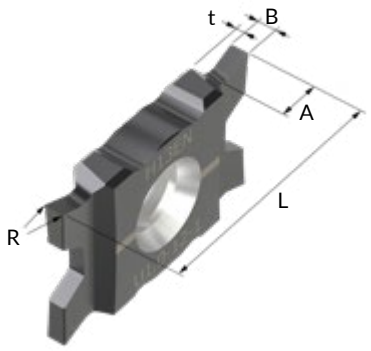


INSERTS FOR RADIUS GROOVING | R

Insert	R	B	Max A	t	8M	B8	F8	ND8	NF8
H13EN R0,15	0,15	0,3	0,6	1,05	●	●	●	-	-
H13EN R0,175	0,175	0,35	0,7	1,025	●	○	○	-	-
H13EN R0,2	0,2	0,4	0,8	1	●	●	●	-	-
H13EN R0,25	0,25	0,5	1	0,95	●	●	●	-	-
H13EN R0,3	0,3	0,6	1,2	0,9	●	●	●	-	-
H13EN R0,33	0,33	0,66	1,3	0,87	●	●	●	-	-
H13EN R0,35	0,35	0,7	1,4	0,85	●	●	●	-	-
H13EN R0,4	0,4	0,8	1,6	0,8	●	●	●	-	-
H13EN R0,5	0,5	1	2	0,7	●	●	●	○	○
H13EN R0,5L	0,5	1	3	0,7	●	●	●	○	○
H13EN R0,53	0,53	1,06	2,1	0,67	●	●	●	○	○
H13EN R0,55	0,55	1,1	2,2	0,65	●	●	●	○	○
H13EN R0,6	0,6	1,2	2,4	0,6	●	●	●	○	○
H13EN R0,75	0,75	1,5	3	0,45	●	●	●	●	●
H13EN R1,0	1	2	3	0,2	●	●	●	●	●

● Stock standard, ○ Delivery on request, - Not available.

TABLE INSERTS



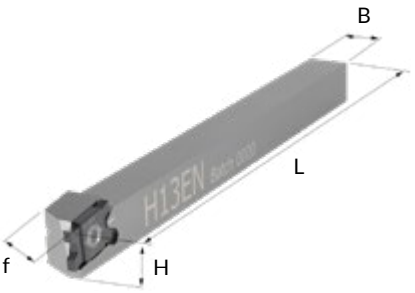


INSERTS FOR GROOVING | G, U

Insert	B	A	R	t	Circlip/DIN 471	8M	B8	F8	ND8	NF8
H13EN G0,1-12	0,1	0,2	0	1,15	-	●	●	-	-	-
H13EN G0,2-12	0,2	0,4	0	1,1	-	●	●	-	-	-
H13EN G0,25-12	0,25	0,5	0	1,075	-	●	●	-	-	-
H13EN G0,3-12	0,3	0,6	0	1,05	-	●	●	-	-	-
H13EN G0,35-12	0,35	0,7	0	1,025	-	●	●	-	-	-
H13EN G0,4-12	0,4	0,8	0	1	-	●	●	●	-	-
H13EN U0,4-12-05	0,4	0,8	0,05	1	-	●	●	●	-	-
H13EN G0,45-12	0,45	0,9	0	0,975	-	●	●	●	-	-
H13EN U0,45-12-05	0,45	0,9	0,05	0,975	-	●	●	●	-	-
H13EN G0,5-12	0,5	1	0	0,95	0,4	●	●	●	-	-
H13EN G0,5-12L	0,5	3	0	0,95	0,4	●	●	●	-	-
H13EN U0,5-12-05	0,5	1	0,05	0,95	0,4	●	●	●	-	-
H13EN G0,55-12	0,55	1,1	0	0,925	-	●	●	●	-	-
H13EN G0,6-12	0,6	1,2	0	0,9	0,5	●	●	●	-	-
H13EN U0,6-12-05	0,6	1,2	0,05	0,9	0,5	●	●	●	-	-
H13EN G0,7-12	0,7	1,4	0	0,85	0,6	●	●	●	-	-
H13EN U0,7-12-05	0,7	1,4	0,05	0,85	0,6	●	●	●	-	-
H13EN G0,8-12	0,8	1,6	0	0,8	0,7	●	●	●	-	-
H13EN U0,8-12-05	0,8	1,6	0,05	0,8	0,7	●	●	●	○	○
H13EN G0,9-12	0,9	1,8	0	0,75	0,8	●	●	●	-	-
H13EN U0,9-12-05	0,9	1,8	0,05	0,75	0,8	●	●	●	○	○
H13EN G0,95-12	0,95	1,9	0	0,725	0,8	●	●	●	-	-
H13EN U0,95-12-05	0,95	1,9	0,05	0,725	0,8	●	●	●	○	○
H13EN G1,0-12	1	2	0	0,7	0,9	●	●	●	-	-
H13EN G1,0-12L	1	3	0	0,7	0,9	●	●	●	-	-
H13EN U1,0-12-05	1	2	0,05	0,7	0,9	●	●	●	○	○
H13EN U1,0-12-05L	1	3	0,05	0,7	0,9	●	●	○	○	○
H13EN U1,0-12-1	1	2	0,1	0,7	0,9	●	●	●	●	●
H13EN G1,05-12	1,05	2,1	0	0,675	0,9	●	●	●	-	-
H13EN U1,05-12-1	1,05	2,1	0,1	0,675	0,9	●	●	●	○	○
H13EN G1,1-12	1,1	2,2	0	0,65	1	●	●	●	-	-
H13EN U1,1-12-1	1,1	2,2	0,1	0,65	1	●	●	●	○	○
H13EN G1,15-12	1,15	2,3	0	0,625	1	●	●	●	-	-
H13EN U1,15-12-1	1,15	2,3	0,1	0,625	1	●	●	●	●	●
H13EN G1,25-12	1,25	2,5	0	0,575	-	●	●	●	-	-
H13EN U1,25-12-1	1,25	2,5	0,1	0,575	-	●	●	●	○	○
H13EN G1,3-12	1,3	2,6	0	0,55	1,2	●	●	●	-	-
H13EN U1,3-12-1	1,3	2,6	0,1	0,55	1,2	●	●	●	●	●
H13EN G1,35-12	1,35	2,7	0	0,525	1,2	●	●	●	-	-
H13EN U1,35-12-1	1,35	2,7	0,1	0,525	1,2	●	●	●	○	○
H13EN G1,45-12	1,45	2,9	0	0,475	-	●	●	●	-	-
H13EN U1,45-12-1	1,45	2,9	0,1	0,475	-	●	●	●	○	○
H13EN G1,5-12	1,5	3	0	0,45	-	●	●	●	-	-
H13EN U1,5-12-1	1,5	3	0,1	0,45	-	●	●	●	●	●
H13EN G1,65-12	1,65	3	0	0,375	1,5	●	●	●	-	-
H13EN U1,65-12-1	1,65	3	0,1	0,375	1,5	●	○	○	●	●
H13EN G1,75-12	1,75	3	0	0,325	-	●	●	●	-	-
H13EN U1,75-12-1	1,75	3	0,1	0,325	-	●	○	○	●	●
H13EN G1,9-12	1,9	3	0	0,25	1,75	●	●	●	-	-
H13EN U1,9-12-1	1,9	3	0,1	0,25	1,75	●	○	○	●	●
H13EN G2,0-12	2	3	0	0,2	-	●	●	●	-	-
H13EN U2,0-12-1	2	3	0,1	0,2	-	●	○	○	●	●
H13EN G2,05-12	2,05	3	0	0,175	-	●	●	●	-	-
H13EN U2,05-12-1	2,05	3	0,1	0,175	-	●	○	○	●	●
H13EN G2,15-12	2,15	3	0	0,125	2	●	●	●	-	-
H13EN U2,15-12-1	2,15	3	0,1	0,125	2	●	○	○	●	●

● Stock standard, ○ Delivery on request, - Not available.

TABLES TOOL HOLDERS

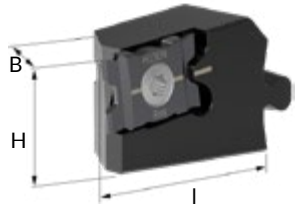


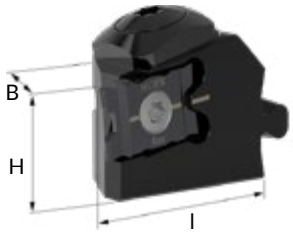


SCREW TYPE TOOL HOLDERS | TSH

	Tool holder	H	B	L	f	Coolant	Plug	Insert	Screw	Key	Stock
LEFT	TSH13EL 88H-0C	8	8	100	10	●	M5X0,8	H13	M3X7	T9IP	●
	TSH13EL 88K-0	8	8	125	8	-	-	H13	M3X7	T9IP	●
	TSH13EL 1010K-0	10	10	125	10	-	-	H13	M3X7	T9IP	●
	TSH13EL 1212K-0	12	12	125	12	-	-	H13	M3X7	T9IP	●
	TSH13EL 0500K-0	1/2"	1/2"	125	1/2"	-	-	H13	M3X7	T9IP	●
	TSH13EL 1616K-0	16	16	125	16	-	-	H13	M3X7	T9IP	●
RIGHT	TSH13ER 88H-0C	8	8	100	10	●	M5X0,8	H13	M3X7	T9IP	●
	TSH13ER 88K-0	8	8	125	8	-	-	H13	M3X7	T9IP	●
	TSH13ER 88K-0C	8	8	125	10	●	M5X0,8	H13	M3X7	T9IP	●
	TSH13ER 0375H-0C	3/8"	3/8"	100	3/8"	●	M8X1	H13	M3X7	T9IP	●
	TSH13ER 0375K-0	3/8"	3/8"	125	3/8"	-	-	H13	M3X7	T9IP	●
	TSH13ER 1010H-0C	10	10	100	10	●	M8X1	H13	M3X7	T9IP	●
	TSH13ER 1010K-0	10	10	125	10	-	-	H13	M3X7	T9IP	●
	TSH13ER 1010K-0C	10	10	125	10	●	M8X1	H13	M3X7	T9IP	●
	TSH13ER 1212K-0	12	12	125	12	-	-	H13	M3X7	T9IP	●
	TSH13ER 1212K-0C	12	12	125	12	●	1/8" NPT	H13	M3X7	T9IP	●
	TSH13ER 0500K-0	1/2"	1/2"	125	1/2"	-	-	H13	M3X7	T9IP	●
	TSH13ER 0500K-0C	1/2"	1/2"	125	1/2"	●	1/8" NPT	H13	M3X7	T9IP	●
	TSH13ER 1616K-0	16	16	125	16	-	-	H13	M3X7	T9IP	●
	TSH13ER 1616F-0C	16	16	85	16	●	1/8" NPT	H13	M3X7	T9IP	●
	TSH13ER 1616K-0C	16	16	125	16	●	1/8" NPT	H13	M3X7	T9IP	●
	TSH13ER 0750K-0	3/4"	3/4"	125	3/4"	-	-	H13	M3X7	T9IP	●
	TSH13ER 2020K-0	20	20	125	20	-	-	H13	M3X7	T9IP	●
	TSH13ER 2525M-0	25	25	150	25	-	-	H13	M3X7	T9IP	●
	TSH13ER 1000M-0	1"	1"	150	1"	-	-	H13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.





QUICK CHANGE HEADS - WHIZFIX 2.0 | WB

WhizFix 2.0 head	Interface	H	B	l	Coolant	Insert	Screw	Key	Stock
WB3 H13ER-22-0	WB3	10	10	22	-	H13	M3X7	T9IP	●
WB3 H13ER-22-0C	WB3	10	10**	22	●	H13	M3X7	T9IP	●
WB4 H13ER-22-0	WB4	12*	12	22	-	H13	M3X7	T9IP	●
WB4 H13ER-22-0C	WB4	12*	12	22	●	H13	M3X7	T9IP	●
WB5 H13ER-22-0	WB5	16	16	22	-	H13	M3X7	T9IP	●
WB5 H13ER-22-0C	WB5	16	16	22	●	H13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

* 1/2" with 1/2" shank

** 12 mm wide at nozzle

MORE WHIZFIX 2.0 P. 64

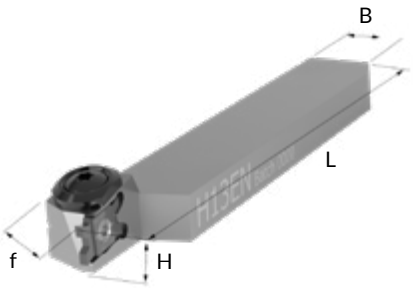


QUICK CHANGE PIN TYPE TOOL HOLDERS - WHIZFIX | TPH

Tool holder	H	B	L	f	Coolant	Plug	Insert	Pin	Bit	Stock
TPH13ER 0375K-0	3/8"	3/8"	125	3/8"	-	-	H13	PIN 12	T20	●
TPH13ER 0375K-0C	3/8"	3/8"	125	3/8"	●	M8X1	H13	PIN 12	T20	●
TPH13ER 1010H-0C	10	10	100	10	●	M8X1	H13	PIN 12	T20	●
TPH13ER 1010K-0	10	10	125	10	-	-	H13	PIN 12	T20	●
TPH13ER 1010K-0C	10	10	125	10	●	M8X1	H13	PIN 12	T20	●
TPH13ER 1212K-0	12	12	125	12	-	-	H13	PIN 12	T20	●
TPH13ER 1212K-0C	12	12	125	12	●	1/8" NPT	H13	PIN 12	T20	●
TPH13ER 0500K-0	1/2"	1/2"	125	1/2"	-	-	H13	PIN 12	T20	●
TPH13ER 0500K-0C	1/2"	1/2"	125	1/2"	●	1/8" NPT	H13	PIN 12	T20	●
TPH13ER 1616K-0	16	16	125	16	-	-	H13	PIN 12	T20	●
TPH13ER 1616K-0C	16	16	125	16	●	1/8" NPT	H13	PIN 12	T20	●

● Stock standard, ○ Delivery on request, - Not available.

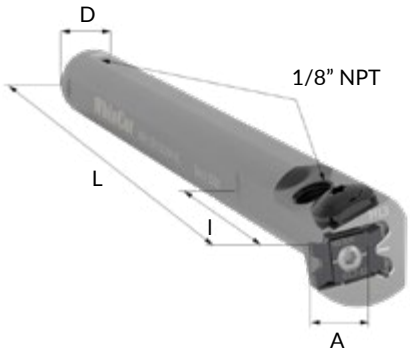
TABLES TOOL HOLDERS



SHIFTED EDGE TOOL HOLDERS | TSH

Tool holder	H	B	L	f	Coolant	Plug	Insert	Screw	Key	Stock
TSH13ER 1020H-0C	10	20	100	10	●	M8X1	H13	M3X7	T9IP	●
TSH13ER 1224K-0C	12	24	125	12	●	1/8" NPT	H13	M3X7	T9IP	●
TSH13ER 0510K-0C	1/2"	1"	125	1/2"	●	1/8" NPT	H13	M3X7	T9IP	●
TSH13ER 1632K-0C	16	32	125	16	●	1/8" NPT	H13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.



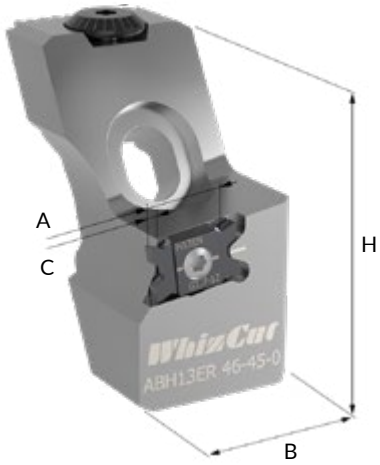
ROUND SHANK TOOL HOLDERS | WRH

Tool holder	D	A	L	l	Coolant	Insert	Plug	Screw	Key	Stock
WRH13ER 0625M-0C	5/8"	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0016M-0C	16	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0750M-0C	3/4"	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0750G-0C*	3/4"	10	87	28	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0020M-0C	20	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0022M-0C	22	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 0025M-0C	25	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●
WRH13ER 1000M-0C	1"	10	150	40	●	H13	1/8" NPT	M3X7	T9IP	●

NEWS

● Stock standard, ○ Delivery on request, - Not available.

* New, shorter holders designed to fit the latest generation of Citizen machines.



WHIZADJUST TOOL HOLDER HEAD | ABH

Tool holder head	H	B	A	C-max doc	Max feed length	Insert	Screw	Key	Stock
ABH13ER-46-45-0	46	24	11	3	45	H13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

MORE WHIZADJUST P. 70



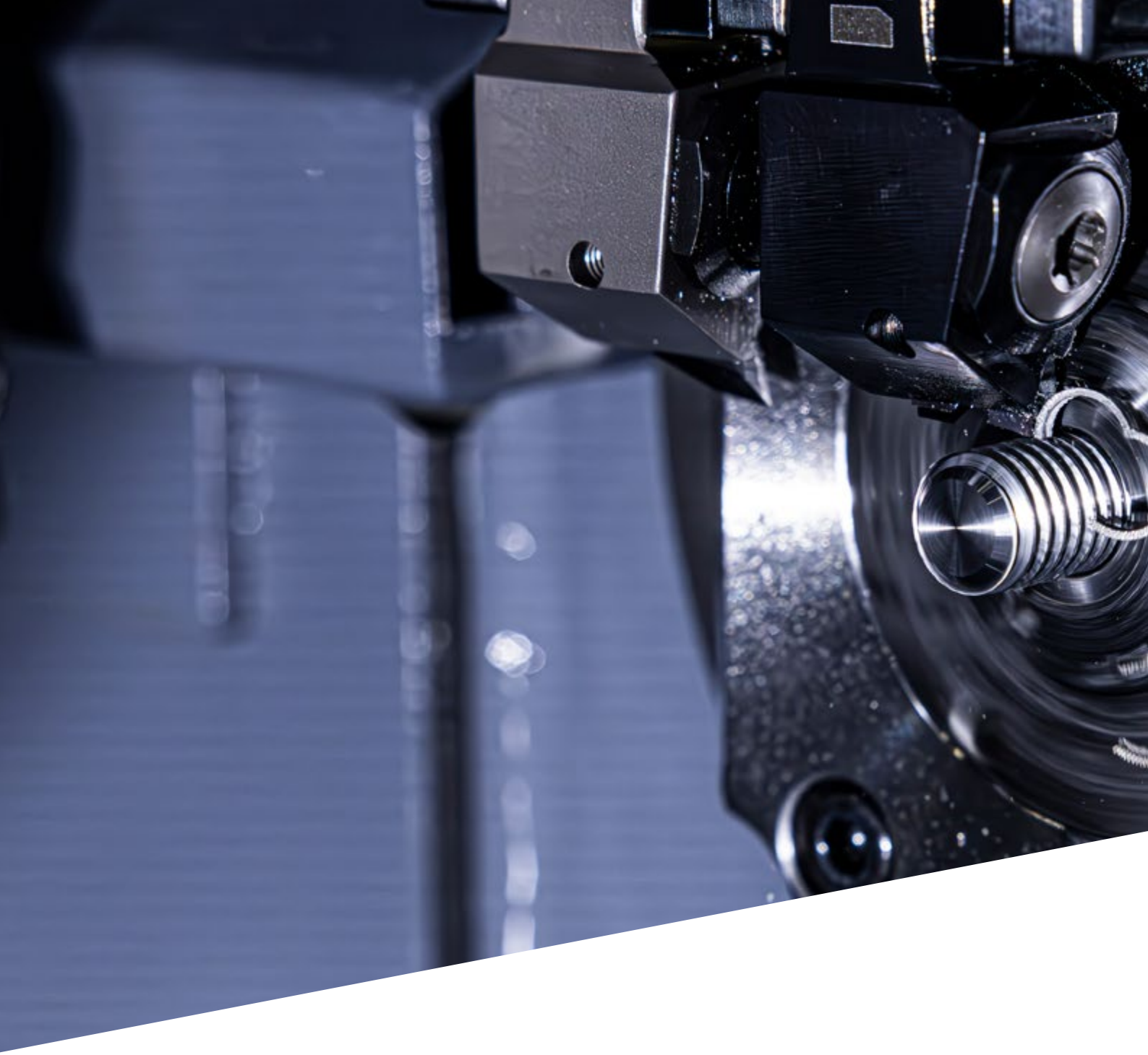
QUICK CHANGE HEADS - WHIZADAPT PZ | WAH

WhizAdapt PZ head	Interface	H	B	l	L	Coolant	Insert	Screw	Key	Stock
WAH13ER PZ1022-0	PZ10	10	13,5	22	106	●	H13	M3X7	T9IP	●
WAH13ER PZ1222-0	PZ12	12*	16	22	106	●	H13	M3X7	T9IP	●
WAH13ER PZ1622-0	PZ16	16	20	22	6,2	●	H13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

* 1/2" with 1/2" shank

MORE WHIZADAPT P. 74



WHIZTHREAD

Get more done with the WhizThread system. The smart design includes four ultra-sharp, precision-ground cutting edges, mounted tangentially to improve chip flow and extend tool life. All while delivering reliable, high-quality threading.



PRECISION THREADING

Delivering outstanding performance and cost-efficiency in every threading operation.

CUTTING TOOLS

THREAD WITHOUT COMPROMISE

WhizThread's smart design includes four precision-ground cutting edges that keep things stable while threading. That stability helps reduce vibrations and tool deflection, which means smoother cuts and more consistent results.
The payoff? A cleaner surface finish and high-quality threads every time.

- **PRECISION-GROUND THREADING INSERTS**
  Ranging from 0,2-2,0 mm pitch (120, 12 TPI).
- **TANGENTIAL MOUNTING**
  For better stability.
- **THREADING UP TO THE SHOULDER**
  Maximizes usable thread length.



TECHNICAL

FOR TOUGH MATERIALS

WHIZTHREAD DELIVERS TOP PERFORMANCE AT LOW COST

WhizThread's rigid insert seat, combined with ultra-sharp cutting edges and hard, wear-resistant carbide, ensures outstanding performance. Particularly in demanding materials such as stainless steel and titanium. This optimized design reduces the number of passes required, improving efficiency and tool life. For superior results, perform a final pass with a minimal depth of cut to achieve an exceptional surface finish on the thread.

WHIZGUIDE

SET CUTTING ANGLE

1

CUTTING ANGLE: +2°, +4°,+6°

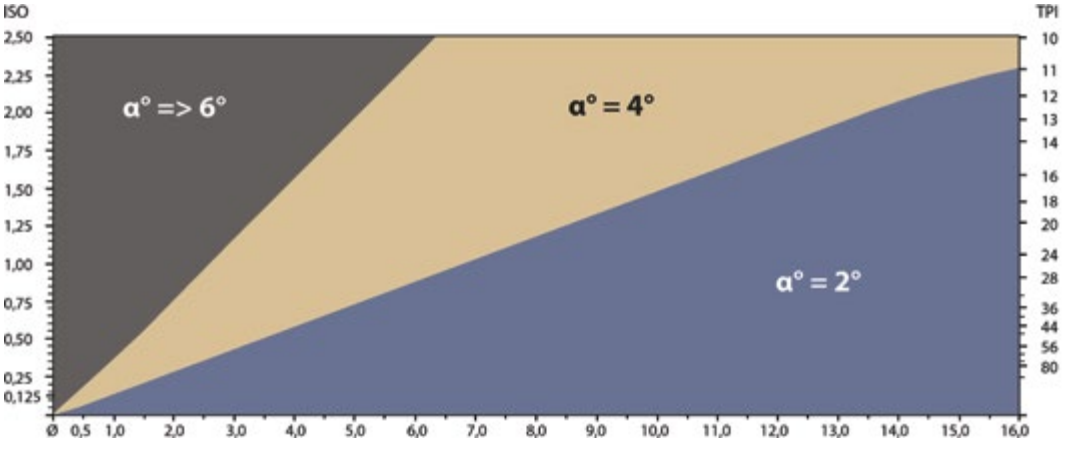
- The secret of threading really small parts is to select the correct cutting angle of the tool holder.
- WhizThread tool holders are available with 2°, 4° and +6° or bigger cutting angle.

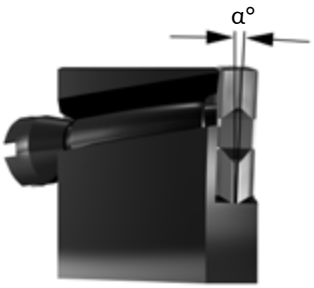
2

PITCH AND DIAMETER

- The WhizGuide-table recommends an appropriate tool holder, depending on part thread and diameter.
- If you have a very high pitch-to-diameter-ratio we advise special tool holders.

TOOL HOLDER RECOMMENDATION





ONLINE

FIND MY THREADING TOOL

Scan the QR code to access our new WhizThread tool selector on whizcut.com. Easily find the correct threading tool and get the optimal cutting data by selecting the thread designation and material .

SMALL & LARGE THREAD PROFILES

DIFFERENCES BETWEEN SMALL AND LARGE

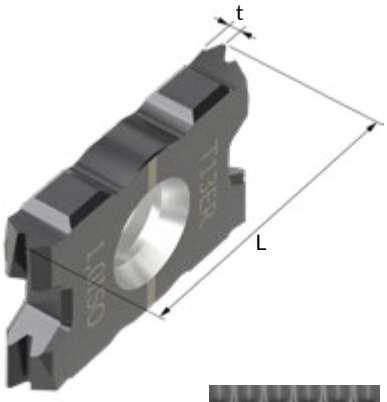
Insert with small thread profiles (ER) 0,20-1,0 ISO and 120-24 UN

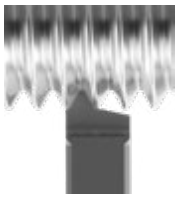


Insert with large thread profiles (EN) ≥1,25 ISO and ≤20 UN



TABLES INSERTS

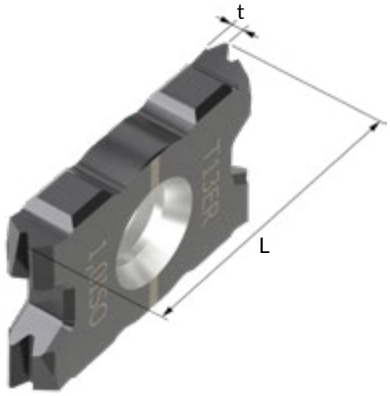


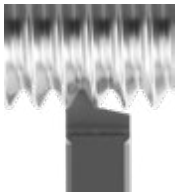


INSERTS FOR FULL PROFILE THREADING | T-ISO

Inserts	Pitch mm	t	L	8M	B8	C8	F8	ND8	NF8
T13EL 0,5ISO	0,5	0,3	13	○	○	-	○	○	-
T13ER 0,2ISO	0,2	0,15	13	●	●	-	-	-	-
T13ER 0,25ISO	0,25	0,2	13	●	●	-	●	-	-
T13ER 0,3ISO	0,3	0,2	13	●	●	-	●	-	-
T13ER 0,35ISO	0,35	0,25	13	●	●	-	●	-	-
T13ER 0,4ISO	0,4	0,25	13	●	●	-	●	-	-
T13ER 0,45ISO	0,45	0,3	13	●	●	-	●	-	-
T13ER 0,5ISO	0,5	0,3	13	●	●	○	●	○	-
T13ER 0,6ISO	0,6	0,35	13	●	●	○	●	○	-
T13ER 0,7ISO	0,7	0,4	13	●	●	○	●	○	-
T13ER 0,75ISO	0,75	0,4	13	●	●	○	●	○	○
T13ER 0,8ISO	0,8	0,45	13	●	●	○	●	○	○
T13ER 1,0ISO	1	0,55	13	●	●	○	●	●	●
T13EN 1,25ISO	1,25	1,1	13	●	○	○	○	●	●
T13EN 1,5ISO	1,5	1,1	13	●	○	○	○	●	●
T13EN 1,75ISO	1,75	1,1	13	●	○	○	○	●	●
T13EN 2,0ISO	2	1,1	13	●	○	○	○	●	●

● Stock standard, ○ Delivery on request, - Not available.



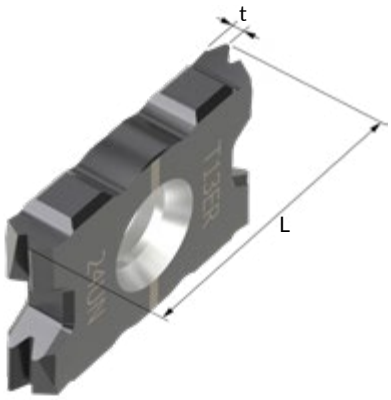


INSERTS FOR FULL PROFILE THREADING UNC, UNF, UNEF, UNS | T-UN

Inserts	TPI	t	L	8M	B8	C8	F8	ND8	NF8
T13ER 120UN	120	0,15	13	●	●	-	●	-	-
T13ER 96UN	96	0,2	13	○	○	-	○	-	-
T13ER 90UN	90	0,2	13	●	●	-	●	-	-
T13ER 80UN	80	0,2	13	●	●	○	●	-	-
T13ER 72UN	72	0,25	13	●	●	○	●	-	-
T13ER 64UN	64	0,25	13	●	●	○	●	-	-
T13ER 56UN	56	0,3	13	●	●	○	●	-	-
T13ER 48UN	48	0,35	13	●	●	○	●	-	-
T13ER 44UN	44	0,35	13	●	●	○	●	-	-
T13ER 40UN	40	0,4	13	●	●	○	●	-	-
T13ER 36UN	36	0,4	13	●	●	○	●	-	-
T13ER 32UN	32	0,45	13	●	●	○	●	-	-
T13ER 28UN	28	0,5	13	●	●	○	●	-	-
T13ER 24UN	24	0,55	13	●	●	○	●	●	●
T13EN 20UN	20	1,1	13	●	○	○	○	●	●
T13EN 18UN	18	1,1	13	●	○	○	○	●	●
T13EN 16UN	16	1,1	13	●	○	○	○	●	●
T13EN 14UN	14	1,1	13	●	○	○	○	●	●
T13EN 13UN	13	1,1	13	●	○	○	○	●	●
T13EN 12UN	12	1,1	13	●	○	○	○	●	●

● Stock standard, ○ Delivery on request, - Not available.

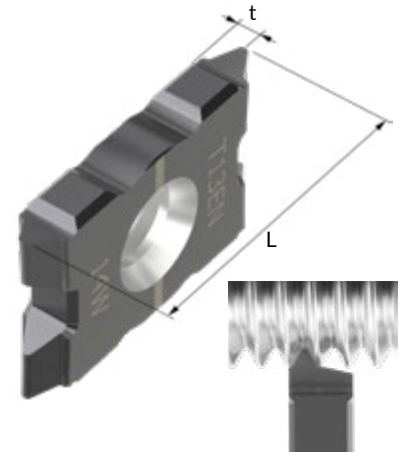
TABLES INSERTS



INSERTS FOR FULL PROFILE THREADING | UNJC, UNJF, UNJEF, UNJS | T-UN

Inserts	TPI	t	L	8M	B8	C8	F8	ND8	NF8
T13ER 48UNJ	48	0,35	13	●	●	○	●	-	-
T13ER 40UNJ	40	0,4	13	●	●	○	●	-	-
T13ER 36UNJ	36	0,4	13	●	●	○	●	-	-
T13ER 32UNJ	32	0,45	13	●	●	○	●	-	-
T13ER 28UNJ	28	0,5	13	●	●	○	●	-	-
T13ER 24UNJ	24	0,55	13	●	●	○	●	-	-
T13EN 20UNJ	20	1,1	13	●	○	○	○	●	●
T13EN 18UNJ	18	1,1	13	●	○	○	○	●	●
T13EN 16UNJ	16	1,1	13	●	○	○	○	●	●
T13EN 14UNJ	14	1,1	13	●	○	○	○	●	●
T13EN 13UNJ	13	1,1	13	●	○	○	○	●	●
T13EN 12UNJ	12	1,1	13	●	○	○	○	●	●

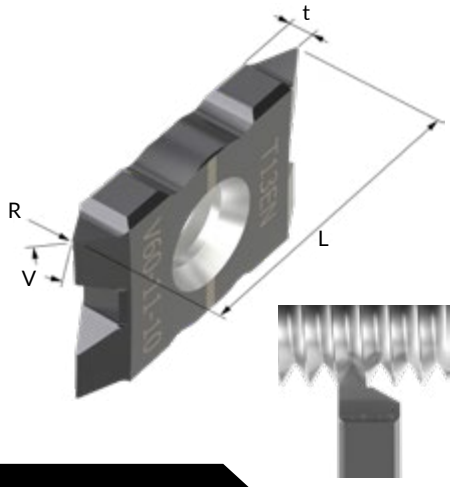
● Stock standard, ○ Delivery on request, - Not available.



INSERTS FOR FULL PROFILE PIPE THREAD | T-NPT, T-NPTF, T-WHITWORTH

Inserts	Type	Norm	TPI	t	L	8M	B8	C8	F8	ND8	NF8
T13ER 27NPT	NPT	1/16-1/8	27	0,55	13	●	●	○	●	○	○
T13EN 18NPT	NPT	1/4-3/8	18	1,1	13	●	○	○	○	●	●
T13EN 14NPT	NPT	1/2-3/4	14	1,1	13	●	○	○	○	●	●
T13ER 27NPTF	NPTF	1/16-1/8	27	0,55	13	●	●	○	●	-	-
T13EN 18NPTF	NPTF	1/4-3/8	18	1,1	13	●	●	○	●	○	○
T13EN 14NPTF	NPTF	1/2-3/4	14	1,1	13	●	●	○	●	○	○
T13ER 28W	WHITWORTH	1/16-1/8	28	0,55	13	●	●	○	●	○	○
T13EN 19W	WHITWORTH	1/4-3/8	19	1,1	13	●	○	○	○	●	●
T13EN 14W	WHITWORTH	1/2-7/8	14	1,1	13	●	○	○	○	●	●

● Stock standard, ○ Delivery on request, - Not available.



INSERTS FOR PARTIAL PROFILE THREADING | V

Inserts	V	Pitch metric	Pitch TPI	R	t	L	8M	B8	C8	F8	ND8	NF8
T13ER V55-02-02	55°	0,2-0,4	128-64	0,02	0,2	13	●	●	○	●	-	-
T13ER V55-05-02	55°	0,2-1,0	128-24	0,02	0,5	13	●	●	○	●	-	-
T13ER V60-01-01	60°	0,1-0,2	256-120	0,01	0,1	13	●	●	○	●	-	-
T13ER V60-02-02	60°	0,2-0,4	128-64	0,02	0,2	13	●	●	○	●	-	-
T13ER V60-05-02	60°	0,2-1,0	128-24	0,02	0,5	13	●	●	○	●	-	-
T13ER V60-05-05	60°	0,4-1,0	64-24	0,05	0,5	13	●	●	○	●	-	-
T13EN V55-11-10	55°	0,7-2,0	36-12	0,1	1,1	13	●	●	○	●	○	○
T13EN V60-11-05	60°	0,4-2,0	64-12	0,05	1,1	13	●	●	○	●	○	○
T13EN V60-11-10	60°	0,7-2,0	36-12	0,1	1,1	13	●	●	○	●	●	●
T13EN V80-11-14	80°	-		0,14	1,1	13	○	○	○	○	○	○
T13EN V90-11	90°	-		C 0,10	1,1	13	○	○	○	○	○	○

● Stock standard, ○ Delivery on request, - Not available.

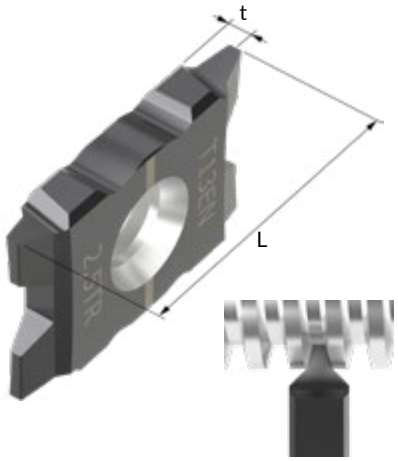
NOTES

TR, ACME AND STUB ACME

RELIABLE STABILITY

INSERTS WITH ADDED SIDE CLEARANCE ALONG THE PROFILE

- **PERFECT FOR ALL TOLERANCE CLASSES**
  Engineered to meet all tolerance classes, with inserts precision-manufactured to comply with ISO and AISI specifications.
- **GREAT CLEARANCE**
  Excellent clearance is maintained even when the helix angle varies between the major and minor diameters.
- **GOOD SURFACE FINISH**
  Achieves superior surface finish due to optimized tool clearance.
- **OUTSTANDING STABILITY**
  Exceptional stability compared to conventional threading insert designs.
- **PRODUCTIVITY INCREASES**
  Higher speeds and feeds drive productivity, thanks to the combination of insert stability and precision-engineered reliefs.
- **CUSTOMIZED INSERTS**
  Can also be made with similar benefits, for module and other thread types.



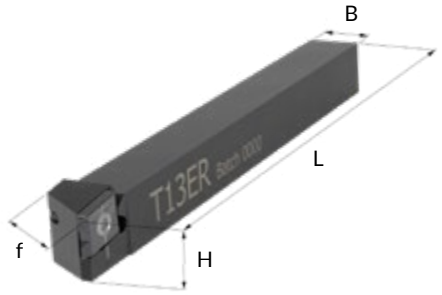
INSERTS FOR MOTION THREADS | T-TR, T-ACME, T-STACME

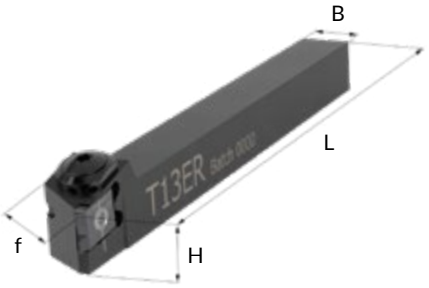
Inserts	Thread type	Pitch mm	TPI	t	L	8M	B8	F8	ND8	NF8
T13EN 1,5TR	TR	1,5	-	1,1	13	○	○	○	●	●
T13EN 2,0TR	TR	2	-	1,1	13	○	○	○	●	●
T13EN 2,5TR	TR	2,5	-	1,1	13	○	○	○	●	●
T13EN 16ACME	ACME	-	16	1,1	13	○	○	○	●	●
T13EN 14ACME	ACME	-	14	1,1	13	○	○	○	●	●
T13EN 12ACME	ACME	-	12	1,1	13	○	○	○	●	●
T13EN 10ACME	ACME	-	10	1,1	13	○	○	○	●	●
T13EN 16STACME	STACME	-	16	1,1	13	○	○	○	●	●
T13EN 14STACME	STACME	-	14	1,1	13	○	○	○	●	●
T13EN 12STACME	STACME	-	12	1,1	13	○	○	○	●	●
T13EN 10STACME	STACME	-	10	1,1	13	○	○	○	●	●

● Stock standard, ○ Delivery on request, - Not available.



TABLES TOOL HOLDERS

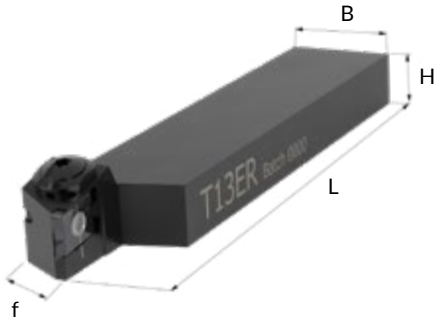




SCREW TYPE TOOL HOLDERS | TST

Tool holder	H	B	L	f	α	Coolant	Plug	Insert	Screw	Key	Stock
TST13EL 1212K-4	12	12	125	12	4°	-	-	T13	M3X7	T9IP	●
TST13EL 1212K-4C	12	12	125	12	4°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 88H-2C	8	8	100	10	2°	●	M5X0,8	T13	M3X7	T9IP	●
TST13ER 88K-2	8	8	125	8	2°	-	-	T13	M3X7	T9IP	●
TST13ER 88K-2C	8	8	125	10	2°	●	M5X0,8	T13	M3X7	T9IP	●
TST13ER 88H-4C	8	8	100	10	4°	●	M5X0,8	T13	M3X7	T9IP	●
TST13ER 88K-4	8	8	125	8	4°	-	-	T13	M3X7	T9IP	●
TST13ER 88K-4C	8	8	125	10	4°	●	M5X0,8	T13	M3X7	T9IP	●
TST13ER 0375K-2	3/8"	3/8"	125	3/8"	2°	-	-	T13	M3X7	T9IP	●
TST13ER 0375K-2C	3/8"	3/8"	125	3/8"	2°	●	M8X1	T13	M3X7	T9IP	●
TST13ER 0375K-4	3/8"	3/8"	125	3/8"	4°	-	-	T13	M3X7	T9IP	●
TST13ER 0375K-4C	3/8"	3/8"	125	3/8"	4°	●	M8X1	T13	M3X7	T9IP	●
TST13ER 1010H-2C	10	10	100	10	2°	●	M8X1	T13	M3X7	T9IP	●
TST13ER 1010K-2	10	10	125	10	2°	-	-	T13	M3X7	T9IP	●
TST13ER 1010K-2C	10	10	125	10	2°	●	M8X1	T13	M3X7	T9IP	●
TST13ER 1010H-4C	10	10	100	10	4°	●	M8X1	T13	M3X7	T9IP	●
TST13ER 1010K-4	10	10	125	10	4°	-	-	T13	M3X7	T9IP	●
TST13ER 1010K-4C	10	10	125	10	4°	●	M8X1	T13	M3X7	T9IP	○
TST13ER 1010K-6	10	10	125	10	6°	-	-	T13	M3X7	T9IP	●
TST13ER 1212K-2	12	12	125	12	2°	-	-	T13	M3X7	T9IP	●
TST13ER 1212K-2C	12	12	125	12	2°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 1212K-4	12	12	125	12	4°	-	-	T13	M3X7	T9IP	●
TST13ER 1212K-4C	12	12	125	12	4°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 1212K-6	12	12	125	12	6°	-	-	T13	M3X7	T9IP	●
TST13ER 1212K-8	12	12	125	12	8°	-	-	T13	M3X7	T9IP	●
TST13ER 0500K-2	1/2"	1/2"	125	1/2"	2°	-	-	T13	M3X7	T9IP	●
TST13ER 0500K-2C	1/2"	1/2"	125	1/2"	2°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 0500K-4	1/2"	1/2"	125	1/2"	4°	-	-	T13	M3X7	T9IP	●
TST13ER 0500K-4C	1/2"	1/2"	125	1/2"	4°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 1616K-2	16	16	125	16	2°	-	-	T13	M3X7	T9IP	●
TST13ER 1616K-2C	16	16	125	16	2°	●	1/8" NPT	T13	M3X7	T9IP	●
TST13ER 1616K-4	16	16	125	16	4°	-	-	T13	M3X7	T9IP	●
TST13ER 0750K-2	3/4"	3/4"	125	3/4"	2°	-	-	T13	M3X7	T9IP	●
TST13ER 0750K-4	3/4"	3/4"	125	3/4"	4°	-	-	T13	M3X7	T9IP	●
TST13ER 2020K-2	20	20	125	20	2°	-	-	T13	M3X7	T9IP	●
TST13ER 2525M-2	25	25	150	25	2°	-	-	T13	M3X7	T9IP	●
TST13ER 1000M-2	1"	1"	150	1"	2°	-	-	T13	M3X7	T9IP	●

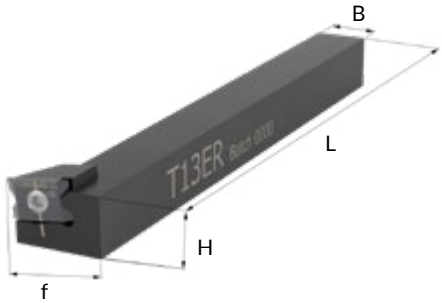
● Stock standard, ○ Delivery on request, - Not available.



SHIFTED EDGE TOOL HOLDERS | TST

Tool holder	H	B	L	f	α	Insert	Coolant	Plug	Pin	Bit	Stock
TST13ER 1020H-2C	10	20	100	10	2°	T13	●	M8X1	M3X7	T9IP	●
TST13ER 1020H-4C	10	20	100	10	4°	T13	●	M8X1	M3X7	T9IP	●
TST13ER 1224K-2C	12	24	125	12	2°	T13	●	1/8" NPT	M3X7	T9IP	●
TST13ER 1224K-4C	12	24	125	12	4°	T13	●	1/8" NPT	M3X7	T9IP	●
TST13ER 0510K-2C	1/2"	1"	125	1/2"	2°	T13	●	1/8" NPT	M3X7	T9IP	●
TST13ER 0510K-4C	1/2"	1"	125	1/2"	4°	T13	●	1/8" NPT	M3X7	T9IP	●
TST13ER 1632K-2C	16	32	125	16	2°	T13	●	1/8" NPT	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.



SQUARE Z-AXIS TOOL HOLDERS | ZST

Tool holder	H	B	L	f	α	Insert	Screw	Key	Stock
ZST13ER 1212K-2	12	12	125	20	2°	T13	M3X7	T9IP	●
ZST13ER 1616K-2	16	16	125	24	2°	T13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

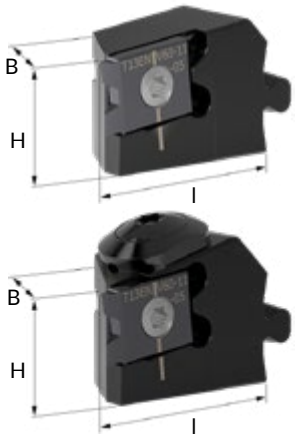
TABLES TOOL HOLDERS



NEW MODULAR TOOL HOLDER WHIZFIX 2.0

- User friendly with one hand change
- Same precision as a solid holder
- Minimalistic design

MORE ON PAGE 64



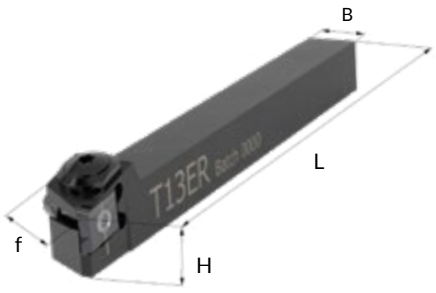
QUICK CHANGE HEADS - WHIZFIX 2.0 | WB-T

WhizFix 2.0 head	Interface	H	B	α	l	Coolant	Insert	Screw	Stock
WB3 T13ER-22-2	WB3	10	10	2°	22	-	T13	M3X7	●
WB3 T13ER-22-2C	WB3	10	10**	2°	22	●	T13	M3X7	●
WB3 T13ER-22-4	WB3	10	10	4°	22	-	T13	M3X7	●
WB3 T13ER-22-4C	WB3	10	10**	4°	22	●	T13	M3X7	●
WB4 T13ER-22-2	WB4	12*	12	2°	22	-	T13	M3X7	●
WB4 T13ER-22-2C	WB4	12*	12	2°	22	●	T13	M3X7	●
WB4 T13ER-22-4	WB4	12*	12	4°	22	-	T13	M3X7	●
WB4 T13ER-22-4C	WB4	12*	12	4°	22	●	T13	M3X7	●
WB5 T13ER-22-2	WB5	16	16	2°	22	-	T13	M3X7	●
WB5 T13ER-22-2C	WB5	16	16	2°	22	●	T13	M3X7	●
WB5 T13ER-22-4	WB5	16	16	4°	22	-	T13	M3X7	●
WB5 T13ER-22-4C	WB5	16	16	4°	22	●	T13	M3X7	●

● Stock standard, ○ Delivery on request, - Not available.

* 1/2" with 1/2" shank
** 12 mm wide at nozzle

MORE WHIZFIX 2.0 P. 64

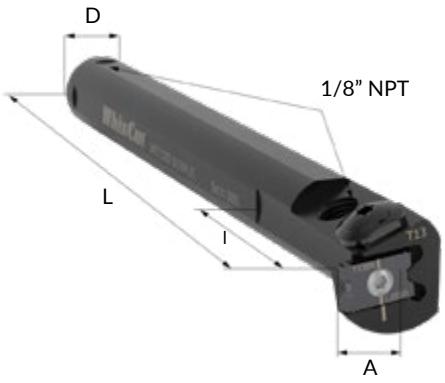


QUICK CHANGE PIN TYPE TOOL HOLDERS - WHIZFIX | TPT

Tool holder	H	B	L	f	α	Coolant	Plug	Insert	Pin	Bit	Stock
TPT13ER 0375K-2	3/8"	3/8"	125	3/8"	2°	-	-	T13	PIN 12	T20	●
TPT13ER 0375K-2C	3/8"	3/8"	125	3/8"	2°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 0375K-4	3/8"	3/8"	125	3/8"	4°	-	-	T13	PIN 12	T20	●
TPT13ER 0375K-4C	3/8"	3/8"	125	3/8"	4°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 1010H-2C	10	10	100	10	2°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 1010K-2	10	10	125	10	2°	-	-	T13	PIN 12	T20	●
TPT13ER 1010K-2C	10	10	125	10	2°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 1010H-4C	10	10	100	10	4°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 1010K-4	10	10	125	10	4°	-	-	T13	PIN 12	T20	●
TPT13ER 1010K-4C	10	10	125	10	4°	●	M8X1	T13	PIN 12	T20	●
TPT13ER 1212K-2	12	12	125	12	2°	-	-	T13	PIN 12	T20	●
TPT13ER 1212K-2C	12	12	125	12	2°	●	1/8" NPT	T13	PIN 12	T20	●
TPT13ER 1212K-4	12	12	125	12	4°	-	-	T13	PIN 12	T20	●
TPT13ER 1212K-4C	12	12	125	12	4°	●	1/8" NPT	T13	PIN 12	T20	●
TPT13ER 0500K-2	1/2"	1/2"	125	1/2"	2°	-	-	T13	PIN 12	T20	●
TPT13ER 0500K-2C	1/2"	1/2"	125	1/2"	2°	●	1/8" NPT	T13	PIN 12	T20	●
TPT13ER 0500K-4	1/2"	1/2"	125	1/2"	4°	-	-	T13	PIN 12	T20	●
TPT13ER 0500K-4C	1/2"	1/2"	125	1/2"	4°	●	1/8" NPT	T13	PIN 12	T20	●
TPT13ER 1616K-2	16	16	125	16	2°	-	-	T13	PIN 12	T20	●
TPT13ER 1616K-2C	16	16	125	16	2°	●	1/8" NPT	T13	PIN 12	T20	●
TPT13ER 1616K-4	16	16	125	16	4°	-	-	T13	PIN 12	T20	●

● Stock standard, ○ Delivery on request, - Not available.

TABLES TOOL HOLDERS



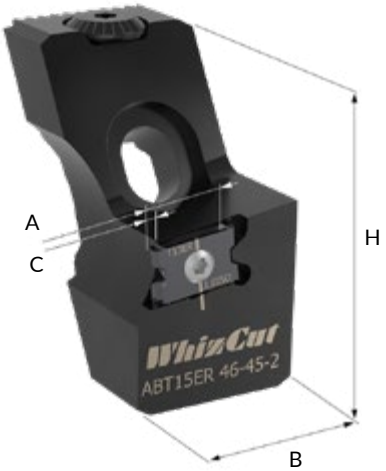
SHANK TOOL HOLDERS | WRT

Tool holder	D	A	L	I	α	Coolant	Plug	Insert	Screw	Key	Stock
WRT13ER 0625M-2C	5/8"	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0625M-4C	5/8"	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0016M-2C	16	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0016M-4C	16	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0750M-2C	3/4"	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0750M-4C	3/4"	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0750G-2C*	3/4"	10	87	28	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0750G-4C*	3/4"	10	87	28	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0020M-2C	20	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0020M-4C	20	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0022M-2C	22	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0022M-4C	22	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0025M-2C	25	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 0025M-4C	25	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 1000M-2C	1"	10	150	40	2°	●	1/8" NPT	T13	M3X7	T9IP	●
WRT13ER 1000M-4C	1"	10	150	40	4°	●	1/8" NPT	T13	M3X7	T9IP	●

NEWS

● Stock standard, ○ Delivery on request, - Not available.

* New, shorter holders designed to fit the latest generation of Citizen machines.



WHIZADJUST TOOL HOLDER | ABT

Tool holder head	H	B	A	α	C-max doc	Max feed length	Insert	Screw	Key	Stock
ABT13ER-46-45-2	46	24	10	2°	2	45	T13	M3X7	T9IP	●
ABT13ER-46-45-4	46	24	10	4°	2	45	T13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

MORE WHIZADJUST P. 70



QUICK CHANGE HEADS - WHIZADAPT PZ | WAT

WhizAdapt PZ head	Interface	H	B	α	I	Coolant	Insert	Screw	Key	Stock
WAT13ER PZ1022-2	PZ10	10	10**	2°	22	●	T13	M3X7	T9IP	●
WAT13ER PZ1022-4	PZ10	10	10**	4°	22	●	T13	M3X7	T9IP	●
WAT13ER PZ1222-2	PZ12	12*	12	2°	22	●	T13	M3X7	T9IP	●
WAT13ER PZ1222-4	PZ12	12*	12	4°	22	●	T13	M3X7	T9IP	●
WAT13ER PZ1622-2	PZ16	16	16	2°	22	●	T13	M3X7	T9IP	●
WAT13ER PZ1622-4	PZ16	16	16	4°	22	●	T13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

* 1/2” with 1/2” shank

** 12 mm wide at nozzle

MORE WHIZADAPT P. 74



PRECISION ACROSS INDUSTRIES

FROM AUTOMOTIVE TO AEROSPACE AND MEDICAL DEMANDS

From automotive and aerospace to medical, electronics, energy, and defense, our tools deliver accuracy, reliability, and productivity where it matters most.

NOTES



WHIZTWIN

WhizTwin is a patented parting-off insert that reduces material waste and extends tool life. Its dual-edge design lowers costs and environmental impact without compromising precision.



SMARTER PARTING OFF

Less waste. Longer tool life. More sustainable machining.

CUTTING TOOLS

CUT WASTE. KEEP PRECISION

Designed for sustainability, WhizTwin's narrow cut reduces material waste. With up to 30% longer tool life, it minimizes tool changes, scrap, and downtime, boosting productivity while lowering your environmental footprint. Thanks to the new multi spindle holders, WhizTwin is compatible with multi-spindle machines as well as Swiss-type machines.



- **LESS WASTE**
  WhizTwin's narrow cut reduces material waste.
- **LONGER TOOL LIFE**
  Optimized geometry and coolant flow extend life and reduce wear.
- **SUSTAINABLE MACHINING**
  Save material + energy and reduce CO2.



BIGGER INSERT. BIGGER IMPACT.

NEW: WHIZTWIN 20

Meet the next generation of parting-off inserts: now larger for maximum efficiency. WhizTwin 20 delivers precision cutting with a bigger profile that saves more material, reduces waste, and lowers costs. Designed for sustainability and performance, it's the smart choice for modern machining. Go big. Cut smarter. Save more.

Engineered for efficiency, the WhizTwin 20 parting-off insert drives down production costs while supporting sustainability. Its larger size and advanced features maximize resource conservation, making it a must-have for eco-conscious, high-performance machining.



PARTING OFF

Reduces waste
Less vibrations
Great chip control
Stability

BENEFITS

- **OPTIMIZE MATERIAL**
  Dual-edge design for efficient cutting and minimal waste.
- **LESS VIBRATION**
  Dual front edges for closer clamping.
- **CHIP CONTROL**
  Four rake options for better chip control and cutting.
- **MATERIAL AND BAR-STOCK SAVINGS**
  Narrow parting saves material thanks to WhizTwin's stability.
- **NEUTRAL INSERT**
  For right and left hand tool holders.

COOL, CLEAN AND CONSISTENT

OPTIMIZED FOR COOLANT FLOW AND CUTTING STABILITY

WhizTwin's design ensures efficient coolant delivery right to the cutting edge: reducing heat, extending tool life, and improving chip control. The result? Cleaner cuts, less wear, and more sustainable machining with every part off. It is ideal for both high-volume and short-run production.

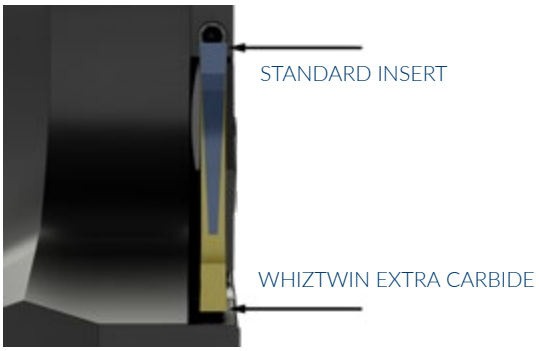
TWO EDGES ONE STABLE CUT

INNOVATIVE VIBRATION CONTROL

The dual-edge design allows the lower cutting edge to support the upper one. This unique geometry reduces vibration and deflection, resulting in smoother parting-off and improved surface finish, even in demanding materials.



VIBRATION CONTROL



MASS THAT MATTERS

SUPPORT FROM BELOW

WhizTwin's insert geometry is engineered for stability. By using the lower cutting edge to reinforce the upper, the design creates a self-supporting structure that minimizes deflection under load.

This added mass and support improve rigidity during parting-off, reduce insert wear, and maintain consistent cutting performance in challenging materials and high-feed applications. The result is longer tool life, superior surface finish, and reliable accuracy across demanding operations.

CLOSER CUTS BETTER STABILITY

THE OVERHANG ADVANTAGE

The innovative design lets you part off right next to the tool holder plate, minimizing overhang for maximum rigidity. This means secure clamping, less vibration, and consistently precise, efficient cuts even in the toughest conditions.



TECHNICAL

WHIZGUIDE

SELECT THE IDEAL INSERT

1 STRAIGHT OR ANGLED PART OFF

- **Style P:** 0° gives the strongest tool. Best with use of sub spindle.
- **Style Z:** 15° Suitable for use without a sub spindle or when parting off with a center hole.

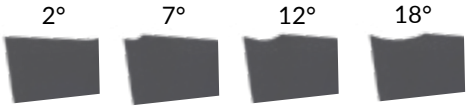
2 CUTTING RAKE OPTIONS

2° For short-chipping materials and tiny parts.

7° For steel and tough materials with aggressive chip breaking.

12° Best all-round. For long-chipping and tough materials.

18° For sticky, long-chipping materials and risk of built-up edge.



3 MAKE IT STABLE

- **Clamp** the tool holder with the cutting edge as close to the plate as possible.
- **Choose** the smallest possible MAX Ø for your insert.
- **Use the** tool holder as probing/bar stop instead of the insert.

4 NOMENCLATURE

U3NR Z2,0M-12R F10

U3 = Insert size

N = Neutral, **NR** = Neutral insert right hand geometry

P = 0° Front angle **Z** = 15° Front angle

2,0 = Cutting width

Max part off B=4, C=6,4, E=8, G=10, J=13, K=16, **M**=20

Cutting rake = 0, 7, **-12**, 18

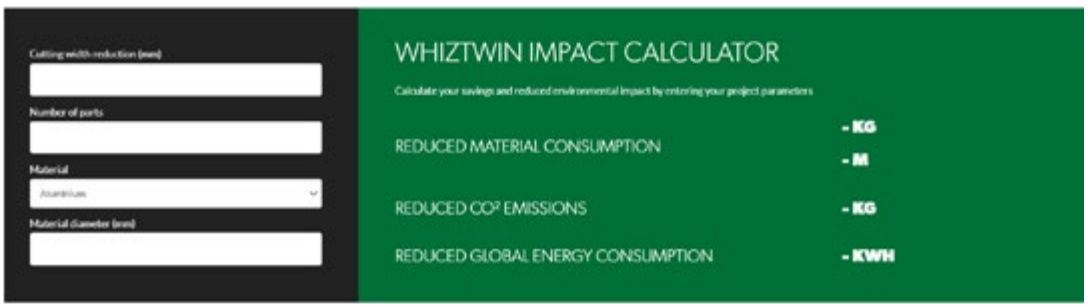
R = Radius

F10 = Grade

ONLINE

CALCULATE MY IMPACT

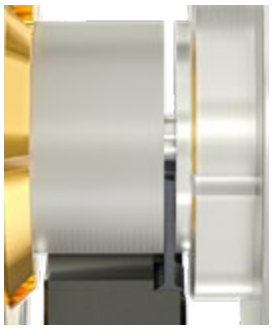
Discover how much you can save in cost and environmental impact. Enter your project parameters on our website, whizcut.com and instantly calculate material savings, reduced waste, and improved efficiency.



TABLES INSERTS

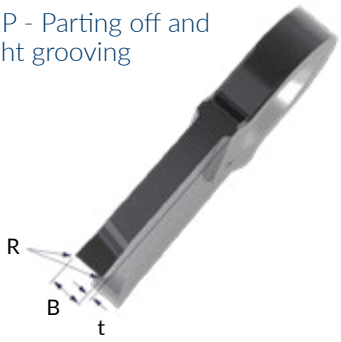


Parting off right



Parting off left, against the sub-spindle

Style P - Parting off and straight grooving



The same insert can be used in both left and right hand holders.

PARTING OFF INSERTS | P

Inserts	B	V	Rake angle	R	Max Ø	t	7M/10M	B7/B10	F7/F10	ND7/ND10	T7/T10
U2N P0,3B-12	0,3	0°	12°	0	4	0,95	●	●	-	-	-
U2N P0,5C-2	0,5	0°	2°	0	6,4	0,85	●	●	●	-	-
U2N P0,5C-12	0,5	0°	12°	0	6,4	0,85	●	●	●	-	-
U2N P0,5C-18	0,5	0°	18°	0	6,4	0,85	●	●	●	-	○
U2N P0,5E-12	0,5	0°	12°	0	8	0,85	●	●	●	-	-
U2N P0,6C-12	0,6	0°	12°	0	6,4	0,8	○	○	○	○	-
U2N P0,7C-12	0,7	0°	12°	0	6,4	0,75	●	○	●	○	-
U2N P0,7E-12	0,7	0°	12°	0	8	0,75	●	○	●	○	○
U2N P1,0G-7R	1	0°	7°	0,05	10	0,6	●	○	○	●	-
U2N P1,0G-12R	1	0°	12°	0,05	10	0,6	●	●	●	●	○
U2N P1,0J-2	1	0°	2°	0	13	0,6	●	●	●	○	-
U2N P1,0J-7R	1	0°	7°	0,05	13	0,6	●	○	○	●	-
U2N P1,0J-12	1	0°	12°	0	13	0,6	●	●	●	●	-
U2N P1,0J-12R	1	0°	12°	0,05	13	0,6	●	●	●	●	○
U2N P1,0J-18	1	0°	18°	0	13	0,6	●	●	●	-	○
U2N P1,5J-7R	1,5	0°	7°	0,05	13	0,35	●	○	○	●	-
U2N P1,5J-12	1,5	0°	12°	0	13	0,35	●	●	●	-	-
U2N P1,5J-12R	1,5	0°	12°	0,05	13	0,35	●	●	●	●	○
U2N P1,5J-18	1,5	0°	18°	0	13	0,35	●	●	●	-	○
U2N P2,0J-7R	2	0°	7°	0,05	13	0,1	●	○	○	●	-
U2N P2,0J-12	2	0°	12°	0	13	0,1	●	●	●	-	○
U2N P2,0J-12R	2	0°	12°	0,05	13	0,1	●	○	○	●	○
U2N P2,0J-18	2	0°	18°	0	13	0,1	●	●	●	-	○
U3N P0,6M-12	0,6	0°	12°	0	20	1	●	●	○	-	○
U3N P0,8M-12	0,8	0°	12°	0	20	0,9	●	●	○	-	○
U3N P1,0K-2	1	0°	2°	0	16	0,8	●	●	-	-	●
U3N P1,0K-12	1	0°	12°	0	16	0,8	○	●	●	●	-
U3N P1,0K-12R	1	0°	12°	0,05	16	0,8	○	●	●	●	-
U3N P1,0M-12R	1	0°	12°	0,05	20	0,8	○	●	●	-	●
U3N P1,0M-18	1	0°	18°	0	20	0,8	●	○	○	-	○
U3N P1,0M-18R	1	0°	18°	0,05	20	0,8	●	●	●	-	●
U3N P1,2K-12R	1,2	0°	12°	0,05	16	0,7	○	●	●	●	-
U3N P1,5K-7R	1,5	0°	7°	0,05	16	0,55	○	●	●	●	-
U3N P1,5K-12	1,5	0°	12°	0	16	0,55	○	●	●	●	-
U3N P1,5K-12R	1,5	0°	12°	0,05	16	0,55	○	●	●	●	-
U3N P1,5M-2	1,5	0°	2°	0	20	0,55	●	●	-	-	●
U3N P1,5M-12R	1,5	0°	12°	0,05	20	0,55	●	○	●	●	-
U3N P1,5M-18	1,5	0°	18°	0	20	0,55	●	○	○	-	○
U3N P1,5M-18R	1,5	0°	18°	0,05	20	0,55	○	●	●	-	-
U3N P2,0M-2	2	0°	2°	0	20	0,3	●	●	-	-	●
U3N P2,0M-7R	2	0°	7°	0,08	20	0,3	●	-	●	●	-
U3N P2,0M-12R	2	0°	12°	0,08	20	0,3	○	●	●	●	○
U3N P2,0M-18R	2	0°	18°	0,08	20	0,3	○	●	●	○	○
U3N P2,5M-7R	2,5	0°	7°	0,08	20	0,05	○	-	-	●	-
U3N P2,5M-12R	2,5	0°	12°	0,08	20	0,05	○	○	○	○	-

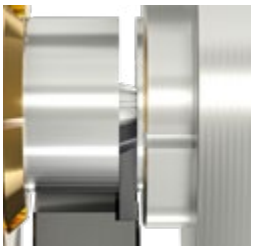
NEWS

● Stock standard, ○ Delivery on request, - Not available.

TABLES INSERTS

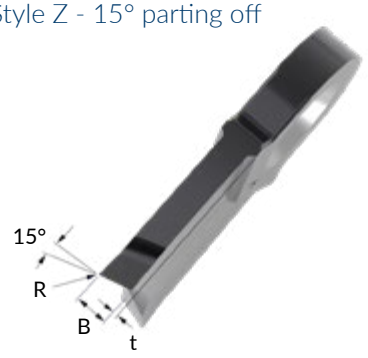


Parting off right



Parting off left, against the sub-spindle

Style Z - 15° parting off



The same insert can be used in both left and right hand holders

PARTING OFF INSERTS | Z

Inserts	B	V	Rake angle	R	Max Ø	t	7M/10M	B7/B10	F7/F10	ND7/ND10	T7/T10
U2NR Z0,3B-12	0,3	15°	12°	0	4	0,95	●	●	○	-	-
U2NR Z0,3B-2	0,3	15°	2°	0	4	0,95	●	●	○	-	-
U2NR Z0,5C-12	0,5	15°	12°	0	6,4	0,85	●	●	●	-	-
U2NR Z0,5C-2	0,5	15°	2°	0	6,4	0,85	●	●	●	-	-
U2NR Z0,5E-12	0,5	15°	12°	0	8	0,85	●	●	●	-	-
U2NR Z0,5E-18	0,5	15°	18°	0	8	0,85	●	●	●	-	○
U2NR Z1,0J-12	1	15°	12°	0	12,7	0,6	●	●	●	●	-
U2NR Z1,0J-12R	1	15°	12°	0,05	12,7	0,6	●	●	●	●	○
U2NR Z1,0J-18	1	15°	18°	0	12,7	0,6	●	●	●	-	○
U2NR Z1,0J-18R	1	15°	18°	0,05	12,7	0,6	●	○	○	●	○
U2NR Z1,0J-2	1	15°	2°	0	12,7	0,6	●	●	●	-	-
U2NR Z1,0J-7	1	15°	7°	0	12,7	0,6	-	-	-	●	-
U2NR Z1,5J-12	1,5	15°	12°	0	12,7	0,35	●	●	●	●	○
U2NR Z1,5J-12R	1,5	15°	12°	0,05	12,7	0,35	●	●	●	●	○
U2NR Z1,5J-7	1,5	15°	7°	0	12,7	0,35	-	-	-	●	-
U2NR Z2,0J-12	2	15°	12°	0	12,7	0,1	●	●	●	●	○
U2NR Z2,0J-7	2	15°	7°	0	12,7	0,1	●	○	○	●	-
U3NR Z1,0K-12	1	15°	12°	0	16	0,8	○	●	●	-	-
U3NR Z1,0M-12R	1	15°	12°	0,05	20	0,8	○	○	○	-	-
U3NR Z1,0M-18	1	15°	18°	0	20	0,8	○	○	○	-	○
U3NR Z1,2K-12	1,2	15°	12°	0	16	0,7	●	●	○	-	-
U3NR Z1,5K-7R	1,5	15°	7°	0,05	16	0,6	○	●	-	●	-
U3NR Z1,5M-12R	1,5	15°	12°	0,05	20	0,55	○	-	●	●	-
U3NR Z1,5M-18R	1,5	15°	18°	0,05	20	0,55	○	○	○	-	○
U3NR Z2,0M-7R	2	15°	7°	0,08	20	0,3	○	-	-	○	-
U3NR Z2,0M-12	2	15°	12°	0	20	0,3	○	-	●	●	-
U3NR Z2,0M-12R	2	15°	12°	0,08	20	0,3	○	○	○	○	○
U3NR Z2,0M-18R	2	15°	18°	0,08	20	0,3	○	○	○	-	-
U3NR Z2,5M-7R	2,5	15°	7°	0,08	20	0,05	●	-	●	○	-

NEWS

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

TOOL HOLDERS FOR PARTING OFF

WHIZTWIN TOOL HOLDERS FOR SWISS TYPE LATHES

The WhizTwin tool holder is specifically designed for Swiss type lathes where space and stability are critical. Both cutting edges of the inserts face forward in the holder, allowing for a shorter overhang from the tool plate.



THE OVERHANG DISTANCE IS:

- **15 MM FOR WHIZTWIN 13**
  Suitable for 8×8 mm to 10×10 mm.
- **20 MM FOR WHIZTWIN 20**
  Suitable for 12×12 mm to 16×16 mm.
- **LARGER HOLDERS.**
  Can be clamped directly into the tool plate.

- **DOUBLE TORX SCREW FOR EASY INDEXING**
  All WhizTwin holders are equipped with a double torx screw, allowing for easy indexing of the insert from both sides of the tool holder.
- **DOUBLE NOZZLE COOLANT SYSTEM**
  The WhizTwin tool holders use a dual-nozzle coolant system that targets both the chip–edge area and the underside of the cutting edge, improving cooling and helping flush coolant away.
- **AVOID USING THE INSERT AS A STOP**
  WhizTwin's narrow cutting width saves material, so don't use the insert to set part length. Use the tool holder: set to Z=0—for a steadier, more accurate stop.
- **CUSTOM SOLUTIONS**
  WhizCut provides custom WhizTwin tool holders for machines that can't use standard square holders. Contact WhizCut to design and produce a holder tailored to your needs.

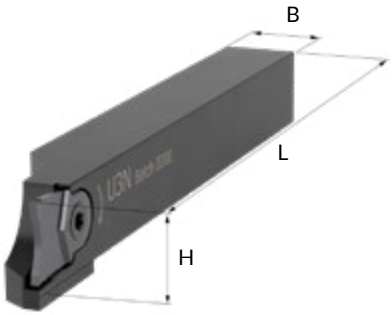


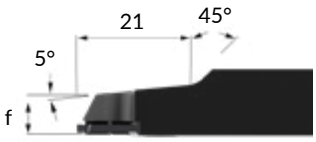
NEW MODULAR TOOL HOLDER WHIZFIX 2.0

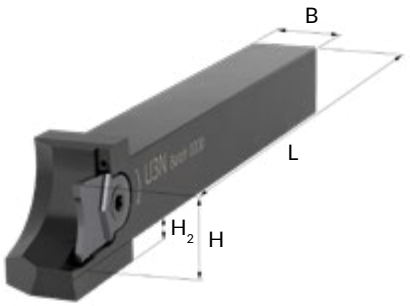
- User friendly with one hand change
- Same precision as a solid holder
- Minimalistic design

MORE ON PAGE 64

TABLES TOOL HOLDERS







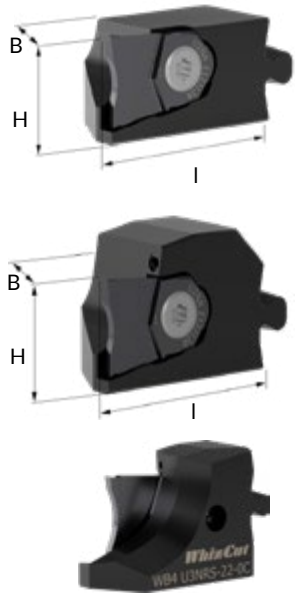
TOOL HOLDERS | B, Q, C

	Tool holder	H	B	L	f	H2	Insert	Coolant	Plug	Screw	Key	Stock
LEFT	PSU2NL 88H-0C*	8	8	100	8	3,5	U2N	●	M5X0,8	M4X5-RU	T9IP	●
	PSU2NL 88K-0Q	8	8	125	5	3,5	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NL 1010H-0C	10	10	100	10	4	U2N	●	M8X1	M4X5-RU	T9IP	●
	PSU2NL 1010K-0Q	10	10	125	5	1,5	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NL 1212H-0C	12	12	100	12	2	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NL 1212K-0Q	12	12	125	6	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NL 0500H-0C	1/2"	1/2"	100	1/2"	1,3	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NL 0500K-0Q	1/2"	1/2"	125	1/4"	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NL 1616K-0C	16	16	125	16	-	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NL 1616K-0Q	16	16	125	8	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU3NL 1212H-0C	12	12	100	12	8	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NL 1212K-0	12	12	125	12	6	U3N	-	-	M5X8-RU	T15	●
	PSU3NL 0500H-0C	1/2"	1/2"	100	1/2"	7,3	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NL 0500K-0	1/2"	1/2"	125	1/2"	5,3	U3N	-	-	M5X8-RU	T15	●
	PSU3NL 1616K-0C	16	16	125	16	4	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NL 1616K-0	16	16	125	16	2	U3N	-	-	M5X8-RU	T15	●
	PSU3NL 0750M-0C	3/4"	3/4"	150	3/4"	0,95	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NL 2020M-0C	20	20	150	20	-	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NL 2020K-0	20	20	125	20	-	U3N	-	-	M5X8-RU	T15	●
	PSU3NL 2020M-0	20	20	150	20	-	U3N	-	-	M5X8-RU	T15	●
RIGHT	PSU2NR 88H-0C*	8	8	100	8	3,5	U2N	●	M5X0,8	M4X5-RU	T9IP	●
	PSU2NR 88K-0B	8	8	125	5	3,5	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NR 1010H-0C	10	10	100	10	4	U2N	●	M8X1	M4X5-RU	T9IP	●
	PSU2NR 1010K-0B	10	10	125	5	1,5	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NR 1212H-0C	12	12	100	12	2	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NR 1212K-0B	12	12	125	5	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NR 0500H-0C	1/2"	1/2"	100	1/2"	1,3	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NR 0500K-0B	1/2"	1/2"	125	5	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NR 1616K-0B	16	16	125	5	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU2NR 1616K-0C	16	16	125	16	-	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
	PSU2NR 2020K-0B	20	20	125	10	-	U2N	-	-	M4X5-RU	T9IP	●
	PSU3NR 1212H-0C	12	12	100	12	8	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 1212K-0B	12	12	125	7,5	6	U3N	-	-	M5X8-RU	T15	●
	PSU3NR 0500H-0C	1/2"	1/2"	100	1/2"	7,3	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 0500K-0B	1/2"	1/2"	125	7,5	5,3	U3N	-	-	M5X8-RU	T15	●
	PSU3NR 1616K-0C	16	16	125	16	4	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 1616K-0B	16	16	125	7,5	2	U3N	-	-	M5X8-RU	T15	●
	PSU3NR 0750K-0C	3/4"	3/4"	125	3/4"	0,95	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 0750M-0C	3/4"	3/4"	150	3/4"	0,95	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 2020K-0C	20	20	125	20	-	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 2020M-0C	20	20	150	20	-	U3N	●	1/8" NPT	M5X8-RU	T15	●
	PSU3NR 2020K-0B	20	20	125	7,5	-	U3N	-	-	M5X8-RU	T15	●
	PSU3NR 2020M-0B	20	20	150	7,5	-	U3N	-	-	M5X8-RU	T15	●

● Stock standard, ○ Delivery on request, - Not available.

* Only one coolant exit from the top.

TABLES TOOL HOLDERS



Shifted heads U2NRS/U3NRS

QUICK CHANGE HEADS - WHIZFIX 2.0 | WB-U

WhizFix 2.0 head	Interface	Right/Shifted	H	B	l	Insert	Coolant	Screw	Stock
WB3 U2NR-22-0	WB3	RIGHT	10	10	22	U2N	-	M4X5-RU	●
WB3 U2NR-22-0C	WB3	RIGHT	10	10	22	U2N	●	M4X5-RU	●
WB3 U2NRS-22-0C	WB3	SHIFTED*	10	10	22	U2N	●	M4X5-RU	●
WB4 U2NR-22-0	WB4	RIGHT	12**	12	22	U2N	-	M4X5-RU	●
WB4 U2NR-22-0C	WB4	RIGHT	12**	12	22	U2N	●	M4X5-RU	●
WB4 U2NRS-22-0C	WB4	SHIFTED*	12**	12	22	U2N	●	M4X5-RU	●
WB4 U3NR-22-0	WB4	RIGHT	12**	12	22	U3N	-	M5X8-RU	●
WB4 U3NR-22-0C	WB4	RIGHT	12**	12	22	U3N	●	M5X8-RU	●
WB4 U3NRS-22-0C	WB4	SHIFTED*	12**	12	22	U3N	●	M5X8-RU	○
WB5 U2NR-22-0	WB5	RIGHT	16	16	22	U2N	-	M4X5-RU	○
WB5 U2NR-22-0C	WB5	RIGHT	16	16	22	U2N	●	M4X5-RU	○
WB5 U3NR-22-0	WB5	RIGHT	16	16	22	U3N	-	M5X8-RU	●
WB5 U3NR-22-0C	WB5	RIGHT	16	16	22	U3N	●	M5X8-RU	●
WB5 U3NRS-22-0C	WB5	SHIFTED*	16	16	22	U3N	●	M5X8-RU	○

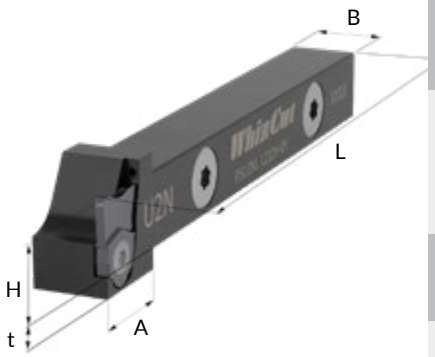
● Stock standard, ○ Delivery on request, - Not available.

* Shifted heads are to be used when parting off against the sub spindle

** 12 mm wide at nozzle

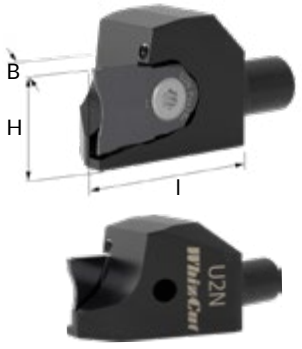
MORE WHIZFIX 2.0 P. 64

Y-AXIS TOOL HOLDER - COOLANT THROUGH | Y



	Tool holder	H	B	L	t	A	Insert	Coolant	Plug	Screw	Key	Stock
LEFT	PSU2NL 88H-0Y	8	8	100	7	15	U2N	●	M5X0,8	M4X5-RU	T9IP	●
LEFT	PSU2NL 1010H-0Y	10	10	100	5	15	U2N	●	M8X1	M4X5-RU	T9IP	●
LEFT	PSU2NL 1212H-0Y	12	12	100	3	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
LEFT	PSU2NL 0500H-0Y	1/2"	1/2"	100	2,3	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
LEFT	PSU2NL 1616K-0Y	16	16	125	0	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
RIGHT	PSU2NR 88H-0Y	8	8	100	7	15	U2N	●	M5X0,8	M4X5-RU	T9IP	●
RIGHT	PSU2NR 1010H-0Y	10	10	100	5	15	U2N	●	M8X1	M4X5-RU	T9IP	●
RIGHT	PSU2NR 1212H-0Y	12	12	100	3	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
RIGHT	PSU2NR 0500H-0Y	1/2"	1/2"	100	2,3	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
RIGHT	PSU2NR 1616K-0Y	16	16	125	0	15	U2N	●	1/8" NPT	M4X5-RU	T9IP	●
LEFT	PSU3NL 1212H-0Y	12	12	100	6	20	U3N	●	1/8" NPT	M5X8-RU	T15	○
LEFT	PSU3NL 0500H-0Y	1/2"	1/2"	100	5,3	20	U3N	●	1/8" NPT	M5X8-RU	T15	○
LEFT	PSU3NL 1616K-0Y	16	16	125	2	20	U3N	●	1/8" NPT	M5X8-RU	T15	○
RIGHT	PSU3NR 1212H-0Y	12	12	100	6	20	U3N	●	1/8" NPT	M5X8-RU	T15	○
RIGHT	PSU3NR 0500H-0Y	1/2"	1/2"	100	5,3	20	U3N	●	1/8" NPT	M5X8-RU	T15	○
RIGHT	PSU3NR 1616K-0Y	16	16	125	2	20	U3N	●	1/8" NPT	M5X8-RU	T15	○

● Stock standard, ○ Delivery on request, - Not available.



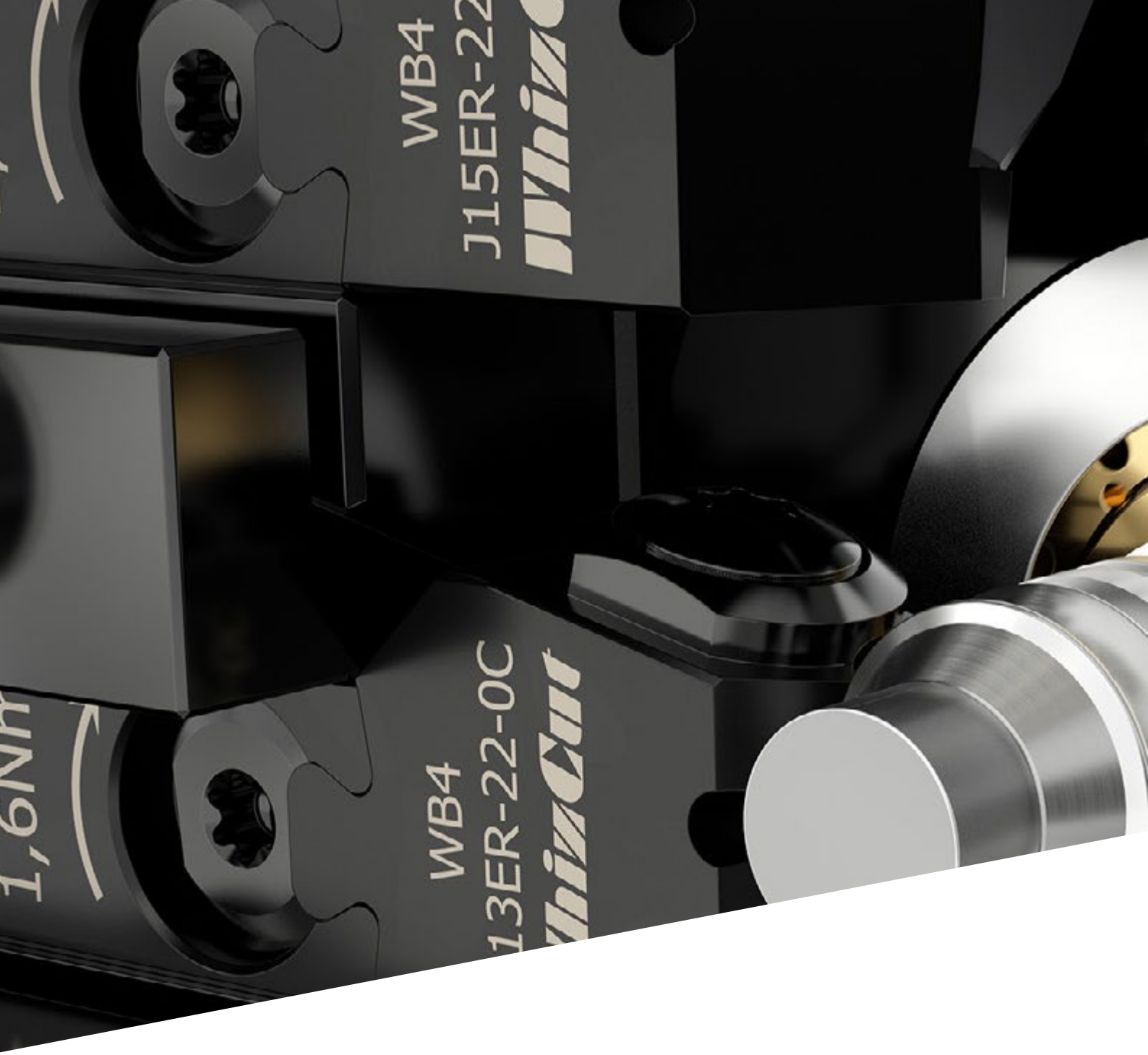
Left head U2NL for parting off against the subspindle

QUICK CHANGE HEADS - WHIZADAPT PZ | WAU

WhizAdapt PZ head	H	B	l	L	Insert	Screw	Key	Stock
WAU2NR PZ1022-0	10	13,5	22	106	U2N	M4X5-RU	T9IP	●
WAU2NR PZ1222-0	12	16	22	106	U2N	M4X5-RU	T9IP	●
WAU2NL PZ1222-0	12	16	22	106	U2N	M4X5-RU	T9IP	●
WAU2NR PZ1622-0	16	20	22	106	U2N	M4X5-RU	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

MORE WHIZADAPT P. 74



WHIZFIX 2.0

WhizFix 2.0 takes the original pin holder system to the next level. WhizCut has fine-tuned the design to make it more user-friendly, reliable, and flexible. It's a smart, modular tool holder system built to make your work smoother and more efficient.

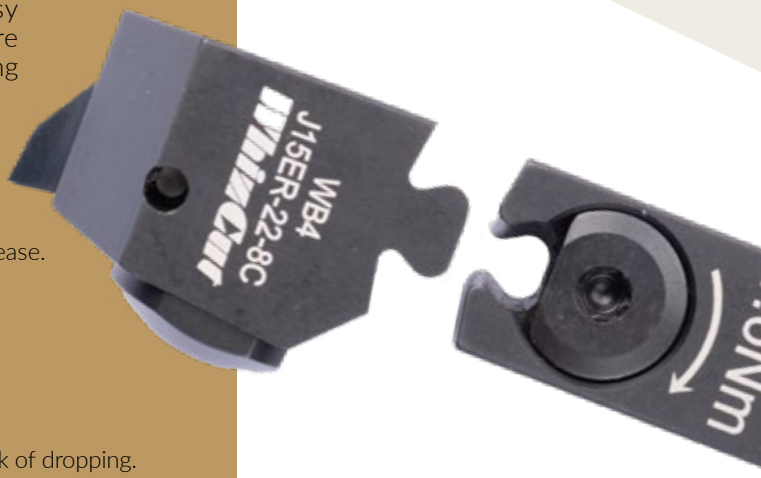
QUICK-CHANGE TOOL HOLDER SYSTEM

Tool holder system with modular and quick-change functionality for Swiss tooling.

TOOL HOLDERS

CHANGE TOOLS FASTER

WhizFix 2.0 combines the precision and stability of a solid holder with user-friendly features. Its compact design, easy one-handed operation, and robust dovetail interface ensure reliable performance and extended tool life in Swiss turning operations.



- **USER FRIENDLY**
  "Click-in/click-out" system with just 1.5 turns to clamp or release.
- **EXACT POSITION**
  Dovetail design ensures micron-precise centerline alignment.
- **ONE-HAND-CHANGE**
  Heads stay hinged in the shank—change with one hand, no risk of dropping.

TECHNICAL

USER FRIENDLY TOOL CHANGE

WITH ALL THE BENEFITS OF A SOLID HOLDER

WhizFix 2.0 boasts a slim, minimalistic design that is no larger than a solid holder. This compact size makes it easier to secure firmly, resulting in finer details and extended tool life. Our modular tool system also offers the same level of precision as a solid holder. The insert head consistently returns to the exact same position, ensuring reliable and repeatable accuracy with every use. WhizFix 2.0 is engineered for smooth accessibility. With just 1,5 revolutions, you can swiftly clamp and unclamp the insert head. The innovative hinged design ensures the head remains securely attached to the shank, eliminating any risk of it falling out when loosened. Plus, the required torque of just 2,0 Nm makes tightening incredibly easy and efficient.



POWERFUL CLAMPING

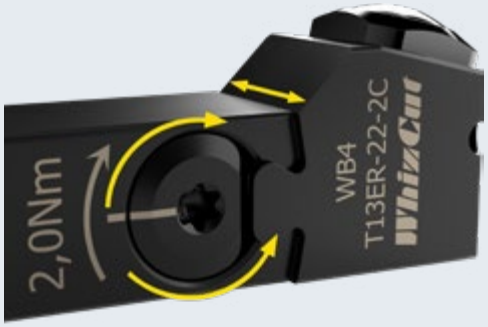
The dovetail creates four contact surfaces for maximum rigidity, giving the same stability as a solid holder.

TOOL CHANGE

Accessible
Secure
Precise

USER FRIENDLY

Quick clamp/release with WhizFix 2.0: only 1.5 turns for “click in/click out.” Easy chip removal via dovetail access. laser marking shows open position and lock direction.



ONE-HAND-CHANGE

The head stays hinged to the shank when released, so nothing falls out. You can loosen all heads before removing the tool from the machine.

EXACT POSITION

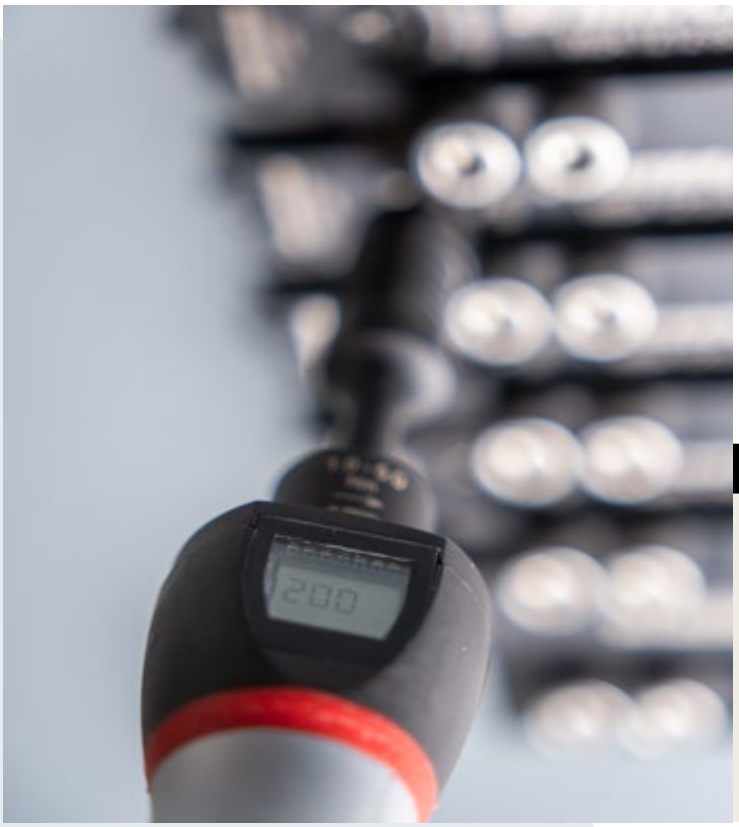
The critical centerline is important. The dovetail aligns with the tool’s center, keeping the insert’s centerline within a few microns.

STRONG

Whizfix 2.0 matches the size of a solid holder, keeping the insert tip close for better detail and longer tool life.

SET TORQUE

Stability
Exactness
Durability



TORQUE WRENCH

GET OPTIMAL PRESSURE

Using a torque wrench ensures optimal pressure for rigidity, accuracy, and tool life. Each holder is marked with the set torque: usually 2 Nm.

3D HANDLE

No extra tool holder
Easy gripping
Indexing station



INDEXING HANDLE

EASY INDEXING

Changing inserts is simple, no extra holder needed. WhizCut provides a 3D-printed indexing handle for easy grip and an indexing station for 8 heads plus accessories (see page 69).

TABLES MODULAR HEADS

WHIZFIX 2.0

H13ER
WHIZGROOVE



J15ER, J20ER
WHIZCUT ORIGINAL J-TYPE



K15ER, K20ER
WHIZCUT ORIGINAL K-TYPE



T13ER
WHIZTHREAD



U2NR
WHIZTWIN



U3NR
WHIZTWIN





WB3 HEADS FIT WB3 SHANKS
WB4 HEADS FIT WB4 SHANKS
WB5 HEADS FIT WB5 SHANKS

REGULAR HEAD



WHIZHIP HEAD

Coolant through



MODULAR HEADS | WB

Regular head	WhizHip head	Right/shifted	Interface	H	B	l	Insert	Screw	Key	Stock
WB3 H13ER-22-0	WB3 H13ER-22-0C	RIGHT	WB3	10	10	22	H13	M3X7	T9IP	●/●
WB3 J15ER-22-8	WB3 J15ER-22-8C	RIGHT	WB3	10	10	22	J15ER	M3X7	T9IP	●/●
WB3 K15ER-22-2	WB3 K15ER-22-2C	RIGHT	WB3	10	10	22	K15ER	M3X7	T9IP	●/●
WB3 T13ER-22-2	WB3 T13ER-22-2C	RIGHT	WB3	10	10	22	T13	M3X7	T9IP	●/●
WB3 T13ER-22-4	WB3 T13ER-22-4C	RIGHT	WB3	10	10	22	T13	M3X7	T9IP	●/●
WB3 U2NR-22-0	WB3 U2NR-22-0C	RIGHT	WB3	10	10	22	U2N	M4X5-RU	T9IP	●/●
	WB3 U2NRS-22-0C	SHIFTED**	WB3	10	10	22	U2N	M4X5-RU	T9IP	●
WB4 H13ER-22-0*	WB4 H13ER-22-0C*	RIGHT	WB4	12	12	22	H13	M3X7	T9IP	●/●
WB4 J15ER-22-8*	WB4 J15ER-22-8C*	RIGHT	WB4	12	12	22	J15ER	M3X7	T9IP	●/●
WB4 K15ER-22-2*	WB4 K15ER-22-2C*	RIGHT	WB4	12	12	22	K15ER	M3X7	T9IP	●/●
WB4 T13ER-22-2*	WB4 T13ER-22-2C*	RIGHT	WB4	12	12	22	T13	M3X7	T9IP	●/●
WB4 T13ER-22-4*	WB4 T13ER-22-4C*	RIGHT	WB4	12	12	22	T13	M3X7	T9IP	●/●
WB4 U2NR-22-0*	WB4 U2NR-22-0C*	RIGHT	WB4	12	12	22	U2N	M4X5-RU	T9IP	●/●
	WB4 U2NRS-22-0C*	SHIFTED**	WB4	12	12	22	U2N	M4X5-RU	T9IP	●
	WB4 U2NR-22-0CA*	RIGHT	WB4	12	5	22	U2N	M4X5-RU	T9IP	○
WB4 U3NR-22-0*	WB4 U3NR-22-0C*	RIGHT	WB4	12	12	22	U3N	M5X8-RU	T15	●/●
	WB4 U3NRS-22-0C*	SHIFTED**	WB4	12	12	22	U3N	M5X8-RU	T15	○
WB5 H13ER-22-0	WB5 H13ER-22-0C	RIGHT	WB5	16	16	22	H13	M3X7	T9IP	●/●
WB5 J15ER-22-8	WB5 J15ER-22-8C	RIGHT	WB5	16	16	22	J15ER	M3X7	T9IP	●/●
WB5 J20ER-32-8	WB5 J20ER-32-8C	RIGHT	WB5	16	16	32	J20ER	M4X10	T15	●/●
WB5 K15ER-22-2	WB5 K15ER-22-2C	RIGHT	WB5	16	16	22	K15ER	M3X7	T9IP	●/●
WB5 K20ER-32-2	WB5 K20ER-32-2C	RIGHT	WB5	16	16	32	K20ER	M4X10	T15	●/●
WB5 T13ER-22-2	WB5 T13ER-22-2C	RIGHT	WB5	16	16	22	T13	M3X7	T9IP	●/●
WB5 T13ER-22-4	WB5 T13ER-22-4C	RIGHT	WB5	16	16	22	T13	M3X7	T9IP	●/●
WB5 U2NR-22-0	WB5 U2NR-22-0C	RIGHT	WB5	16	16	22	U2N	M4X5-RU	T9IP	○/○
	WB5 U2NRS-22-0C	SHIFTED**	WB5	16	16	22	U2N	M4X5-RU	T9IP	●
WB5 U3NR-22-0	WB5 U3NR-22-0C	RIGHT	WB5	16	16	22	U3N	M5X8-RU	T15	●/○
	WB5 U3NRS-22-0C	SHIFTED**	WB5	16	16	22	U3N	M5X8-RU	T15	○

● Stock standard, ○ Delivery on request, - Not available.

* Becomes 1/2" together with WB4 0500-80 and WB4 0500-80C

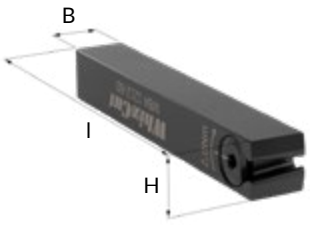
** Use shifted heads when parting off against the sub-spindle

TABLES MODULAR SHANKS

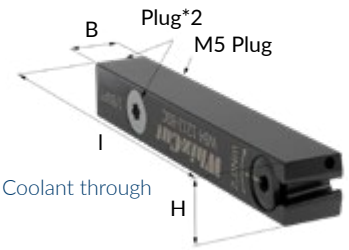
WHIZFIX 2.0



REGULAR SHANK



WHIZHIP SHANK



MODULAR SHANKS | WB

Regular shank	WhizHip shank	Interface	H	B	I	Screw	Key	Torque	Plug	Stock
WB3 1010-80	WB3 1010-80C	WB3	10	10	80	M3,5X8-WB	T15	1.4 NM	-/M8X1	●
WB4 1212-80	WB4 1212-80C	WB4	12	12	80	M4X10-WB	T15	2 NM	-/ 1/8" NPT	●
WB4 0500-80	WB4 0500-80C	WB4	1/2"	1/2"	80	M4X10-WB	T15	2 NM	-/ 1/8" NPT	●
	WB5 0625-60C	WB5	5/8"	16	60	M4X10-WB	T15	2 NM	1/8" NPT	○
	WB5 0625-100C	WB5	5/8"	16	100	M4X10-WB	T15	2 NM	1/8" NPT	○
	WB5 1616-60C	WB5	16	16	60	M4X10-WB	T15	2 NM	1/8" NPT	●
WB5 1616-100	WB5 1616-100C	WB5	16	16	100	M4X10-WB	T15	2 NM	-/ 1/8" NPT	●

● Stock standard, ○ Delivery on request, - Not available.



Indexing handle



Setup station

TORQUE WRENCHES | WB

AVAILABLE ONLINE

For updated torque wrenches and blades visit: whizcut.com

ACCESSORIES | WB

Part name	Description
M3,5X8-WB	CLAMPING SCREW WB3
M4X10-WB	CLAMPING SCREW WB4 & WB5
WB INDEXING HANDLE	INDEXING HANDLE
WB SETUP STATION	SETUP STATION+HANDLE



WHIZADJUST

Discover the flexibility of WhizAdjust, the innovative tool holder system designed for turning against the sub spindle. Enjoy quick, stable height adjustments with ease, and perform better.



ADJUSTABLE HOLDERS

Precise and adjustable tool holder system
for turning against the sub-spindle.

HOLDERS

ADJUST & MACHINE WITH ACCURACY

Discover the future of back-working with WhizAdjust tool holder system. The innovative and adjustable tool holders are specifically designed for optimal performance when turning against the sub spindle. WhizAdjust will make your work faster, easier, and more precise.

- **QUICK RELEASE & EASY ADJUSTMENT**
  Change center height with just one adjustment screw and clamping screw.
- **STRONG TOOL HOLDER**
  Slanted and serrated surfaces for better stability.
- **VERSATILE USE**
  One shank fits multiple heads like WhizCut, WhizThread, and WhizGroove.



TECHNICAL

HOW TO ADJUST AND FINE-TUNE

ADJUSTMENT SCREW AND STABLE CLAMPING MECHANISM

The WhizAdjust system ensures rock-solid stability with its serrated surfaces on the X-axis and a combination of an adjustment screw and spring on the Y-axis. This design guarantees that your adjustments hold firm. Precision is a key feature, with adjustments possible to within +/- 0,02 mm per line. Fine-tuning and repeatability are exceptionally accurate, down to 0,005 mm, ensuring consistent and precise performance.

WHIZADJUST

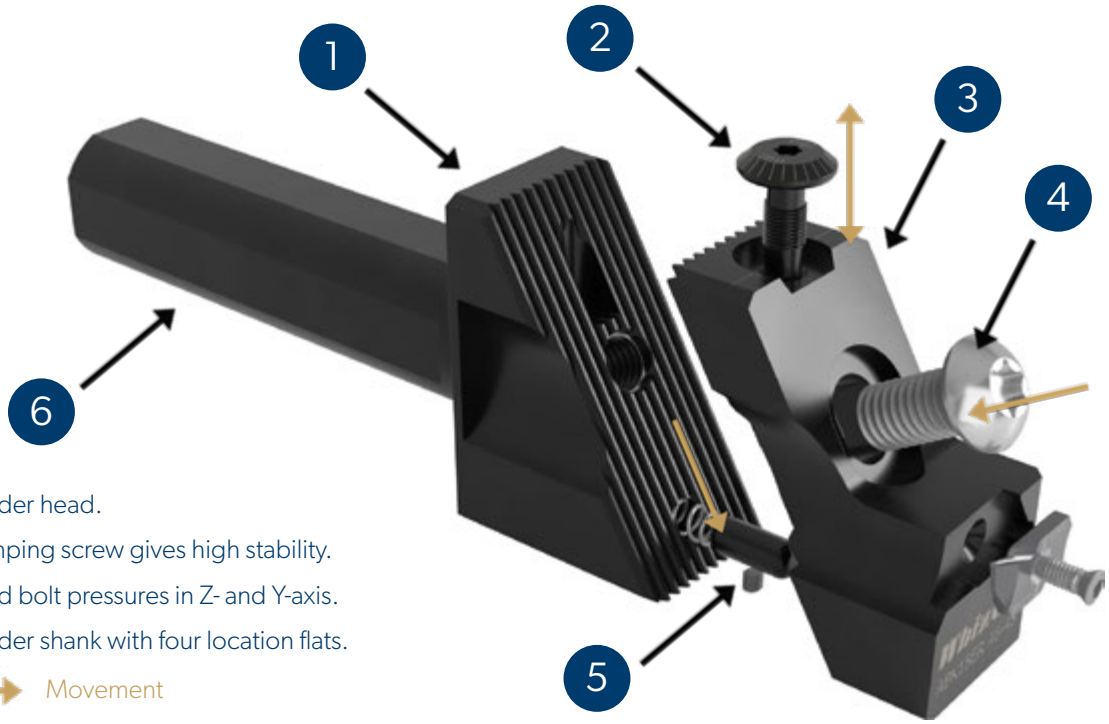
Sub-spindle use
Precise alignment
Flexible setup

WHIZGUIDE

FUNCTIONS OF WHIZADJUST

1

1. Matching notched surfaces maximises clamping area and controls side movement.
2. Adjustment screw M5x0.5×15-ADJ. Fine adjustment of each slot = 0,02 mm.



3. Tool holder head.
4. M8 clamping screw gives high stability.
5. Springed bolt pressures in Z- and Y-axis.
6. Tool holder shank with four location flats.

→ Movement

FITS MOST SUB SPINDLES

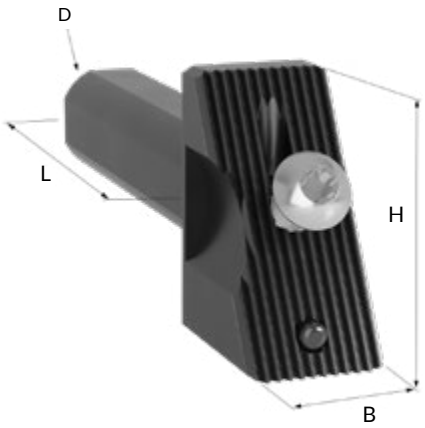
WhizAdjust is designed to fit the sub spindle of most machines, or other round positions.

The model AB4624-S38D16 has a 16 mm base, and it comes with a standard 22 mm sleeve. If you need a different size, other sleeves are available.

HOW TO ADJUST THE TOOL HOLDER

1. Release the M8 clamping screw.
2. Adjust the set screw, every line is 0,02 mm.
3. Tighten the clamping screw.
4. If needed adjust Z as 60% of the total adjustment in Y.

TABLES TOOL HOLDERS



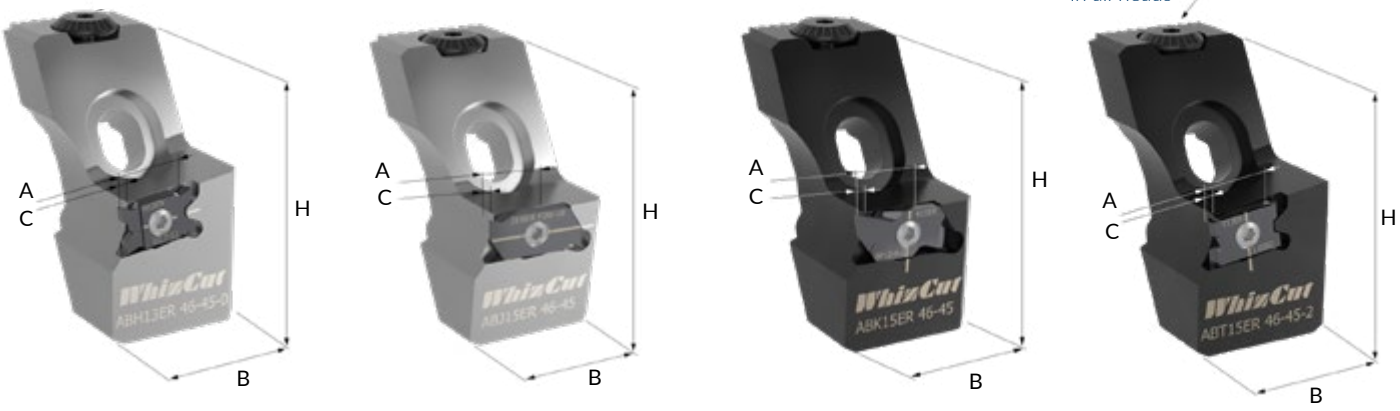
TOOL HOLDER - SHANKS

Tool holder shank	D	L	H	B	Clamping flats	Hole positions	Screw	Bit	Stock
AB4624 D0625J	5/8"	80	46	24	4	-	M8X16	T40	●
AB4624 D0750J	3/4"	80	46	24	4	-	M8X16	T40	●
AB4624 D1000J	1"	80	46	24	4	-	M8X16	T40	●
AB4624 D16J	16	80	46	24	4	-	M8X16	T40	●
AB4624 D20J	20	80	46	24	4	-	M8X16	T40	●
AB4624 D22J	22	80	46	24	4	-	M8X16	T40	●
AB4624 D25J	25	80	46	24	4	-	M8X16	T40	●
AB4624-S38D16	16+22*	15	46	24	0	38/14	M8X16	T40	●

● Stock standard, ○ Delivery on request, - Not available.

* Front clamping holders come with 16 mm shank and 22 mm sleeve.

M5x0.5x15 ADJ included
In all heads

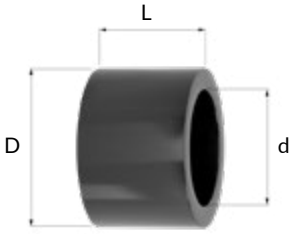


TOOL HOLDER - ADJUSTABLE HEADS

Tool holder head	H	B	A	C max doc	Max feed length	Insert	Clamping screw	Key	Stock
ABH13ER-46-45-0	46	24	11	3	45	H13	M3X7	T9IP	●
ABJ15ER-46-45	46	24	10	2	45	J15ER	M3X7	T9IP	●
ABK15ER-46-45	46	24	10	2	45	K15ER	M3X7	T9IP	●
ABT13ER-46-45-2	46	24	10	2	45	T13	M3X7	T9IP	●
ABT13ER-46-45-4	46	24	10	2	45	T13	M3X7	T9IP	●

● Stock standard, ○ Delivery on request, - Not available.

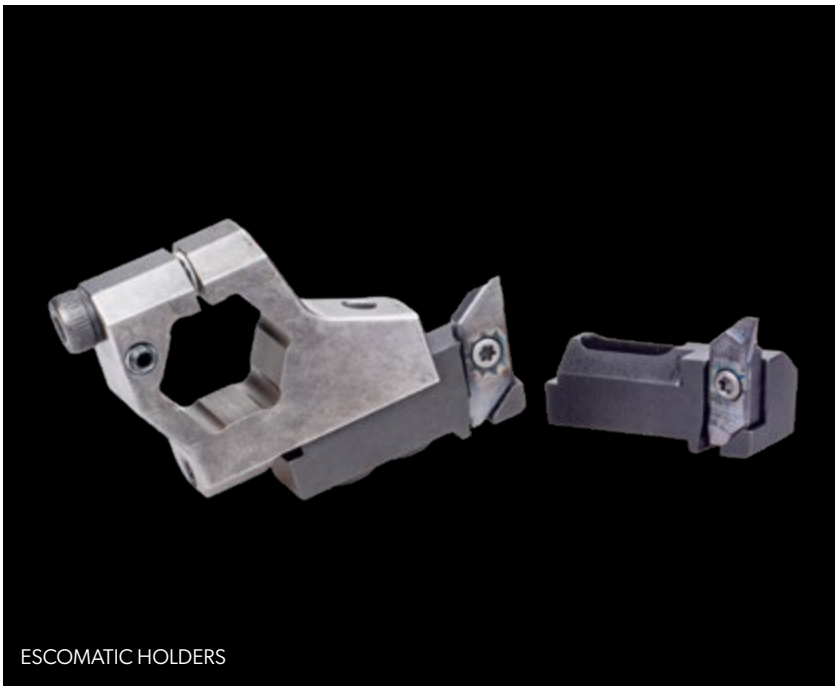
1. A is distance from cutting edge to the centre of the tool holder.
2. Difference between -2 and -4 WhizThread is the α° of the insert pocket.



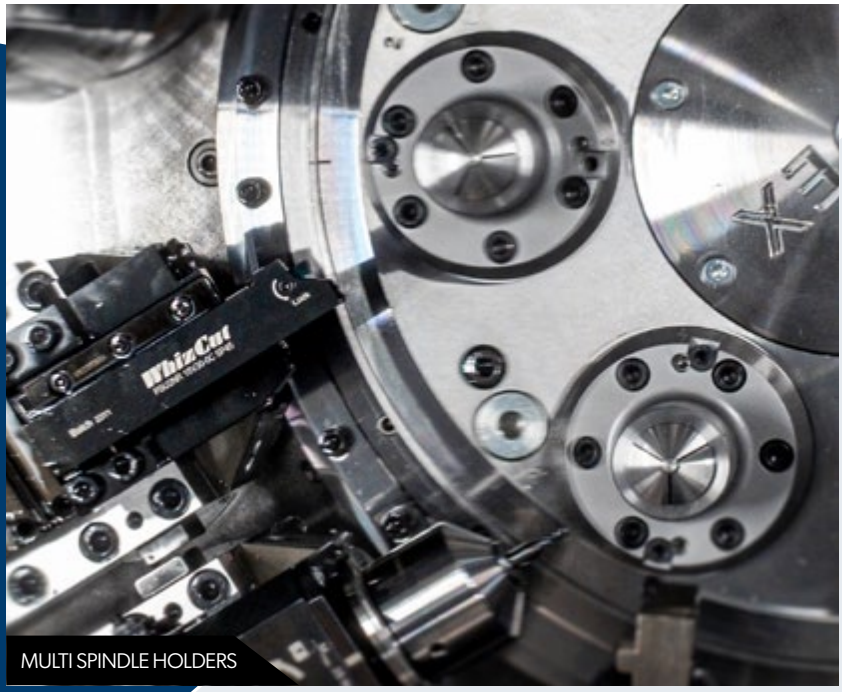
ACCESSORIES | SHANK SLEEVES FOR AB4624-S38D16

Shank sleeves	D	d	L	Stock
AT0750-16-15	3/4"	16	15	●
AT1000-16-15	1"	16	15	●
AT20-16-15	20	16	15	●
AT22-16-15	22	16	15	●
AT25-16-15	25	16	15	●

● Stock standard, ○ Delivery on request, - Not available.



ESCOMATIC HOLDERS



MULTI SPINDLE HOLDERS



PZ-HOLDERS

COLLABORATIONS



WHIZADAPT

Innovative tooling solutions developed with top metal cutting experts. New and exciting technologies for your production

WHIZADAPT PZ©TURN

QUICK CHANGE HOLDERS

Working with innovators across the CNC community, WhizCut develops smart, high-performance tools for everyday machining. One result is WhizAdapt PZ, created together with MAS Tools GmbH and their PZ©turn quick-change holders. It is a stable, repeatable system that delivers precision and efficiency in CNC Swiss lathes.

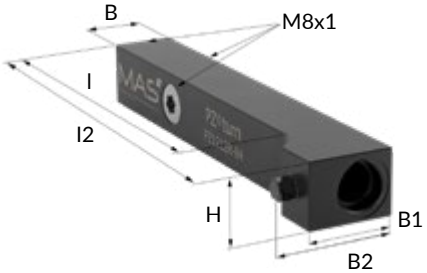
Combine these quick-change holders with WhizCut inserts. All heads feature WhizHip coolant nozzles for optimal coolant delivery to the cutting edge. WhizAdapt PZ heads (PZ10–PZ16) cover most WhizCut pockets, with ISO options available from PZ©turn. Inserts can be indexed in just 30 seconds, keeping downtime to a minimum.

PZ©turn holders

30 sec. indexing
Repeatable
Coolant



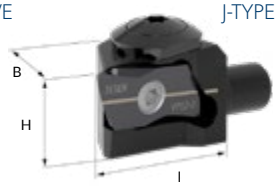




H13ER
WHIZGROOVE



J15ER
J-TYPE



K15ER
K-TYPE



T13ER
WHIZTHREAD



U2NR
WHIZTWIN



U3NR
WHIZTWIN



WHIZADAPT PZ©TURN | HEADS

PZ head	Right/Left	Interface	H	B	I	L*	Insert	Coolant	Screw	Key	Stock
WAH13ER PZ1022-0	RIGHT	PZ10	10	13,5	22	106	H13	●	M3X7	T9IP	●
WAJ15ER PZ1022-8	RIGHT	PZ10	10	13,5	22	106	J15ER	●	M3X7	T9IP	●
WAK15EL PZ1022-2	LEFT	PZ10	10	13,5	22	106	K15EL	●	M3X7	T9IP	○
WAK15ER PZ1022-2	RIGHT	PZ10	10	13,5	22	106	K15ER	●	M3X7	T9IP	●
WAT13ER PZ1022-2	RIGHT	PZ10	10	13,5	22	106	T13	●	M3X7	T9IP	●
WAT13ER PZ1022-4	RIGHT	PZ10	10	13,5	22	106	T13	●	M3X7	T9IP	●
WAU2NR PZ1022-0	RIGHT	PZ10	10	13,5	22	106	U2N	●	M4X5-RU	T9IP	●
WAH13ER PZ1222-0	RIGHT	PZ12	12	16	22	106	H13	●	M3X7	T9IP	●
WAJ15ER PZ1222-8	RIGHT	PZ12	12	16	22	106	J15ER	●	M3X7	T9IP	●
WAK15EL PZ1222-2	LEFT	PZ12	12	16	22	106	K15EL	●	M3X7	T9IP	○
WAK15ER PZ1222-2	RIGHT	PZ12	12	16	22	106	K15ER	●	M3X7	T9IP	●
WAT13ER PZ1222-2	RIGHT	PZ12	12	16	22	106	T13	●	M3X7	T9IP	●
WAT13ER PZ1222-4	RIGHT	PZ12	12	16	22	106	T13	●	M3X7	T9IP	●
WAU2NR PZ1222-0	RIGHT	PZ12	12	16	22	106	U2N	●	M4X5-RU	T9IP	●
WAU2NL PZ1222-0	LEFT	PZ12	12	16	22	106	U2N	●	M4X5-RU	T9IP	●
WAH13ER PZ1622-0	RIGHT	PZ16	16	20	22	106	H13	●	M3X7	T9IP	○
WAJ15ER PZ1622-8	RIGHT	PZ16	16	20	22	106	J15ER	●	M3X7	T9IP	●
WAK15ER PZ1622-2	RIGHT	PZ16	16	20	22	106	K15ER	●	M3X7	T9IP	●
WAT13ER PZ1622-2	RIGHT	PZ16	16	20	22	106	T13	●	M3X7	T9IP	●
WAT13ER PZ1622-4	RIGHT	PZ16	16	20	22	106	T13	●	M3X7	T9IP	●
WAU2NR PZ1622-0	RIGHT	PZ16	16	20	22	106	U2N	●	M4X5-RU	T9IP	●

WHIZADAPT PZ©TURN | SHANKS

PZ shank	Interface	H	B	B1	B2	I	I2	Screw	Key	Coolant	3x port	Stock
PZ1010R-84	PZ10	10	10	13,5	17,6	71	84	M5X0.5X7X60	SW3,5	●	M8X1	●
PZ1212R-84	PZ12	12	12	16	20,2	71	84	M5X0.5X9.5X60	SW3,5	●	M8X1	●
PZ12.7-12.7R-84	PZ12	1/2"	1/2"	16	20,2	71	84	M5X0.5X9.5X60	SW3,5	●	5/16"-24 UNF	●
PZ15.8-15.8R-84	PZ16	5/8"	5/8"	20	25,5	71	84	M6X0.75X10.5X60	SW4,5	●	5/16"-24 UNF	●
PZ1616R-84	PZ16	16	16	20	25,5	71	84	M6X0.75X10.5X60	SW4,5	●	G1/8"	●

● Stock standard, ○ Delivery on request, - Not available.

* L=Length of Head+shank

WHIZADAPT MULTI

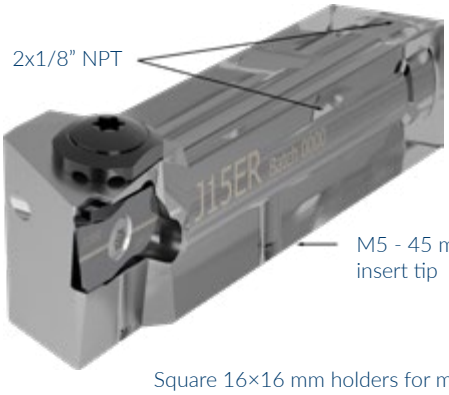
SWISS TOOLING FOR MULTI SPINDLE MACHINES

WhizCut develops holders, cassettes, and specialized tools & tool holders for multi-spindles. The focus of WhizAdapt Multi is on high-volume production to save material, reduce cycle times, and enhance part quality. Our WhizTwin excels in the stable environment of multi-spindle lathes. Customers machining stainless steel have reduced the insert width by 1 mm with WhizAdapt Multi, resulting in increased tool life and improved surface finish.

Read more on whizcut.com

WhizAdapt Multi

Save material
Reduce cycle times
Better part quality



Square 16×16 mm holders for multi-spindle and turret lathes, with simple and flexible coolant connection via side ports or a bottom feed through the base plate.

SQUARE SHANK HOLDERS | STANDARD

Shank holder	H	B	L	Insert
TSH13ER 1616F-0C	16	16	85	H13
WSJ15ER 1616F-8C	16	16	85	J15ER
WSK15ER 1616F-2C	16	16	85	K15ER
WB5 1616-60C	16	16	60	ANY WB5 HEAD

SPECIAL | TOOL HOLDERS FOR MULTI-SPINDLES

Example of a multi-spindle holder developed by WhizCut after specific requests by customer. Let us solve your machining problems with Swiss tooling!



WHIZADAPT ESCO

CUSTOM MADE HOLDERS FOR ESCOMATIC MACHINES

Custom Escomatic holders developed with Esco S.A. WhizCut ultra-hard carbide excels in stainless steel, copper, nickel alloys, and titanium.
Learn more on whizcut.com





Mechanical pencil

WHIZIN

WhizIn provides great stability, precision, and efficiency, making the tools a superior choice for internal turning. Especially in high-precision industries like medical device manufacturing and aerospace.



WhizIn C31NR G0,2

INTERNAL TURNING

Reduced vibrations, improved stability, better surface finishes in your internal turning with WhizIn.

CUTTING TOOLS

MASTER INTERNAL TURNING

Maintain consistent performance in internal turning under demanding conditions. The WhizIn boring bar is clamped at an angle to perfect your internal machining operations and it is ideal for small diameters. Robust design and reduced vibrations deliver smoother finishes and fewer insert breakages: solving key challenges in internal turning.

- **UNIQUE CHIP CONTROL GEOMETRIES**
  Achieve precise control down to the smallest dimensions.
- **INCREASED TOOL LIFE**
  Additional material at critical points significantly enhances tool life.
- **IMPROVED SURFACE FINISH**
  Extra material and optimized stability ensure superior surface finish.

TECHNICAL

OPTIMIZED MASS FOR STABILITY

LESS DEFLECTION AND VIBRATION WITH WHIZIN

WhizIn boring bars are designed with up to 50% more material at critical points compared to conventional designs. This added mass increases strength and stability, reducing deflection and vibration during internal turning. The angled clamping improves cutting force distribution, further enhancing tool rigidity.

Unique chip control geometries allow for precise machining in small diameters. The optimized design also contributes to longer tool life and improved surface finish.



WHIZIN

Rigid boring bars
Small diameters
High stability

WHIZGUIDE

CALCULATE MINIMUM HOLE

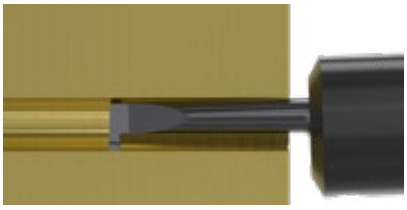
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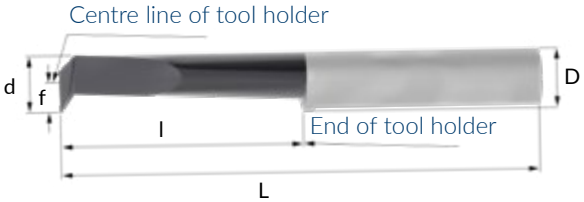
MINIMUM BORE HOLE SIZE

The minimum bore size depends on how deep the tool reaches, thanks to WhizIn's angled mounting. Just one quick calculation ensures perfect accuracy:

d min = tool d + Ld x 0,035

Or scan the QR code below to access our online calculator.



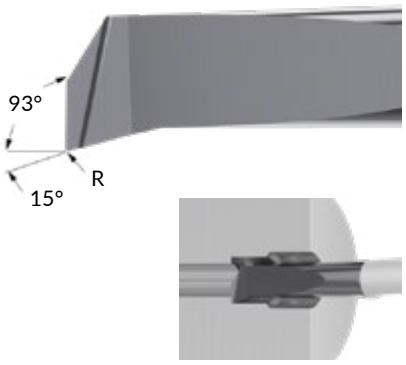


ONLINE

WHIZIN ONLINE CALCULATOR

Scan the QR code to access the WhizGuide online at whizcut.com. Enter your desired final hole size to find the largest suitable tool for the job.

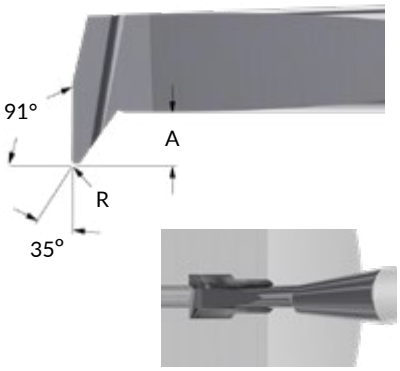
TABLES BORING BARS



BORING BARS FOR TURNING | J

Boring bar	D	d	d at max depth	Rake angle	R	f	L	l	10M	B10	C10	F10	ND8
C31NR J8-0	3	0,8	0,9	8°	0	0,4	24	4	●	●	○	●	-
C314NR J8-0	3	1,4	1,5	8°	0	0,7	24	4	●	●	○	●	-
C32NR J8-0	3	1,6	1,8	8°	0	0,8	24	7	●	●	○	●	-
C32NR J16-0	3	1,6	1,8	16°	0	0,8	24	7	●	●	○	●	-
C33NR J8-0	3	2,2	2,5	8°	0	1,1	24	10	●	●	○	●	○
C33NR J16-0	3	2,2	2,5	16°	0	1,1	24	10	●	●	○	●	-
C33NR J8-1	3	2,2	2,5	8°	0,1	1,1	24	10	●	●	○	●	○
C33NR J16-1	3	2,2	2,5	16°	0,1	1,1	24	10	●	●	○	●	-
C34NR J8-0	3	3	3,4	8°	0	1,5	24	12	●	●	○	●	○
C34NR J16-0	3	3	3,4	16°	0	1,5	24	12	●	●	○	●	-
C34NR J8-1	3	3	3,4	8°	0,1	1,5	24	12	●	●	○	●	○
C34NR J16-1	3	3	3,4	16°	0,1	1,5	24	12	●	●	○	●	-
C4NR J8-0	4	4	4,5	8°	0	2	32	16,5	●	●	○	●	●
C4NR J16-0	4	4	4,5	16°	0	2	32	16,5	●	●	○	●	-
C4NR J8-1	4	4	4,5	8°	0,1	2	32	16,5	●	●	○	●	●
C4NR J16-1	4	4	4,5	16°	0,1	2	32	16,5	●	●	○	●	-
C5NR J8-0	5	5	5,7	8°	0	2,5	40	21	●	●	○	●	●
C5NR J16-0	5	5	5,7	16°	0	2,5	40	21	●	●	○	●	-
C5NR J8-1	5	5	5,7	8°	0,1	2,5	40	21	●	●	○	●	●
C5NR J8-2	5	5	5,7	8°	0,2	2,5	40	21	●	●	○	●	●
C5NR J16-1	5	5	5,7	16°	0,1	2,5	40	21	●	●	○	●	-
C6NR J8-0	6	6	6,6	8°	0	3	48	26	●	●	○	●	●
C6NR J16-0	6	6	6,6	16°	0	3	48	26	●	●	○	●	-
C6NR J8-1	6	6	6,6	8°	0,1	3	48	26	●	●	○	●	●
C6NR J16-1	6	6	6,6	16°	0,1	3	48	26	●	●	○	●	-
C6NR J8-2	6	6	6,6	8°	0,2	3	48	26	○	○	○	○	○
C8NR J8-0	8	8	9,1	8°	0	4	72	45	●	●	○	●	●
C8NR J16-0	8	8	9,1	16°	0	4	72	45	●	●	○	●	-
C8NR J8-1	8	8	9,1	8°	0,1	4	72	45	●	●	○	●	●
C8NR J16-1	8	8	9,1	16°	0,1	4	72	45	●	●	○	●	-
C8NR J8-2	8	8	9,1	8°	0,2	4	72	45	○	○	○	○	○

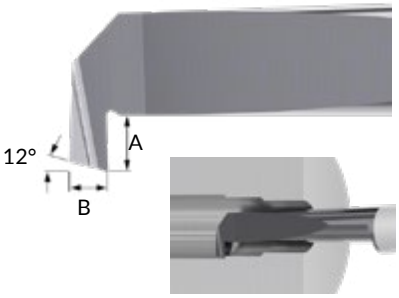
● Stock standard, ○ Delivery on request, - Not available.



BORING BARS FOR COPY TURNING | V

Boring bar	D	d	d at max depth	Rake angle	A	R	f	L	l	10M	B10	C10	F10
C32NR V8	3	1,6	1,8	8°	0,5	0,05	0,8	24	7	●	●	○	●
C33NR V8	3	2,2	2,5	8°	0,7	0,07	1,1	24	10	●	●	○	●
C3NR V8	3	3	3,4	8°	1	0,1	1,5	24	12	●	●	○	●
C4NR V8	4	4	4,5	8°	1,4	0,15	2	32	16,5	●	●	○	●
C5NR V8	5	5	5,7	8°	1,7	0,2	2,5	40	21	●	●	○	●
C6NR V8	6	6	6,6	8°	2	0,25	3	48	26	●	●	○	●
C8NR V8	8	8	9,1	8°	2,7	0,3	4	72	45	●	●	○	●

● Stock standard, ○ Delivery on request, - Not available.



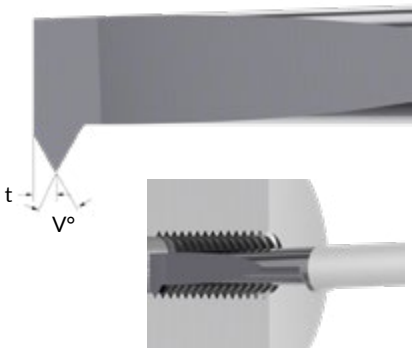
BORING BARS FOR BACK TURNING | B

Boring bar	D	d	d at max depth	A	B	f	L	l	10M	B10	C10	F10
C3NR B12-1-0	3	3	3,4	1	0,75	1,5	24	12	●	●	○	●
C4NR B12-1,4-0	4	4	4,6	1,4	1	2	32	16,5	●	●	○	●
C5NR B12-1,7-0	5	5	5,7	1,7	1,25	2,5	40	21	●	●	○	●
C6NR B12-2-0	6	6	6,7	2	1,5	3	48	26	●	●	○	●
C8NR B12-2,7-0	8	8	9,2	2,7	1,8	4	72	45	●	●	○	●

● Stock standard, ○ Delivery on request, - Not available.

TABLES BORING BARS

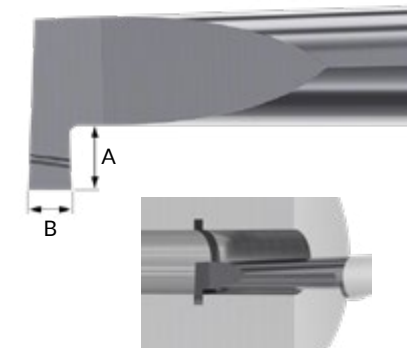
BORING BARS FOR THREADING | T



Boring bar	D	d	d at max depth	V	Pitch	t	f	L	l	10M	B10	C10	F10	ND8
C306NR T60	3	0,6	0,7	60°	0,1-0,2	0,1	0,3	24	3	●	○	-	○	-
C31NR T60	3	0,8	0,9	60°	0,2-0,4	0,2	0,5	24	4	●	●	○	●	-
C32NR T60	3	1,6	1,8	60°	0,2-0,6	0,3	0,75	24	7	●	●	○	●	-
C33NR T60	3	2,2	2,6	60°	0,2-0,8	0,4	1,25	24	10	●	●	○	●	-
C34NR T60	3	3	3,4	60°	0,2-1,0	0,5	1,5	24	12	●	●	○	●	-
C4NR T60	4	4	4,6	60°	0,25-1,25	0,6	2	32	16,5	●	●	○	●	○
C4NR T55	4	4	4,6	55°	0,25-1,25	0,6	2	32	16,5	○	○	○	○	-
C5NR T60	5	5	5,7	60°	0,25-1,5	0,7	2,5	40	21	●	●	○	●	○
C6NR T60	6	6	6,7	60°	0,25-1,75	0,8	3	48	27	●	●	○	●	○
C6NR T55	6	6	6,7	55°	0,25-1,75	0,8	3	48	27	○	○	○	○	-
C8NR T60	8	8	9,2	60°	0,35-2,5	1,2	4	72	45	●	●	○	●	○

● Stock standard, ○ Delivery on request, - Not available.

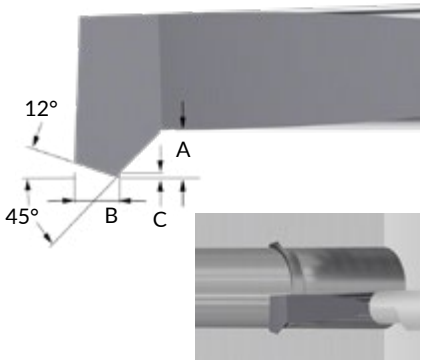
BORING BARS FOR GROOVING | G



Boring bar	D	d	d at max depth	B	A	f	L	l	10M	B10	C10	F10	ND8
C31NR G0,2	3	0,8	0,9	0,2	0,3	0,4	24	4	●	●	○	●	-
C32NR G0,3	3	1,6	1,8	0,3	0,5	0,8	24	7	●	●	○	●	-
C33NR G0,5	3	2,2	2,6	0,5	0,7	1,1	24	10	●	●	○	●	-
C34NR G0,2	3	3	3,4	0,2	0,3	1,5	24	12	●	●	○	●	-
C34NR G0,5	3	3	3,4	0,5	0,8	1,5	24	12	●	●	○	●	-
C34NR G0,8	3	3	3,4	0,8	1	1,5	24	12	●	●	○	●	○
C34NR G1,0	3	3	3,4	1	1	1,5	24	12	●	●	○	●	-
C4NR G0,5	4	4	4,6	0,5	0,8	2	32	16,5	●	●	○	●	○
C4NR G1,0	4	4	4,6	1	1,3	2	32	16,5	●	●	○	●	○
C5NR G0,5	5	5	5,7	0,5	0,8	2,5	40	21	●	●	○	●	-
C5NR G1,0	5	5	5,7	1	1,5	2,5	40	21	●	●	○	●	○
C5NR G1,5	5	5	5,7	1,5	1,5	2,5	40	21	●	●	○	●	
C6NR G0,7	6	6	6,7	0,7	1,3	3	48	26	●	●	○	●	
C6NR G1,0	6	6	6,7	1	1,3	3	48	26	●	●	○	●	
C6NR G1,5	6	6	6,7	1,5	2	3	48	26	●	●	○	●	
C6NR G2,0	6	6	6,7	2	2	3	48	26	●	●	○	●	
C8NR G1,0	8	8	9,2	1	1,7	4	72	45	●	●	○	●	
C8NR G1,5	8	8	9,2	1,5	2,2	4	72	45	●	●	○	●	
C8NR G2,0	8	8	9,2	2	2,7	4	72	45	●	●	○	●	
C8NR G2,5	8	8	9,2	2,5	2,7	4	72	45	●	●	○	●	

● Stock standard, ○ Delivery on request, - Not available.

BORING BARS FOR GROOVING & CHAMFERING - PRE PARTING OFF | P



Boring bar	D	d	d at max depth	B	A	C	f	L	l	10M	B10	C10	F10	ND8
C3NR P0,8	3	3	3,4	0,8	0,8	0,1	1,5	24	12	●	●	○	●	-
C4NR P1,0	4	4	4,6	1	1	0,1	2	32	16,5	●	●	○	●	-
C5NR P1,0	5	5	5,7	1	1,3	0,2	2,5	40	21	●	●	○	●	-
C6NR P1,0	6	6	6,7	1	1,5	0,2	3	48	26	●	●	○	●	-
C8NR P1,5	8	8	9,2	1,5	2	0,3	4	72	45	●	●	○	●	-

● Stock standard, ○ Delivery on request, - Not available.

BORING BARS FOR FACE GROOVING | A





Boring bar	D	B	A	L	l	10M	B10	C10	F10	ND8
C3NR A8-3-07	3	0,7	0,8	18	6	●	●	○	●	-
C4NR A8-4-10	4	1	1,25	23,5	8	●	●	○	●	-
C5NR A8-5-12	5	1,2	1,5	29	10	●	●	○	●	-
C6NR A8-6-15	6	1,5	2	34	12	●	●	○	●	-
C8NR A8-8-20	8	2	2,5	43	16	●	●	○	●	-

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

WHIZIN TOOL HOLDERS

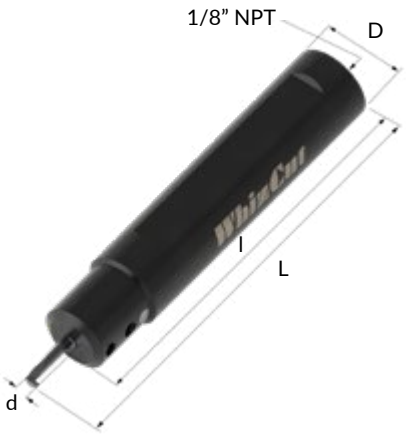
STABILITY AND PRECISION



- **STABILITY AND PRECISION**
  The WhizIn holder secures the boring bar with two screws on a flat surface for stable, precise positioning. A 2-degree tilt adds extra rigidity, while the design also makes tool changes quick and easy.

- **OPTIMIZE EFFICIENCY WITH COOLANT**
  Most WhizIn holders support through-coolant. The exit hole is placed on the cutting side and, together with the holder's 2-degree bar tilt, directs coolant straight to the cutting edge. This improves cutting efficiency and extends tool life by reducing heat and wear.

TABLES TOOL HOLDERS



ROUND TOOL HOLDER WITH INTERNAL COOLANT | WRC

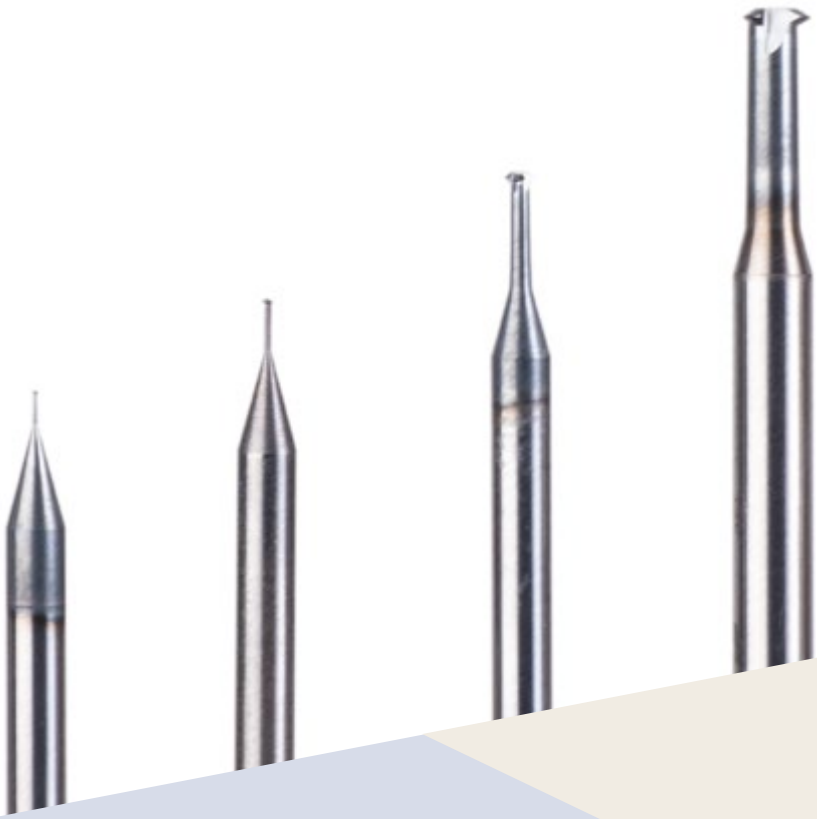
Tool holder	D	d size of insert	l	L with standard insert	Coolant	Coolant thread	Boring bar	Stock
WRC3N 0812E-2	8	3	60,5	72,5	-	-	C3N	●
WRC4N 0812E-2	8	4	60,5	77	-	-	C4N	●
WRC3N 0012E-2	12	3	70	82	●	1/8" NPT	C3N	●
WRC4N 0012E-2	12	4	75	91,5	●	1/8" NPT	C4N	●
WRC3N 0016F-2	16	3	80	92	●	1/8" NPT	C3N	●
WRC4N 0016F-2	16	4	85	101,5	●	1/8" NPT	C4N	●
WRC5N 0016G-2	16	5	90	111	●	1/8" NPT	C5N	●
WRC6N 0016G-2	16	6	95	121	●	1/8" NPT	C6N	●
WRC3N 0750H-2	3/4"	3	100	112	●	1/8" NPT	C3N	●
WRC4N 0750H-2	3/4"	4	105	121,5	●	1/8" NPT	C4N	●
WRC5N 0750J-2	3/4"	5	110	131	●	1/8" NPT	C5N	●
WRC6N 0750J-2	3/4"	6	115	141	●	1/8" NPT	C6N	●
WRC8N 0750J-2	3/4"	8	120	165	●	1/8" NPT	C8N	●
WRC3N 0020H-2	20	3	100	112	●	1/8" NPT	C3N	●
WRC4N 0020H-2	20	4	105	121,5	●	1/8" NPT	C4N	●
WRC5N 0020J-2	20	5	110	131	●	1/8" NPT	C5N	●
WRC6N 0020J-2	20	6	115	141	●	1/8" NPT	C6N	●
WRC8N 0020J-2	20	8	120	165	●	1/8" NPT	C8N	●
WRC3N 0022J-2	22	3	110	122	●	1/8" NPT	C3N	●
WRC4N 0022J-2	22	4	115	131,5	●	1/8" NPT	C4N	●
WRC5N 0022J-2	22	5	120	141	●	1/8" NPT	C5N	●
WRC6N 0022K-2	22	6	125	151	●	1/8" NPT	C6N	●
WRC8N 0022K-2	22	8	130	175	●	1/8" NPT	C8N	●
WRC3N 0025J-2	25	3	110	122	●	1/8" NPT	C3N	●
WRC4N 0025J-2	25	4	115	131,5	●	1/8" NPT	C4N	●
WRC5N 0025J-2	25	5	120	141	●	1/8" NPT	C5N	●
WRC6N 0025K-2	25	6	125	151	●	1/8" NPT	C6N	●
WRC8N 0025K-2	25	8	130	175	●	1/8" NPT	C8N	●
WRC3N 1000J-2	1"	3	110	122	●	1/8" NPT	C3N	●
WRC4N 1000J-2	1"	4	115	131,5	●	1/8" NPT	C4N	●
WRC5N 1000J-2	1"	5	120	141	●	1/8" NPT	C5N	●
WRC6N 1000K-2	1"	6	125	151	●	1/8" NPT	C6N	●
WRC8N 1000K-2	1"	8	130	175	●	1/8" NPT	C8N	●

● Stock standard, ○ Delivery on request, - Not available.



WHIZTHRILL

Up your machining processes with thread milling. A cutting-edge technique designed to create precise threads on both the inside and outside of holes or cylinders. Thread milling offers superior versatility and precision, reducing tool breakage risk compared to tapping.



PRECISION THREAD MILLING

Get exceptional precision and superior surface finish in all your machined threads.

CUTTING TOOLS

TRY PRECISE THREAD MILLING

High quality thread mills and micro thread mills. Discover how WhizCut's premium thread mills and micro thread mills can enhance your machining processes, ensuring superior performance and tool life. WhizThrill delivers higher-quality threads thanks to superior chip removal.

- **WHIZTHRILL SINGLE PROFILE & MICRO**
  Perfect for fine threads in small components.
- **WHIZTHRILL TWO TOOTH**
  For deep threads and hard material.
- **WHIZTHRILL DEBURRING**
  Thread mill and deburr in one operation.

THREAD MILLING

CHOOSE THE PERFECT THREAD MILL FOR THE JOB.



WHIZTHRILL SINGLE PROFILE & MICRO

PERFECT FOR FINE THREADS IN SMALL COMPONENTS

- Thread mill down to M1 (full profile).
- Increased stability with unique shank design.
- Extra edge sharpness with premium coating.

MORE INFO PAGE 87

WHIZTHRILL TWO TOOTH

TWO TOOTH THREAD MILLS FOR TOUGH MATERIALS

- Minimized tool deflection and pressure.
- High-quality threads in hard materials.
- Wide range of ISO-certified thread mills.



MORE INFO PAGE 90



WHIZTHRILL DEBURRING

SOLID CARBIDE THREAD MILLS

- Threading and deburring in a single move.
- Superior thread quality and surface finish.
- Vibration-free operation.

MORE INFO PAGE 91

THREAD MILLING VS. TAPPING

WHY THREAD MILLING IS THE SMARTER CHOICE

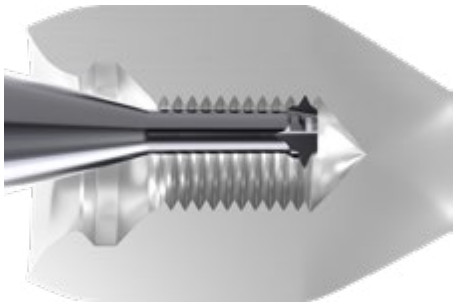
Thread milling offers greater versatility and precision than tapping, producing cleaner threads and reducing the risk of tool breakage. Unlike taps, which are size-specific and prone to breaking in hard or deep holes, thread mills can handle multiple thread sizes, provide better chip control, and deliver superior surface finish, even in challenging materials.

TECHNICAL

SINGLE PROFILE & MICRO

HIGH-PERFORMANCE THREAD MILLS FOR SMALL PARTS

WhizThrill single profile thread mills and micro thread mills are the best precision tools for crafting fine threads in small components. With their precise cutting geometry and minimal cutting pressure, these thread mills ensure exceptional accuracy and consistency in every operation.



WHIZGUIDE

SELECT THE IDEAL MICRO THREAD MILL

1

USING SINGLE-POINT THREAD MILLS

- **Perfect for micro** or deep threads. Low cutting forces ensure high thread quality and straightness.
- **Perfect for milling** in hard materials, as it significantly reduces chatter.
- **Suitable for varying** thread profiles, accommodating several types of threads.

2

PARTIAL PROFILE VS. FULL PROFILE

- **Partial profile:** Ideal for long threads, tough materials, and unstable conditions. Fits multiple thread sizes.
- **Full profile:** Essential when tight tolerances for major and minor diameters are required. Gives better thread form than partial profile.

3

GRADES VS. MATERIAL

- **WhizThrill uncoated grade 9M:** A sub-micron carbide (ISO K20–K30), excels in soft materials.
- **B9 coating:** AlCrN for sharper edges and 4–5× longer tool life in titanium and stainless steel.

4

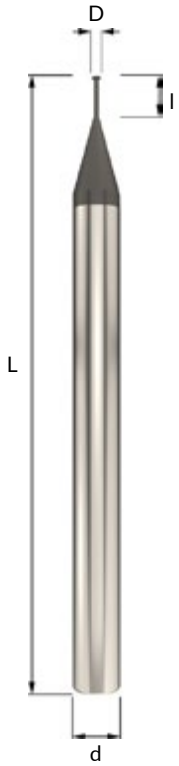
DETERMINE LENGTH

- **Use the shortest** tool possible as longer micro mills lose rigidity.
- **WhizThrill has a 15°** exit angle (D to d). Chamfer first when possible to measure thread length accurately.

BENEFITS

- VERSATILE THREAD MILLS
  Thread down to M1 (full profile) and M0.5 (partial profile) with low cutting forces for great finish and long tool life.
- OPTIMIZED EXIT ANGLE
  The 15° exit angle to full diameter often allows for the selection of shorter thread mills, particularly useful for threading dental implants.
- CUSTOM SOLUTIONS
  Special designs, single or double deburring micro thread mills, and additional flutes can be provided upon request.

TABLES THREAD MILLS

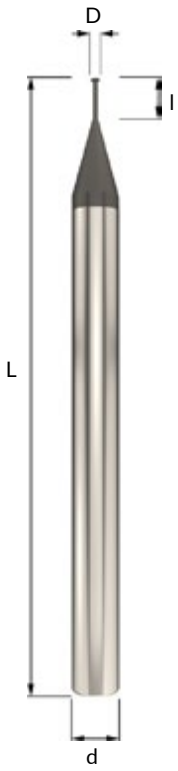


PARTIAL PROFILE MICRO THREAD MILLS | NS

Thread mill	M coarse	M fine	S&UNM	UNC UNF	l	D	d	Flutes	L	9M	A9	B9
NS03003C1.3 P60	M0,5	M0,5	0,5	#0000-160	1,3	0,36	3	3	39	○	-	●
NS03004C1.5 P60	M0,6	M0,6	0,6		1,5	0,43	3	3	39	○	-	●
NS03005C1.4 P60	M0,8	M0,8	0,8	#000-120	1,4	0,57	3	3	39	○	-	●
NS03005C2.0 P60	M0,8	M0,8	0,8	#000-120	2	0,57	3	3	39	○	-	●
NS03005C2.7 P60	M0,8	M0,8	0,8	#000-120	2,7	0,57	3	3	39	○	-	●
NS03005C3.5 P60	M0,8	M0,8	0,8	#000-120	3,5	0,57	3	3	39	○	-	○
NS03007C1.1 P60	M1,0	M1,0	1		1,1	0,71	3	3	39	○	-	●
NS03007C1.7 P60	M1,0	M1,0	1		1,7	0,71	3	3	39	○	-	●
NS03007C2.1 P60	M1,0	M1,0	1		2,1	0,71	3	3	39	○	-	●
NS03007C2.5 P60	M1,0	M1,0	1		2,5	0,71	3	3	39	○	-	●
NS03007C3.2 P60	M1,0	M1,0	1		3,2	0,71	3	3	39	○	-	●
NS03009C2.0 P60	M1,2	M1,2	1,2	#00-95<	2	0,91	3	3	39	○	-	●
NS03009C2.9 P60	M1,2	M1,2	1,2	#00-95<	2,9	0,91	3	3	39	○	-	●
NS03009C3.9 P60	M1,2	M1,2	1,2	#00-95<	3,9	0,91	3	3	39	○	-	●
NS03010C2.2 P60	M1,4	M1,4	1,4		2,2	1,05	3	3	39	○	-	●
NS03010C3.3 P60	M1,4	M1,4	1,4		3,3	1,05	3	3	39	○	-	●
NS03010C4.4 P60	M1,4	M1,4	1,4		4,4	1,05	3	3	39	○	-	●
NS03011D2.5 P60	M1,6	M1,4X0,2		#0-80	2,5	1,18	3	4	39	○	-	●
NS03011D3.6 P60	M1,6	M1,4X0,2		#0-80	3,6	1,18	3	4	39	○	-	●
NS03011D5.1 P60	M1,6	M1,4X0,2		#0-80	5,1	1,18	3	4	39	○	-	●
NS03013D2.8 P60	M1,8	M1,6X0,2		#1	2,8	1,39	3	4	39	○	-	●
NS03013D4.2 P60	M1,8	M1,6X0,2		#1	4,2	1,39	3	4	39	○	-	●
NS03013D5.6 P60	M1,8	M1,6X0,2		#1	5,6	1,39	3	4	39	○	-	●
NS03015D3.2 P60	M2,0	M1,8		#2	3,2	1,54	3	4	39	○	-	●
NS03015D3.8 P60	M2,0	M1,8		#2	3,8	1,54	3	4	39	○	-	●
NS03015D4.6 P60	M2,0	M1,8		#2	4,6	1,54	3	4	39	○	-	●
NS03015D5.4 P60	M2,0	M1,8		#2	5,4	1,54	3	4	39	○	-	●
NS03015D6.2 P60	M2,0	M1,8		#2	6,2	1,54	3	4	39	○	-	●
NS03019D4.3 P60	M2,5	M2,2X0,25		#3	4,3	1,93	3	4	39	○	-	●
NS03019D6.2 P60	M2,5	M2,2X0,25		#3	6,2	1,93	3	4	39	○	-	●
NS03021D4.9 P60		M2,5		#4	4,9	2,12	3	4	39	○	-	●
NS03021D7.1 P60		M2,5		#4	7,1	2,12	3	4	39	○	-	●
NS03023D5.4 P60	M3	M3		#5	5,4	2,38	3	4	39	○	-	●
NS03023D7.8 P60	M3	M3		#5	7,8	2,38	3	4	39	○	-	●
NS03026D6.1 P60	M3,5	M3		#6	6,1	2,62	3	4	39	○	-	●
NS03026D8.7 P60	M3,5	M3		#6	8,7	2,62	3	4	39	○	-	●
NS0303D7.1 P60	M4	M3,5-M4		#8	7,1	3	3	4	39	○	-	●
NS0303D10.2 P60	M4	M3,5-M4		#8	10,2	3	3	4	39	○	-	●
NS04036D8.3 P60	M4,5	M4,5		#10	8,3	3,65	4	4	51	○	-	●
NS04036D12.0 P60	M4,5	M4,5		#10	12	3,65	4	4	51	○	-	●
NS0404D10.0 P60	M5-M6	M5-M6		#12-1/4	10	4	4	4	51	○	-	●
NS0404D14.5 P60	M5-M6	M5-M6		#12-1/4	14,5	4	4	4	51	○	-	●
NS06045D13 P60 A9	M6 (2XD)	M6		5/16 - 3/8	13	4,5	6	4	63	-	●	-
NS06045D19 P60 A9	M6 (3XD)	M6		5/16 - 3/8	19	4,5	6	4	76	-	●	-
NS0606E17 P60 A9	M8 (2XD)	M8		7/16 - 1/2	17,3	6	6	5	63	-	●	-
NS0606E25 P60 A9	M8 (3XD)	M8		7/16 - 1/2	25,3	6	6	5	76	-	●	-
NS08075E22 P60 A9	M10 (2XD)	M10		9/16 - 3/4	22	7,5	8	5	63	-	●	-
NS08075E32 P60 A9	M10 (3XD)	M10		9/16 - 3/4	32	7,5	8	5	76	-	●	-
NS1009E26 P60 A9	M12 (2XD)	M12		7/8	26	9	10	5	76	-	●	-
NS1009E38 P60 A9	M12 (3XD)	M12		7/8	38	9	10	5	100	-	●	-
NS1010E30 P60 A9	M14 (2XD)	M14		≥ 1	30	10	10	5	76	-	●	-
NS1010E44 P60 A9	M14 (3XD)	M14		≥ 1	44	10	10	5	100	-	●	-
NS1212F34 P60 A9	M16 (2XD)	M16		≥ 1	34	12	12	6	83	-	●	-
NS1212F50 P60 A9	M16 (3XD)	M16		≥ 1	50	12	12	6	100	-	●	-

● Stock standard, ○ Delivery on request, - Not available.

TABLES THREAD MILLS



FULL PROFILE MICRO THREAD MILLS ISO | NT-ISO M

Thread mill	M coarse	Pitch	d	D	Flutes	l	L	9M	B9
NT03007C1.7-0.25ISO	M1,0	0,25	3	0,72	3	1,7	39	○	●
NT03007C2.5-0.25ISO	M1,0	0,25	3	0,72	3	2,5	39	○	●
NT03007C3.5-0.25ISO	M1,0	0,25	3	0,72	3	3,5	39	○	●
NT03009C2.0-0.25ISO	M1,2	0,25	3	0,92	3	2	39	○	●
NT03009C2.9-0.25ISO	M1,2	0,25	3	0,92	3	2,9	39	○	●
NT03009C3.9-0.25ISO	M1,2	0,25	3	0,92	3	3,9	39	○	●
NT03010C2.3-0.3ISO	M1,4	0,3	3	1,06	3	2,3	39	○	●
NT03010C3.3-0.3ISO	M1,4	0,3	3	1,06	3	3,3	39	○	●
NT03010C4.4-0.3ISO	M1,4	0,3	3	1,06	3	4,4	39	○	●
NT03011D2.5-0.35ISO	M1,6	0,35	3	1,2	4	2,5	39	○	●
NT03011D3.6-0.35ISO	M1,6	0,35	3	1,2	4	3,6	39	○	●
NT03011D5.1-0.35ISO	M1,6	0,35	3	1,2	4	5,1	39	○	●
NT03013D2.8-0.35ISO	M1,8	0,35	3	1,4	4	2,8	39	○	●
NT03013D4.2-0.35ISO	M1,8	0,35	3	1,4	4	4,2	39	○	●
NT03013D5.6-0.35ISO	M1,8	0,35	3	1,4	4	5,6	39	○	●
NT03015D3.2-0.4ISO	M2,0	0,4	3	1,55	4	3,2	39	○	●
NT03015D4.7-0.4ISO	M2,0	0,4	3	1,55	4	4,7	39	○	●
NT03015D6.2-0.4ISO	M2,0	0,4	3	1,55	4	6,2	39	○	●

● Stock standard, ○ Delivery on request, - Not available.

FULL PROFILE MICRO THREAD MILLS S/UNM | NT-ISO S

Thread mill	ISO S-1501	UNM	Pitch	d	D	Flutes	l	L	9M	B9
NT03007C2.5-S1.0UNM	S1,0	1,00 UNM	0,25	3	0,73	3	2,5	39	○	●
NT03009C2.9-S1.2UNM	S1,2	1,20 UNM	0,25	3	0,93	3	2,9	39	○	●
NT03010C3.3-S1.4UNM	S1,4	1,40 UNM	0,3	3	1,08	3	3,3	39	○	●

● Stock standard, ○ Delivery on request, - Not available.

FULL PROFILE MICRO THREAD MILLS UN | NT-UN

Thread mill	UNC UNF	#	TPI	d	D	Flutes	l	L	9M	B9
NT03011C3.3-80UN	UNF	NO. 0	80	3	1,16	3	3,3	39	○	●
NT03014D4.4-72UN	UNF	NO. 1	72	3	1,45	4	4,4	39	○	●
NT03014D4.4-64UN	UNC	NO. 1	64	3	1,41	4	4,4	39	○	●
NT03017D5.2-64UN	UNF	NO. 2	64	3	1,74	4	5,2	39	○	●
NT03016D5.2-56UN	UNC	NO. 2	56	3	1,68	4	5,2	39	○	●

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

MULTI TOOTH THREAD MILLS

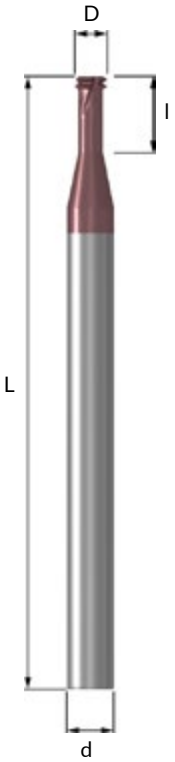
REDUCED TOOL PRESSURE WITH WHIZTHRILL

Optimize thread milling with ISO-certified multi tooth thread mills. When it comes to thread milling deep threads or working with hard materials, tool deflection can be a significant challenge. Utilizing a two tooth thread mill not only reduces tool pressure but also ensures the production of high-quality threads. WhizCut provides a comprehensive range of ISO-certified two tooth thread mills, designed to tackle even the toughest jobs with ease.

TABLES THREAD MILLS

TWO TOOTH

ISO-certified
Lower tool pressure
For hard materials



TWO TOOTH THREAD MILLS ISO | NM

Thread mill	Pitch	M coarse	M fine	d	D	Flutes	l	L	Stock
NM04015D4 0.4ISO A9	0,4	M2 (2XD)		4	1,5	4	4,4	50	●
NM04015D6 0.4ISO A9	0,4	M2 (3XD)		4	1,5	4	6,4	50	●
NM04016D5 0.45ISO A9	0,45	M2,2 (2XD)		4	1,65	4	5	50	●
NM04016D7 0.45ISO A9	0,45	M2,2 (3XD)		4	1,65	4	7,1	50	●
NM04019D5 0.45ISO A9	0,45	M2,5 (2XD)		4	1,9	4	5,5	50	●
NM04019D8 0.45ISO A9	0,45	M2,5 (3XD)		4	1,9	4	8	50	●
NM04023E6 0.5ISO A9	0,5	M3 (2XD)		4	2,3	5	6,5	50	●
NM04023E9 0.5ISO A9	0,5	M3 (3XD)		4	2,3	5	9,5	50	●
NM04026E7 0.6ISO A9	0,6	M3,5 (2XD)		4	2,6	5	7,6	50	●
NM04026E11 0.6ISO A9	0,6	M3,5 (3XD)		4	2,6	5	11,1	50	●
NM0403E9 0.7ISO A9	0,7	M4 (2XD)		4	3	5	9	50	●
NM0403E13 0.7ISO A9	0,7	M4 (3XD)		4	3	5	13	50	●
NM04034E10 0.75ISO A9	0,75	M4,5 (2XD)		4	3,4	5	10	50	●
NM04034E14 0.75ISO A9	0,75	M4,5 (3XD)		4	3,4	5	14,3	50	●
NM04038E11 0.8ISO A9	0,8	M5 (2XD)		4	3,8	5	11	50	●
NM04038E16 0.8ISO A9	0,8	M5 (3XD)		4	3,8	5	16	50	●
NM06045E13 1.0ISO A9	1	M6 (2XD)		6	4,5	5	13	63	●
NM06045E19 1.0ISO A9	1	M6 (3XD)		6	4,5	5	19	76	●
NM0606E17 1.25ISO A9	1,25	M8 (2XD)		6	6	5	17,3	63	●
NM0606E25 1.25ISO A9	1,25	M8 (3XD)		6	6	5	25,3	76	●
NM08075E22 1.5ISO A9	1,5	M10 (2XD)		8	7,5	5	22	63	●
NM08075E32 1.5ISO A9	1,5	M10 (3XD)		8	7,5	5	32	76	●
NM1009E26 1.75ISO A9	1,75	M12 (2XD)		10	9	5	26	76	●
NM1009E38 1.75ISO A9	1,75	M12 (3XD)		10	9	5	38	100	●
NM1010E30 2.0ISO A9	2	M14 (2XD)		10	10	5	30	76	●
NM1010E44 2.0ISO A9	2	M14 (3XD)		10	10	5	44	100	●
NM1212F34 2.0ISO A9	2	M16 (2XD)		12	12	6	34	83	●
NM1212F50 2.0ISO A9	2	M16 (3XD)		12	12	6	50	100	●

● Stock standard, ○ Delivery on request, - Not available.

TECHNICAL

THREAD MILLING & DEBURRING

DEBURR WHILE YOU THREAD MILL - NO EXTRA STEPS

Thread-mill and deburr in one operation with solid carbide thread mills from WhizCut. With WhizThrill, threading and deburring are accomplished in a single operation, all vibration free, eliminating the need for additional deburring time and costs.

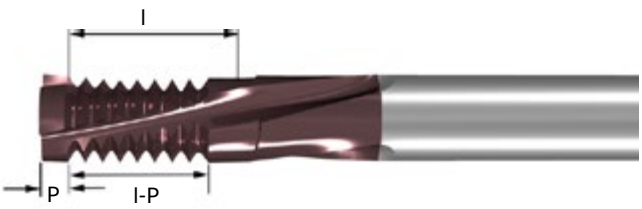
WhizThrills double deburring thread mills clean both sides during threading. Just specify thread length for a custom fit.



TAILOR MADE THREAD MILLS

WE HAVE GOT YOU COVERED

Need custom dimensions or double deburr? For a small fee, we can modify a standard thread mill to your required length or grind a special form, like a tapered thread mill for bone plates.



VIBRATION FREE THREAD MILLS

THREADING WITH OPTIMIZED HELIX DESIGN

WhizThrill vibration-free thread mills are engineered to maintain consistent tool pressure throughout the entire threading process, ensuring superior performance and precision. By incorporating flutes and varying the helix angle between 12° and 18°, these thread mills achieve

DEBURRING

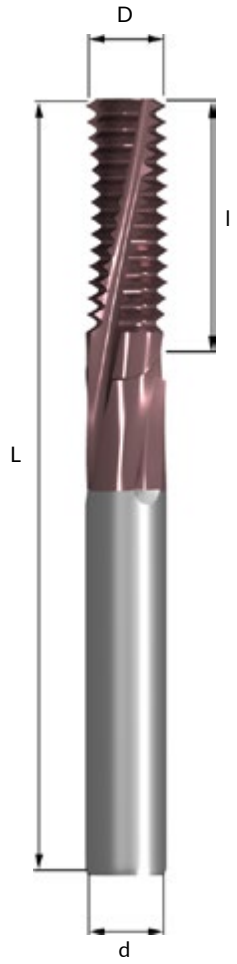
One operation
Solid carbide
Vibration free

Perfect vibration-free operation. The additional flutes also help reduce cycle times, making your threading operations more efficient.

BENEFITS

- **DEBURRING**
  Integrated into the process of the thread milling, eliminating the need for a separate deburring operation.
- **IMPROVED THREAD QUALITY**
  Superior carbide and coatings deliver excellent surface finish and extended tool life.
- **VIBRATION FREE**
  Most WhizThrill thread mills are available as vibration free, improving part quality, tool life and cutting cycle time.
- **FLEXIBILITY**
  From M2-M42, 0,4-4 mm pitch and a wide range of thread types: NPT, NPTF and Whitworth.
- **COOLANT**
  Selection of straight and radial coolant through available.

TABLES THREAD MILLS





METRIC DEBURRING THREAD MILLS | NB-ISO

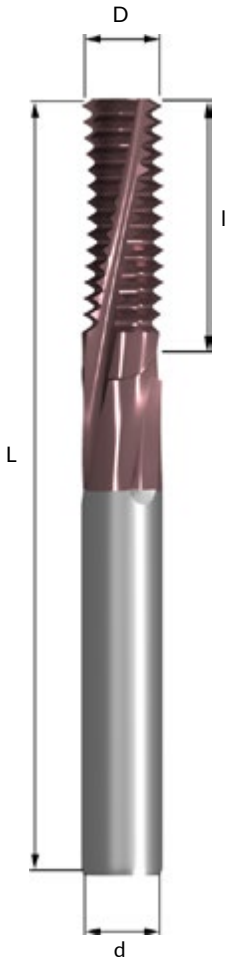
Thread mill	Pitch	M coarse	M fine	Vibration free	Coolant	d mm	D mm	Flutes	l mm	L mm	Stock
NB04015C3 0.4ISO A9	0,4	M2 (1,5XD)				4	1,5	3	3,4	50	●
NB04015C4 0.4ISO A9	0,4	M2 (2XD)				4	1,5	3	4,6	50	●
NB04016C3 0.45ISO A9	0,45	M2,2 (1,5XD)				4	1,65	3	3,82	50	●
NB04016C5 0.45ISO A9	0,45	M2,2 (2XD)		●		4	1,65	3	5,17	50	●
NB04019C4 0.45ISO A9	0,45	M2,5 (1,5XD)				4	1,9	3	4,27	50	●
NB04019C5 0.45ISO A9	0,45	M2,5 (2XD)				4	1,9	3	5,62	50	●
NB04023C5 0.5ISO A9	0,5	M3 (1,5XD)	≥ M3,5			4	2,3	3	5,25	50	●
NB04023E5 0.5ISO A9	0,5	M3 (1,5XD)	≥ M3,5	●		4	2,3	5	5,25	50	●
NB06023C5 0.5ISO A9	0,5	M3 (1,5XD)	≥ M3,5			6	2,3	3	5,25	63	●
NB04023C6 0.5ISO A9	0,5	M3 (2XD)	≥ M3,5			4	2,3	3	6,75	50	●
NB04023D6 0.5ISO A9	0,5	M3 (2XD)	≥ M3,5	●		4	2,3	4	6,75	50	●
NB06023C6 0.5ISO A9	0,5	M3 (2XD)	≥ M3,5			6	2,3	3	6,75	63	●
NB04023C8 0.5ISO A9	0,5	M3 (2,5XD)	≥ M3,5	●		4	2,3	3	8,25	50	●
NB06023C8 0.5ISO A9	0,5	M3 (2,5XD)	≥ M3,5	●		6	2,3	3	8,25	63	●
NB04038C10 0.5ISO A9	0,5		≥ M5			4	3,8	3	10,75	50	●
NB06038C10 0.5ISO A9	0,5		≥ M5			6	3,8	3	10,75	63	●
NB04026C6 0.6ISO A9	0,6	M3,5 (1,5XD)				4	2,6	3	6,3	50	●
NB04026C8 0.6ISO A9	0,6	M3,5 (2XD)				4	2,6	3	8,1	50	●
NB0403C7 0.7ISO A9	0,7	M4 (1,5XD)				4	3	3	7,35	50	●
NB0403E7 0.7ISO A9	0,7	M4 (1,5XD)		●		4	3	5	7,35	50	●
NB0603C7 0.7ISO A9	0,7	M4 (1,5XD)				6	3	3	7,35	63	●
NB0403C8 0.7ISO A9	0,7	M4 (2XD)				4	3	3	8,75	50	●
NB0403D8 0.7ISO A9	0,7	M4 (2XD)		●		4	3	4	8,75	50	●
NB0603C8 0.7ISO A9	0,7	M4 (2XD)				6	3	3	8,75	63	●
NB0403C10 0.7ISO A9	0,7	M4 (2,5XD)		●		4	3	3	10,85	50	●
NB0603C10 0.7ISO A9	0,7	M4 (2,5XD)		●		6	3	3	10,85	63	●
NB04034C7 0.75ISO A9	0,75	M4,5 (1,5XD)	≥ M5			4	3,4	3	7,87	50	●
NB04034C10 0.75ISO A9	0,75	M4,5 (2XD)	≥ M5			4	3,4	3	10,12	50	●
NB06045C10 0.75ISO A9	0,75		≥ M6			6	4,5	3	10,87	63	●
NB06045C16 0.75ISO A9	0,75		≥ M6	●		6	4,5	3	16,87	63	●
NB06048E10 0.75ISO A9	0,75		≥ M6	●		6	4,8	5	10,87	63	●
NBK04038C8 0.8ISO A9	0,8	M5 (1,5XD)			THROUGH	4	3,8	3	8,4	50	●
NB04038C8 0.8ISO A9	0,8	M5 (1,5XD)				4	3,8	3	8,4	50	●
NB04038E8 0.8ISO A9	0,8	M5 (1,5XD)		●		4	3,8	5	8,4	50	●
NB06038C8 0.8ISO A9	0,8	M5 (1,5XD)				6	3,8	3	8,4	63	●
NBK04038C10 0.8ISO A9	0,8	M5 (2XD)			THROUGH	4	3,8	3	10,8	50	●
NB04038C10 0.8ISO A9	0,8	M5 (2XD)				4	3,8	3	10,8	50	●
NB04038D10 0.8ISO A9	0,8	M5 (2XD)		●		4	3,8	4	10,8	50	●
NB06038C10 0.8ISO A9	0,8	M5 (2XD)				6	3,8	3	10,8	63	●
NBK04038C13 0.8ISO A9	0,8	M5 (2,5XD)		●	THROUGH	4	3,8	3	13,2	50	●
NB04038C13 0.8ISO A9	0,8	M5 (2,5XD)		●		4	3,8	3	13,2	50	●
NB06038C13 0.8ISO A9	0,8	M5 (2,5XD)				6	3,8	3	13,2	63	●
NBK06045C10 1.0ISO A9	1	M6 (1,5XD)	≥ M8		THROUGH	6	4,5	3	10,5	63	●
NB06045C10 1.0ISO A9	1	M6 (1,5XD)	≥ M8			6	4,5	3	10,5	63	●
NB06045E10 1.0ISO A9	1	M6 (1,5XD)	≥ M8	●		6	4,5	5	10,5	63	●
NBK06045C13 1.0ISO A9	1	M6 (2XD)	≥ M8		THROUGH	6	4,5	3	13,5	63	●
NB06045C13 1.0ISO A9	1	M6 (2XD)	≥ M8			6	4,5	3	13,5	63	●
NB06045D13 1.0ISO A9	1	M6 (2XD)	≥ M8	●		6	4,5	4	13,5	63	●
NBK06045C16 1.0ISO A9	1	M6 (2,5XD)	≥ M8	●	THROUGH	6	4,5	3	16,5	63	●
NB06045C16 1.0ISO A9	1	M6 (2,5XD)	≥ M8	●		6	4,5	3	16,5	63	●
NB06045C19 1.0ISO A9	1	M6 (3XD)	≥ M8	●		6	4,5	3	19,5	63	●
NB0606C10 1.0ISO A9	1		≥ M8			6	6	3	10,5	63	●
NB0606C13 1.0ISO A9	1		≥ M8			6	6	3	13,5	63	●
NB0606E14 1.0ISO A9	1		≥ M8	●		6	6	5	14,5	63	●
NB0808D10 1.0ISO A9	1		≥ M10			8	8	4	10,5	63	●
NB0808D13 1.0ISO A9	1		≥ M10			8	8	4	13,5	63	●
NB0808F16 1.0ISO A9	1		≥ M10	●		8	8	6	16,5	63	●
NBK0808D17 1.0ISO A9	1		≥ M10		THROUGH	8	8	4	17,5	76	●
NBT0808D17 1.0ISO A9	1		≥ M10		RADIAL	8	8	4	17,5	76	●
NB0808D17 1.0ISO A9	1		≥ M10			8	8	4	17,5	63	●
NB1010E14 1.0ISO A9	1		≥ M12			10	10	5	14,5	76	●
NB1010G17 1.0ISO A9	1		≥ M12	●		10	10	7	17,5	76	●
NB1010E19 1.0ISO A9	1		≥ M12	●		10	10	5	19,5	76	●
NB1212F15 1.0ISO A9	1		≥ M14			12	12	6	15,5	83	●
NB1212H18 1.0ISO A9	1		≥ M14	●		12	12	8	18,5	83	●
NB1212F21 1.0ISO A9	1		≥ M14	●		12	12	6	21,5	83	●

● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES THREAD MILLS

METRIC DEBURRING THREAD MILLS | NB-ISO



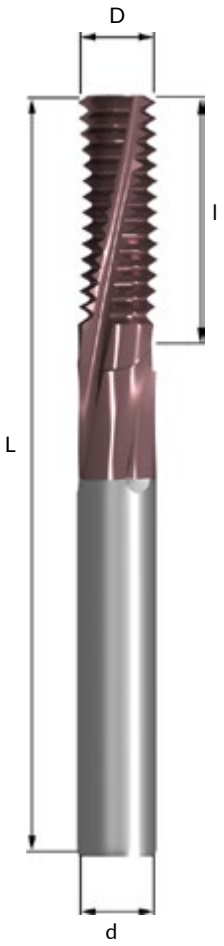
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Thread mill	Pitch	M coarse	M fine	Vibration free	Coolant	d mm	D mm	Flutes	l mm	L mm	Stock
NBK0606C14 1.25ISO A9	1,25	M8 (1,5XD)	≥ M10		THROUGH	6	6	3	14,37	63	●
NB0606C14 1.25ISO A9	1,25	M8 (1,5XD)	≥ M10			6	6	3	14,37	63	●
NB0606E14 1.25ISO A9	1,25	M8 (1,5XD)	≥ M10	●		6	6	5	14,37	63	●
NBK0606C18 1.25ISO A9	1,25	M8 (2XD)	≥ M10		THROUGH	6	6	3	18,12	63	●
NBT0606C18 1.25ISO A9	1,25	M8 (2XD	≥ M10			6	6	3	18,12	76	●
NB0606C18 1.25ISO A9	1,25	M8 (2XD)	≥ M10			6	6	3	18,12	63	●
NB0606D18 1.25ISO A9	1,25	M8 (2XD)	≥ M10	●		6	6	4	18,12	63	●
NBK0606C21 1.25ISO A9	1,25	M8 (2,5XD)	≥ M10	●	THROUGH	6	6	3	21,87	63	●
NB0606C21 1.25ISO A9	1,25	M8 (2,5XD)	≥ M10	●		6	6	3	21,87	63	●
NB0606C25 1.25ISO A9	1,25	M8 (3XD)	≥ M10	●		6	6	3	25,62	76	●
NBK08075C17 1.5ISO A9	1,5	M10 (1,5XD)	≥ M12		THROUGH	8	7,5	3	17,25	76	●
NB08075C17 1.5ISO A9	1,5	M10 (1,5XD)	≥ M12			8	7,5	3	17,25	63	●
NB08075E17 1.5ISO A9	1,5	M10 (1,5XD)	≥ M12	●		8	7,5	5	17,25	63	●
NBK08075C21 1.5ISO A9	1,5	M10 (2XD)	≥ M12		THROUGH	8	7,5	3	21,75	76	●
NBT08075C21 1.5ISO A9	1,5	M10 (2XD)	≥ M12		RADIAL	8	7,5	3	21,75	76	●
NB08075C21 1.5ISO A9	1,5	M10 (2XD)	≥ M12			8	7,5	3	21,75	76	●
NB08075D21 1.5ISO A9	1,5	M10 (2XD)	≥ M12	●		8	7,5	4	21,75	76	●
NBK08075C27 1.5ISO A9	1,5	M10 (2,5XD)	≥ M12	●	THROUGH	8	7,5	3	27,75	76	●
NB08075C27 1.5ISO A9	1,5	M10 (2,5XD)	≥ M12	●		8	7,5	3	27,75	76	●
NBK08075C32 1.5ISO A9	1,5	M10 (3XD)	≥ M12	●	THROUGH	8	7,5	3	32,25	76	●
NB08075C32 1.5ISO A9	1,5	M10 (3XD)	≥ M12	●		8	7,5	3	32,25	76	●
NB1010D17 1.5ISO A9	1,5		≥ M14			10	10	4	17,25	76	●
NB1010F20 1.5ISO A9	1,5		≥ M14	●		10	10	6	20,25	76	●
NB1010D23 1.5ISO A9	1,5		≥ M14			10	10	4	23,25	76	●
NB1212E15 1.5ISO A9	1,5		≥ M16			12	12	5	15,75	83	●
NB1212E21 1.5ISO A9	1,5		≥ M16			12	12	5	21,75	83	●
NB1212G21 1.5ISO A9	1,5		≥ M16	●		12	12	7	21,75	83	●
NBK1212E29 1.5ISO A9	1,5		≥ M16	●	THROUGH	12	12	5	29,25	100	●
NBT1212E29 1.5ISO A9	1,5		≥ M16	●	RADIAL	12	12	5	29,25	100	●
NB1212E29 1.5ISO A9	1,5		≥ M16	●		12	12	5	29,25	83	●
NB1616F18 1.5ISO A9	1,5		≥ M20			16	16	6	18,75	89	●
NB1616H24 1.5ISO A9	1,5		≥ M20	●		16	16	8	24,75	89	●
NB1616F26 1.5ISO A9	1,5		≥ M20	●		16	16	6	26,25	89	●
NBK1616F35 1.5ISO A9	1,5		≥ M20	●	THROUGH	16	16	6	35,25	120	●
NB1616F35 1.5ISO A9	1,5		≥ M20	●		16	16	6	35,25	100	●
NBK0808C20 1.75ISO A9	1,75	M12 (1,5XD)			THROUGH	8	8	3	20,12	76	●
NB0808C20 1.75ISO A9	1,75	M12 (1,5XD)				8	8	3	20,12	76	●
NBK0808C27 1.75ISO A9	1,75	M12 (2XD)		●		8	8	3	27,12	76	●
NBT0808C27 1.75ISO A9	1,75	M12 (2XD)		●	RADIAL	8	8	3	27,12	76	●
NB0808C27 1.75ISO A9	1,75	M12 (2XD)		●		8	8	3	27,12	76	●
NBK1009C20 1.75ISO A9	1,75	M12 (1,5XD)			THROUGH	10	9	3	20,12	100	●
NB1009C20 1.75ISO A9	1,75	M12 (1,5XD)				10	9	3	20,12	76	●
NB1009E20 1.75ISO A9	1,75	M12 (1,5XD)		●		10	9	5	20,12	76	●
NBK1009C27 1.75ISO A9	1,75	M12 (2XD)			THROUGH	10	9	3	27,12	100	●
NBT1009C27 1.75ISO A9	1,75	M12 (2XD)			RADIAL	10	9	3	27,12	100	●
NB1009C27 1.75ISO A9	1,75	M12 (2XD)				10	9	3	27,12	76	●
NB1009D27 1.75ISO A9	1,75	M12 (2XD)		●		10	9	4	27,12	76	●
NBK1009C32 1.75ISO A9	1,75	M12 (2,5XD)		●	THROUGH	10	9	3	32,37	100	●
NB1009C32 1.75ISO A9	1,75	M12 (2,5XD)		●		10	9	3	32,37	100	●
NBK1009C37 1.75ISO A9	1,75	M12 (3XD)		●	THROUGH	10	9	3	37,62	100	●
NB1009C37 1.75ISO A9	1,75	M12 (3XD)		●		10	9	3	37,62	100	●
NBK1010C23 2.0ISO A9	2	M14 (1,5XD)	≥ M18		THROUGH	10	10	3	23	100	●
NB1010C23 2.0ISO A9	2	M14 (1,5XD)	≥ M18			10	10	3	23	76	●
NBK1010C31 2.0ISO A9	2	M14 (2XD)	≥ M18			10	10	3	31	100	●
NBT1010C31 2.0ISO A9	2	M14 (2XD)	≥ M18		RADIAL	10	10	3	31	100	●
NB1010C31 2.0ISO A9	2	M14 (2XD)	≥ M18			10	10	3	31	100	●
NB1010C37 2.0ISO A9	2	M14 (2,5XD)	≥ M18	●		10	10	3	37	100	●
NBK1212D27 2.0ISO A9	2	M16 (1,5XD)	≥ M18		THROUGH	12	12	4	27	100	●
NB1212D27 2.0ISO A9	2	M16 (1,5XD)	≥ M18			12	12	4	27	83	●
NB1212E27 2.0ISO A9	2	M16 (1,5XD)	≥ M18	●		12	12	5	27	83	●
NBK1212D35 2.0ISO A9	2	M16 (2XD)	≥ M18	●	THROUGH	12	12	4	35	100	●
NBT1212D35 2.0ISO A9	2	M16 (2XD)	≥ M18	●	RADIAL	12	12	4	35	100	●
NB1212D35 2.0ISO A9	2	M16 (2XD)	≥ M18	●		12	12	4	35	100	●
NBK1212D43 2.0ISO A9	2	M16 (2,5XD)	≥ M18	●	THROUGH	12	12	4	43	100	●

● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES THREAD MILLS



METRIC DEBURRING THREAD MILLS | NB-ISO

CONTINUED

Thread mill	Pitch	M coarse	M fine	Vibration free	Coolant	d mm	D mm	Flutes	l mm	L mm	Stock
NBK1212C51 2.0ISO A9	2	M16 (3XD)	≥ M18	●	THROUGH	12	12	3	51	100	●
NB1212C51 2.0ISO A9	2	M16 (3XD)	≥ M18	●		12	12	3	51	100	●
NB1616E29 2.0ISO A9	2		≥ M20			16	16	5	29	89	●
NBK1616E39 2.0ISO A9	2		≥ M20	●	THROUGH	16	16	5	39	120	●
NBT1616E39 2.0ISO A9	2		≥ M20	●	RADIAL	16	16	5	39	100	●
NB1616E39 2.0ISO A9	2		≥ M20	●		16	16	5	39	100	●
NB2020F43 2.0ISO A9	2		≥ M24	●		20	20	6	43	100	●
NB2020F57 2.0ISO A9	2		≥ M24			20	20	6	57	120	●
NB1212C31 2.5ISO A9	2,5	M18 (1,5XD)				12	12	3	31,25	100	●
NB1212C38 2.5ISO A9	2,5	M18 (2XD)		●		12	12	3	38,75	100	●
NB1212C48 2.5ISO A9	2,5	M18 (2,5XD)		●		12	12	3	48,75	100	●
NBK1414D33 2.5ISO A9	2,5	M20 (1,5XD)				14	14	4	33,75	100	●
NB1414D33 2.5ISO A9	2,5	M20 (1,5XD)				14	14	4	33,75	89	●
NB1414E33 2.5ISO A9	2,5	M20 (1,5XD)		●		14	14	5	33,75	89	●
NBK1414D43 2.5ISO A9	2,5	M20 (2XD)		●	THROUGH	14	14	4	43,75	100	●
NB1414D43 2.5ISO A9	2,5	M20 (2XD)		●		14	14	4	43,75	100	●
NBK1615D53 2.5ISO A9	2,5	M20 (2,5XD)		●	THROUGH	16	15	4	53,75	120	●
NB1615D53 2.5ISO A9	2,5	M20 (2,5XD)		●		16	15	4	53,75	120	●
NB1615C63 2.5ISO A9	2,5	M20 (3XD)		●		16	15	3	63,75	120	●
NBK1616C40 3.0ISO A9	3	M24 (1,5XD)	≥ M30		THROUGH	16	16	3	40,5	120	●
NB1616C40 3.0ISO A9	3	M24 (1,5XD)	≥ M30			16	16	3	40,5	100	●
NBK1616C52 3.0ISO A9	3	M24 (2XD)	≥ M30	●	THROUGH	16	16	3	52,5	120	●
NB1616C52 3.0ISO A9	3	M24 (2XD)	≥ M30	●		16	16	3	52,5	120	●
NB1818C64 3.0ISO A9	3	M24 (2,5XD)	≥ M30	●		18	18	3	64,5	130	●
NB2020D46 3.0ISO A9	3		≥ M30			20	20	4	46,5	120	●
NB2020D61 3.0ISO A9	3		≥ M30	●		20	20	4	61,5	150	●
NBK2020C50 3.5ISO A9	3,5	M30 (1,5XD)			THROUGH	20	20	3	50,75	150	●
NB2020C50 3.5ISO A9	3,5	M30 (1,5XD)				20	20	3	50,75	120	●
NBK2020C64 3.5ISO A9	3,5	M30 (2XD)		●	THROUGH	20	20	3	64,75	150	●
NB2020C64 3.5ISO A9	3,5	M30 (2XD)		●		20	20	3	64,75	150	●
NB2020C78 3.5ISO A9	3,5	M30 (2,5XD)		●		20	20	3	78,75	150	●
NB2020C58 4.0ISO A9	4	M36 (1,5XD)	≥ M42			20	20	3	58	150	●

● Stock standard, ○ Delivery on request, - Not available.

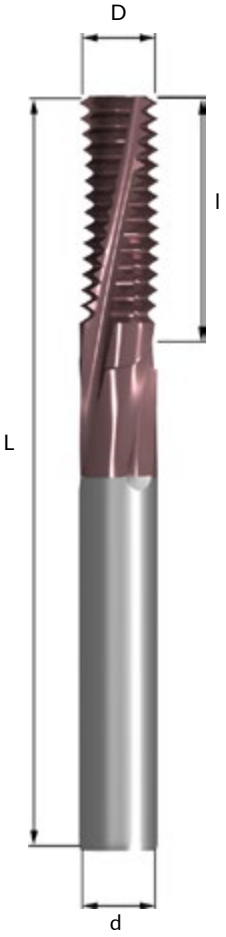
UNIFIED DEBURRING THREAD MILLS | NB-UN

Thread mill	TPI	UNC	UNF	Vibration free	d	D	Flutes	l	L	Stock
NB04017C3 64UN A9	64		UNF NO.2 (1,5XD)		4	1,7	3	3,77	50	●
NB04017C5 64UN A9	64		UNF NO.2 (2XD)		4	1,7	3	4,96	50	●
NB04016C3 56UN A9	56	UNC NO.2 (1,5XD)			4	1,6	3	3,86	50	●
NB04016C5 56UN A9	56	UNC NO.2 (2XD)		●	4	1,6	3	5,22	50	●
NB04019C4 56UN A9	56		UNF NO.3 (1,5XD)		4	1,9	3	4,31	50	●
NB04019C5 56UN A9	56		UNF NO.3 (2XD)		4	1,9	3	5,67	50	●
NB04019C4 48UN A9	48	UNC NO.3 (1,5XD)			4	1,9	3	4,5	50	●
NB04019C5 48UN A9	48	UNC NO.3 (2XD)			4	1,9	3	5,56	50	●
NB04021C5 48UN A9	48		UNF NO.4 (1,5XD)		4	2,1	3	5,03	50	●
NB04021C6 48UN A9	48		UNF NO.4 (2XD)		4	2,1	3	6,61	50	●
NB04024C5 44UN A9	44		UNF NO.5 (1,5XD)		4	2,4	3	5,48	50	●
NB04024C7 44UN A9	44		UNF NO.5 (2XD)		4	2,4	3	7,22	50	●
NB04021C5 40UN A9	40	UNC NO.4 (1,5XD)			4	2,1	3	5,4	50	●
NB04021C6 40UN A9	40	UNC NO.4 (2XD)			4	2,1	3	6,67	50	●
NB04023C5 40UN A9	40	UNC NO.5 (1,5XD)			4	2,3	3	5,4	50	●
NB04023C7 40UN A9	40	UNC NO.5 (2XD)			4	2,3	3	7,3	50	●
NB04023C8 40UN A9	40	UNC NO.5 (2,5XD)		●	4	2,3	3	8,57	50	●
NB04026C6 40UN A9	40		UNF NO.6 (1,5XD)		4	2,6	3	6,03	50	●
NB04026C8 40UN A9	40		UNF NO.6 (2XD)		4	2,6	3	7,94	50	●
NB04031C7 36UN A9	36		UNF NO.8 (1,5XD)		4	3,1	3	7,41	50	●
NB04031C9 36UN A9	36		UNF NO.8 (2XD)		4	3,1	3	9,53	50	●
NB04025C6 32UN A9	32	UNC NO.6 (1,5XD)			4	2,5	3	6,75	50	●
NB04025C8 32UN A9	32	UNC NO.6 (2XD)		●	4	2,5	3	8,33	50	●
NB04025C10 32UN A9	32	UNC NO.6 (2,5XD)		●	4	2,5	3	9,92	50	●
NB0403C7 32UN A9	32	UNC NO.8 (1,5XD)			4	3	3	7,54	50	●

● Stock standard, ○ Delivery on request, - Not available.

CONTINUES

TABLES THREAD MILLS



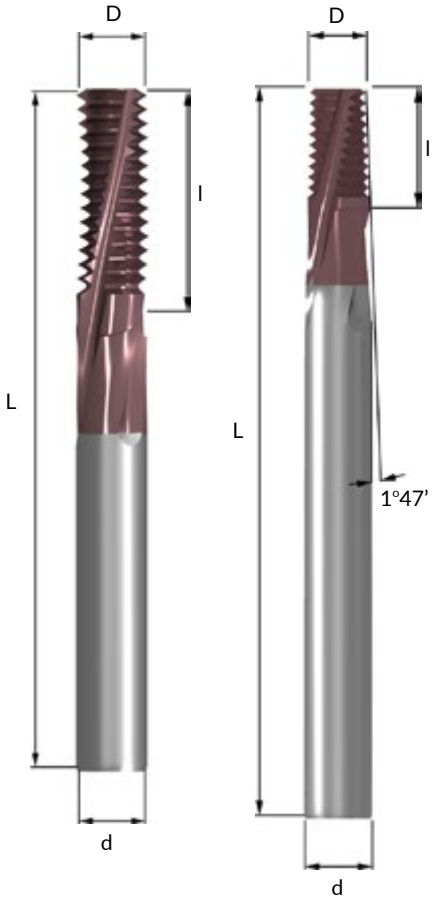
UNIFIED DEBURRING THREAD MILLS | NB-UN

CONTINUED

Thread mill	TPI	UNC	UNF	Vibration free	d	D	Flutes	l	L	Stock
NB0403C9 32UN A9	32	UNC NO.8 (2XD)			4	3	3	9,13	50	●
NB0403C11 32UN A9	32	UNC NO.8 (2,5XD)		●	4	3	3	11,51	50	●
NB04036C8 32UN A9	32		UNF NO.10 (1,5XD)		4	3,6	3	8,33	50	●
NB04036C10 32UN A9	32		UNF NO.10 (2XD)		4	3,6	3	10,72	50	●
NB0606D13 32UN A9	32				6	6	4	13,1	63	●
NB0404C9 28UN A9	28		UNF NO.12 (1,5XD)		4	4	3	9,52	50	●
NB0404C12 28UN A9	28		UNF NO.12 (2XD)		4	4	3	12,25	50	●
NB0605C10 28UN A9	28		UNF 1/4 (1,5XD)		6	5	3	10,43	63	●
NB0605C14 28UN A9	28		UNF 1/4 (2XD)		6	5	3	14,06	63	●
NB0808D17 28UN A9	28				8	8	4	17,69	63	●
NB04036C9 24UN A9	24	UNC NO.10 (1,5XD)			4	3,6	3	9	50	●
NB04036C11 24UN A9	24	UNC NO.10 (2XD)			4	3,6	3	11,11	50	●
NB04036C13 24UN A9	24	UNC NO.10 (2,5XD)		●	4	3,6	3	13,23	50	●
NB0404C10 24UN A9	24	UNC NO.12 (1,5XD)			4	4	3	10,05	50	●
NB0404C12 24UN A9	24	UNC NO.12 (2XD)			4	4	3	12,17	50	●
NB0404C15 24UN A9	24	UNC NO.12 (2,5XD)		●	4	4	3	15,35	50	●
NB0606C13 24UN A9	24		UNF 5/16 (1,5XD)		6	6	3	13,23	63	●
NB0606C17 24UN A9	24		UNF 5/16 (2XD)		6	6	3	17,46	63	●
NB08076C15 24UN A9	24		UNF 3/8 (1,5XD)		8	7,6	3	15,35	63	●
NB08076C20 24UN A9	24		UNF 3/8 (2XD)		8	7,6	3	20,64	76	●
NB06045C10 20UN A9	20	UNC 1/4 (1,5XD)			6	4,5	3	10,8	63	●
NB06045C14 20UN A9	20	UNC 1/4 (2XD)		●	6	4,5	3	14,6	63	●
NB06045C17 20UN A9	20	UNC 1/4 (2,5XD)		●	6	4,5	3	17,15	63	●
NB0808C18 20UN A9	20		UNF 7/16 (1,5XD)		8	8	3	18,41	63	●
NB0808C23 20UN A9	20		UNF 7/16 (2XD)		8	8	3	23,5	76	●
NB1010D21 20UN A9	20		UNF 1/2 (1,5XD)		10	10	4	20,96	76	●
NB1010D27 20UN A9	20		UNF 1/2 (2XD)	●	10	10	4	27,31	76	●
NB1212E28 20UN A9	20			●	12	12	5	28,57	83	●
NB06058C13 18UN A9	18	UNC 5/16 (1,5XD)			6	5,8	3	13,41	63	●
NB06058C17 18UN A9	18	UNC 5/16 (2XD)			6	5,8	3	17,64	63	●
NB06058C21 18UN A9	18	UNC 5/16 (2,5XD)		●	6	5,8	3	21,87	63	●
NB1010D23 18UN A9	18		UNF 9/16 (1,5XD)		10	10	4	23,28	76	●
NB1010D30 18UN A9	18		UNF 9/16 (2XD)	●	10	10	4	30,34	100	●
NB1212D26 18UN A9	18		UNF 5/8 (1,5XD)		12	12	4	26,11	83	●
NB1212D33 18UN A9	18		UNF 5/8 (2XD)	●	12	12	4	33,16	100	●
NB0606C16 16UN A9	16	UNC 3/8 (1,5XD)			6	6	3	16,67	63	●
NB0606C21 16UN A9	16	UNC 3/8 (2XD)		●	6	6	3	21,43	63	●
NB0807C26 16UN A9	16	UNC 3/8 (2,5XD)		●	8	7	3	26,19	76	●
NB1212D31 16UN A9	16	UNF 3/4 (1,5XD)		●	12	12	4	30,96	100	●
NB1212D40 16UN A9	16	UNF 3/4 (2XD)		●	12	12	4	40,48	100	●
NB1616E35 16UN A9	16			●	16	16	5	35,72	100	●
NB0808C19 14UN A9	14	UNC 7/16 (1,5XD)			8	8	3	19,05	63	●
NB0808C24 14UN A9	14	UNC 7/16 (2XD)			8	8	3	24,49	76	●
NB0808C30 14UN A9	14	UNC 7/16 (2,5XD)		●	8	8	3	29,94	76	●
NB1616E35 14UN A9	14		UNF 7/8 (1,5XD)	●	16	16	5	35,38	100	●
NB1616E46 14UN A9	14		UNF 7/8 (2XD)	●	16	16	5	46,26	120	●
NB0808C22 13UN A9	13	UNC 1/2 (1,5XD)			8	8	3	22,47	76	●
NB0808C28 13UN A9	13	UNC 1/2 (2XD)		●	8	8	3	28,33	76	●
NB10093C34 13UN A9	13	UNC 1/2 (2,5XD)		●	10	9,3	3	34,19	100	●
NB1010C24 12UN A9	12	UNC 9/16 (1,5XD)			10	10	3	24,34	76	●
NB1010C30 12UN A9	12	UNC 9/16 (2XD)			10	10	3	30,69	100	●
NB1616E43 12UN A9	12			●	16	16	5	43,39	100	●
NB1010C26 11UN A9	11	UNC 5/8 (1,5XD)			10	10	3	26,55	76	●
NB1010C35 11UN A9	11	UNC 5/8 (2XD)		●	10	10	3	35,79	100	●
NB12117C42 11UN A9	11	UNC 5/8 (2,5XD)		●	12	11,7	3	42,72	100	●
NB1212C31 10UN A9	10	UNC 3/4 (1,5XD)			12	12	3	31,75	100	●
NB1212C41 10UN A9	10	UNC 3/4 (2XD)		●	12	12	3	41,91	100	●
NB1616C38 9UN A9	9	UNC 7/8 (1,5XD)			16	16	3	38,1	100	●
NB1616C49 9UN A9	9	UNC 7/8 (2XD)			16	16	3	49,39	120	●
NB1616C42 8UN A9	8	UNC 1 (1,5XD)			16	16	3	42,86	100	●
NB1616C55 8UN A9	8	UNC 1 (2XD)		●	16	16	3	55,56	120	●
NB2020D49 8UN A9	8			●	20	20	4	49,21	120	●
NB2020C52 7UN A9	7	UNC 1 1/8 - 1 1/4 (1,5XD)			20	20	3	52,61	120	●
NB2525C61 6UN A9	6	UNC 1 3/8 - 1 1/2 (1,5XD)			25	25	3	61,38	130	●

● Stock standard, ○ Delivery on request, - Not available.

TABLES THREAD MILLS

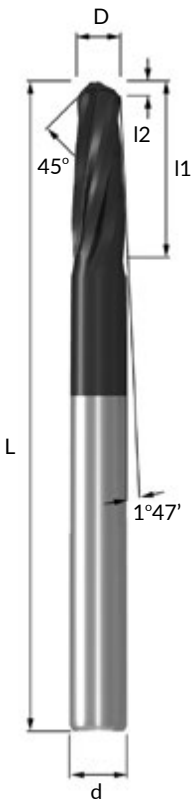


DEBURRING PIPE THREAD MILLS | XB

Thread mill	Standard	TPI	Norm	Vibration free	d	D	Flutes	l	L	Radial coolant	Stock
XB0606C10 28BSPT A9	BSPT	28	RC 1/8		6	6	3	10,43	63		●
XB0808D14 28BSPT A9	BSPT	28	RC 1/8		8	8	4	14,06	63		●
XB0808C15 19BSPT A9	BSPT	19	RC 1/4 - 3/8		8	8	3	15,37	63		●
XB1010D22 19BSPT A9	BSPT	19	RC 1/4 - 3/8		10	10	4	22,06	76		●
XB1212D20 14BSPT A9	BSPT	14	RC 1/2 - 7/8		12	12	4	20,86	83		●
XB1616D31 11BSPT A9	BSPT	11	RC 1 - 2"		16	16	4	31,17	89		●
XB0606C10 27NPT A9	NPT	27	1/16 - 1/8		6	6	3	10,82	63		●
XB0606F10 27NPT A9	NPT	27	1/16 - 1/8	●	6	6	6	10,82	63		●
XB0808C16 18NPT A9	NPT	18	1/4 - 3/8		8	8	3	16,23	63		●
XB0808F16 18NPT A9	NPT	18	1/4 - 3/8	●	8	8	6	16,23	63		●
XB1010D16 18NPT A9	NPT	18	1/4 - 3/8		10	10	4	16,23	76		●
XB1212D22 14NPT A9	NPT	14	1/2 - 3/4		12	12	4	22,68	83		●
XB1212F22 14NPT A9	NPT	14	1/2 - 3/4	●	12	12	6	22,68	83		●
XB1616E22 14NPT A9	NPT	14	3/4		16	16	5	22,68	89		●
XB1616D29 11.5NPT A9	NPT	11,5	1 - 2"		16	16	4	29,82	89		●
XB1616F29 11.5NPT A9	NPT	11,5	1 - 2"	●	16	16	6	29,82	89		●
XB2020D42 8NPT A9	NPT	8	≥ 2 1/2		20	20	4	42,86	100		●
XB0606C10 27NPTF A9	NPTF	27	1/16 - 1/8		6	6	3	10,82	63		●
XB0606C12 27NPSF A9	NPTF	27	1/16 - 1/8		6	6	3	12,7	63		●
XB0808C16 18NPTF A9	NPTF	18	1/4 - 3/8		8	8	3	16,23	63		●
XB0808C16 18NPSF A9	NPTF	18	1/4 - 3/8		8	8	3	16,23	63		●
XB1212D22 14NPTF A9	NPTF	14	1/2 - 3/4		12	12	4	22,68	83		●
XB1212D22 14NPSF A9	NPTF	14	1/2 - 3/4		12	12	4	22,68	83		●
XB1616D29 11.5NPTF A9	NPTF	11,5	1 - 2"		16	16	4	29,82	89		●
XB1616D29 11.5NPSF A9	NPTF	11,5	1"		16	16	4	29,82	89		●
XB2020D42 8NPTF A9	NPTF	8	≥ 2 1/2		20	20	4	42,86	100		●
XB0808C21 20PG A9	PG	20	PG 7		8	8	3	20,96	63		●
XB1010C27 18PG A9	PG	18	PG 9 - 16		10	10	3	27,52	76		●
XB1212D31 16PG A9	PG	16	PG 21- 48	●	12	12	4	30,96	83		●
XB0606C10 28W A9	W	28	G 1/16 - 1/8		6	6	3	10,43	63		●
XB0606F10 28W A9	W	28	G 1/8	●	6	6	6	10,43	63		●
XBT0606C10 28W A9	W	28	G 1/8		6	6	3	10,43	76	●	●
XB0808D14 28W A9	W	28	G 1/8		8	8	4	14,06	63		●
XB0808G14 28W A9	W	28	G 1/8	●	8	8	7	14,06	63		●
XB0808C15 19W A9	W	19	G 1/4 - 3/8		8	8	3	15,37	63		●
XB0808F15 19W A9	W	19	G 1/4 - 3/8	●	8	8	6	15,37	63		●
XB1010D22 19W A9	W	19	G 1/4 - 3/8		10	10	4	22,06	76		●
XB1010F22 19W A9	W	19	G 1/4 - 3/8	●	10	10	6	22,06	76		●
XBT1010D22 19W A9	W	19	G 1/4 - 3/8		10	10	4	22,06	100	●	●
XB1212D20 14W A9	W	14	G 1/2 - 7/8		12	12	4	20,86	83		●
XB1212G20 14W A9	W	14	G 1/2 - 7/8	●	12	12	7	20,86	83		●
XB1212D28 14W A9	W	14	G 1/2 - 7/8		12	12	4	28,12	83		●
XBT1212D28 14W A9	W	14	G 1/2 - 7/8		12	12	4	28,12	100	●	●
XB1616E28 14W A9	W	14	G 1/2 - 7/8		16	16	5	28,12	89		●
XB1616G28 14W A9	W	14	G 1/2 - 7/8	●	16	16	7	28,12	89		●
XB1212C26 11W A9	W	11	G 1 - 1 1/2		12	12	3	26,55	83		●
XB1212E26 11W A9	W	11	G 1 - 1 1/2	●	12	12	5	26,55	83		●
XB1616D40 11W A9	W	11	G 1 - 3"	●	16	16	4	40,41	100		●
XBT1616D40 11W A9	W	11	G 1 - 3"	●	16	16	4	40,41	100	●	●
XB2020E49 11W A9	W	11	G ≥ 1	●	20	20	5	49,65	120		●

● Stock standard, ○ Delivery on request, - Not available.

TABLES THREAD MILLS



NPT FORM END MILLS | NPT

Thread mill	Standard	D	d	Cutting edges	l1	l2	L	Stock
NPT0605D16 F9	NPT/NPTF	6	5	4	16	1	64	●
NPT10085D24 F9	NPT/NPTF	10	8,5	4	24	1,5	76	●
NPT1614D32 F9	NPT/NPTF	16	14	4	32	2	100	●
NPT2017D48 F9	NPT/NPTF	20	17	4	48	3	120	●

● Stock standard, ○ Delivery on request, - Not available.

ONLINE

THREAD-MILLING SOFTWARE AID

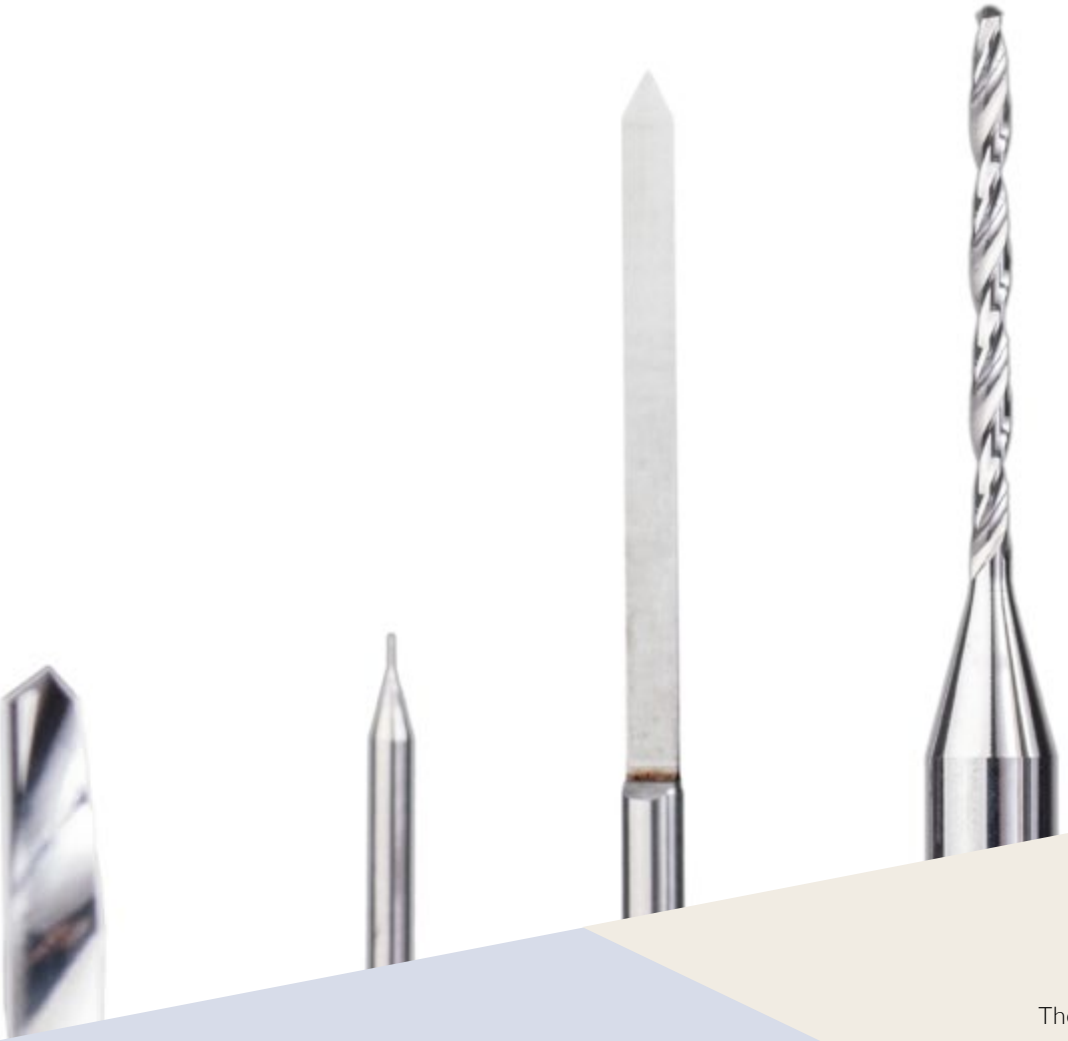
WhizCut provides a free software tool to support customers with programming thread-milling operations in CNC machines. The WhizThrill programming aid is designed to be intuitive, guiding you to the correct CNC code for your application.

Access WhizCut's free WhizThrill software to simplify CNC thread-milling programming. Scan the QR code for the latest version and updates, on our website.



WHIZDRILL

WhizDrill custom made micro drills are designed for high-precision machining of small parts They shine in industries like medical, automotive, and aerospace. Tailored to your exact needs, WhizDrill ensures every hole is spot on, every time.



MICRO DRILLS

The right micro drill is not optional, it is essential for top results. WhizCut tailor each drill to your exact specifications.

TOOLS

DRILL LIKE A PRO

In micro drilling, a responsive drill bit is the key to success. WhizCut sets a new standard with WhizDrill—custom-made micro drills engineered for specific applications. Success starts with the right materials, carefully ground to the exact diameter, length, point angle, and helix angle. Every detail matters.



- **COOLANT THROUGH**
  Cooling-optimized options available.
- **PREMIUM MATERIALS**
  Sub-micron carbide with ultra-smooth coatings for less wear and cleaner chip flow.
- **NEW GUN DRILL TYPE**
  WhizDrill delivers exceptional tolerances.

TECHNICAL

EXCEPTIONAL TOLERANCES

SUCCESSFUL MICRO DRILLING WITH HIGH PERFORMANCE

WhizDrill delivers tight tolerances: manufactured down to h3 for superior precision. Available in 0,001 mm diameter increment steps with fully customizable specifications.

- Diameter range: From 0,05 mm (.002") to 3,175 mm (1/8").
- Ta-C diamond coating: Ideal for aluminum applications.
- Extra edge sharpness with premium coating.

WHIZGUIDE

SELECT THE PERFECT MICRO DRILL

1 ORDER THE CORRECT DRILL BIT

- All WhizDrills can be ordered for every 0,001 mm in diameter, with a range of different specifications.

2 CONVERSION CHART

- Have a look at the two examples and use the conversion chart to order the correct drill for you.

3 SPECIFY DETAILS

- Details to specify when you order: right or left hand, helix angle, point angle. The drills have h6 tolerance, unless otherwise specified.

4 CONTACT US

- Please contact your WhizCut representative if you need assistance to choose the correct drill bit.

DRILL	TYPE	RIGHT/LEFT HAND	DRILL D	HELIX ANGLE	POINT ANGLE	SHANK D MM	CUTTING LENGTH MM	O.V.A LENGTH MM	GRADE
D	*	*	*,**	*	*	*,*	*	**	**
D	C	R	0,58	E	D	3,0	7	38	B9
D	B	R	0,10	F	F	1,5	1	30	B9

NAME	DRILL TYPE
A	1-FLUTE TWIST DRILL WITH REINFORCED SHANK
B	2-FLUTE TWIST DRILL WITH REINFORCED SHANK
BA	2-FLUTE SELF CENTRING TWIST DRILL WITH REINFORCED SHANK
BC	2-FLUTE COOLANT THROUGH TWIST DRILL, REINFORCED SHANK
C	3-FLUTE TWIST DRILL WITH REINFORCED SHANK
D	2-FLUTE TWIST DRILL
E	2-FLUTE STEP TWIST DRILL
F	SPADE DRILL
G	CENTRE DRILL
H	CENTRE DRILL LONG
I	HALF ROUND DRILL
J	1,2,3 STEP HALF ROUND DRILL
K	DOUBLE COUNTERSINK DRILL

NAME	HELIX ANGLE°
A	0
B	15
C	20
D	24
E	30
F	35
G	38

NAME	POINT ANGLE°
A	90
B	100
C	110
D	118
E	120
F	130
G	140

GRADE
B9
F9
P9
T9

ONLINE

FIND MY DRILL

Scan the QR code to select the right drill with the online WhizDrill drill selector at whizcut.com.



TECHNICAL

- **GEOMETRY AND SIZE OPTIONS**
  All drills are available in any geometry and sizes up to 3,17 mm.
- **PRECISION TOLERANCES**
  Standard diameter tolerance is h6; other tolerances available upon request.
- **MINIMUM DRILL SIZE**
  - 0,05 mm = style B
  - 0,10 mm = style E, G, H, I, J, K
  - 0,50 mm = style A, BA, BC, C, F

PRODUCTS DRILLS

CARBIDE 1-FLUTE TWIST DRILL WITH REINFORCED SHANK | A

The large flute gives plenty of room for chip evacuation. Suitable for titanium, and other hard materials.



CARBIDE 2-FLUTE TWIST DRILLS WITH REINFORCED SHANK | B

CARBIDE 2-FLUTE SELF CENTRING TWIST DRILL WITH REINFORCED SHANK | BA

CARBIDE 2-FLUTE COOLANT THROUGH TWIST DRILL WITH REINFORCED SHANK | BC

Good overall drill. Type that depends more on the application than the actual material. Suitable for most materials.

- Style BA is ideal for high heat and better chip evacuation. It removes the need for a reamer and improves hole positioning.



CARBIDE 3-FLUTE TWIST DRILL WITH REINFORCED SHANK | C

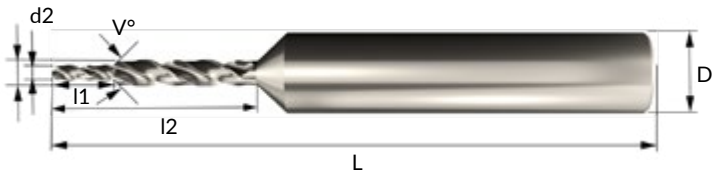
Drills with tight tolerances, eliminating the need for a reamer. Often no center drill required. For tough stainless steels and medical alloys such as 316 and MP35.



PRODUCTS DRILLS

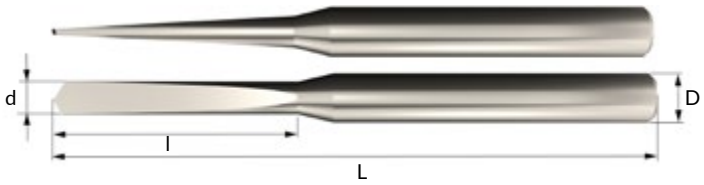
CARBIDE 2-FLUTE MULTIPLE STEP TWIST DRILL WITH REINFORCED SHANK | E

For special applications where cycle time, hole quality, and concentricity are critical. Suitable for most materials.



CARBIDE SPADE DRILL | F

Commonly used in watchmaking. Ideal for softer materials and short holes.



CARBIDE CENTRE DRILL | STYLE G

CARBIDE CENTRE DRILL, LONG | H

A major advantage is selecting the helix and point angle to match each application. Center drills are suitable for all materials.



GUN DRILL HALF ROUND DRILLS | I

Half-round drills for perfect precision. Trusted in watchmaking and medical fields. Ideal for exotic alloys, copper, and powdered materials.



NEWS

CARBIDE 1, 2, 3 STEP GUN DRILL HALF ROUND | J

For applications requiring high concentricity; identical to Style I.



CARBIDE DOUBLE COUNTERSINK DRILLS | K

Use when high concentricity is required; equivalent to Style I.





NOTES



WHIZHIP

WhizHip is a high-pressure coolant connection system that is quick, adjustable, and easy to use. As part of WhizCut's CNC machine accessories, it ensures maximum coolant flow from machine to holder, allowing for fast and effortless connections.



COOLANT CONNECTIONS

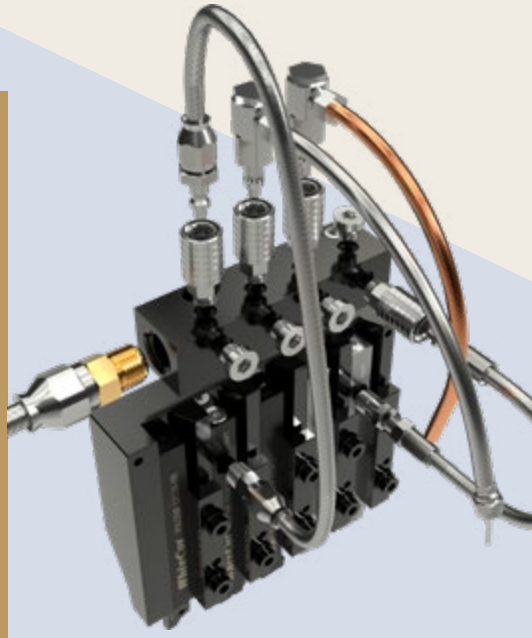
A connection system, designed to maximize coolant flow from machine to holder.

ACCESSORIES

CONNECT YOUR COOLANT

WhizHip is the smart, high-pressure coolant connection system designed for speed, flexibility, and precision. With quick-change couplings, adjustable nozzles, and durable, heat-resistant hoses, it ensures maximum coolant flow from machine to holder.

- **FLEXIBLE BY DESIGN**
  Durable stainless-steel braided hoses that bend easily, with quick-change couplings and adjustable nozzles for easy positioning.
- **BUILT FOR HEAT**
  Engineered to withstand the intense heat from hot chips during high-performance machining.
- **FAST AND HASSLE-FREE**
  Connect hoses fast using quick-change couplings. No extra tools required.



TECHNICAL

HIGH PRESSURE CONNECTIONS

OPTIMIZED CONNECTIONS FOR MAXIMUM PERFORMANCE

WhizHip is a high-pressure coolant distribution system, engineered to handle pressures up to 250 bar. Offering flexible setup and quick tool changes. By delivering precise coolant flow directly through the tool holder, WhizHip ensures stable processes, fewer machine interruptions, and significantly shorter cycle times. Available in two configurations: **WhizHip Octo** for larger setups and **WhizHip Mini** for compact applications.

Hoses: you can choose from **Octo premium**, which is a thread assembled, flexible hose and **Octo**, which is a crimped, flexible hose.

HIGH PRESSURE ADVANTAGE

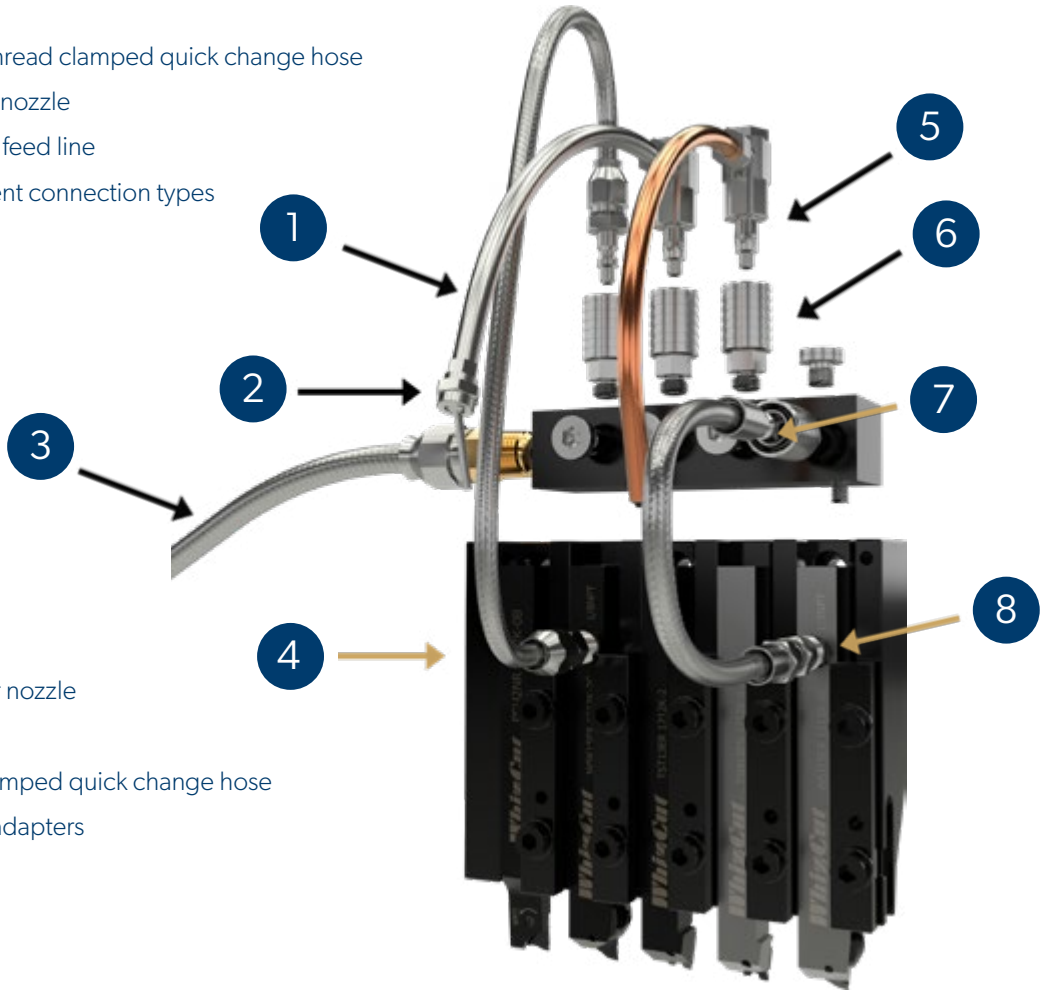
- PRECISE
  Coolant exits as targeted high-pressure jets.
- CHIP CONTROL
  Concentrated flow breaks and manages chips.
- READY
  WhizHip and WhizIn holders support internal coolant.

WHIZGUIDE

VARIOUS SETUP OPTIONS

1

1. Octo premium thread clamped quick change hose
2. Adjustable steel nozzle
3. Inlet connection feed line
4. Choice of different connection types



5. Flexible copper nozzle
6. Coupling
7. Octo regular crimped quick change hose
8. Wide range of adapters

TABLES CONNECTIONS

WHIZHIP



Octo premium (A)



Octo premium (B) - angled connection



Octo (C)



Mini hose (D)

HOSES | WH

Hose	System	Connector 1	Connector 2	Length mm	Thread adapter	Wrench	Image
WH103375	OCTO PREMIUM	M8X1 ET	WO NIPPLE	100	M10X1, G1/8	SW 11+13	A
WH102686	OCTO PREMIUM	M8X1 ET	WO NIPPLE	200	M10X1, G1/8	SW 11+13	A
WH101991	OCTO PREMIUM	M8X1 ET	WO NIPPLE	300	M10X1, G1/8	SW 11+13	A
WH102223	OCTO PREMIUM	M8X1 ET	WO NIPPLE	100-280	M10X1, G1/8	SW 11+13	A
WH102039	OCTO PREMIUM	M8X1 ET	WO NIPPLE	320-1000	M10X1, G1/8	SW 11+13	A
WH103375U	OCTO PREMIUM	M8X1 ET	WO NIPPLE	100	M10X1, 1/8" NPT	SW 11+13	A
WH102686U	OCTO PREMIUM	M8X1 ET	WO NIPPLE	200	M10X1, 1/8" NPT	SW 11+13	A
WH101991U	OCTO PREMIUM	M8X1 ET	WO NIPPLE	300	M10X1, 1/8" NPT	SW 11+13	A
WH103449	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	100	M8X1, M10X1, G1/8	SW 13+14	B
WH103448	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	200	M8X1, M10X1, G1/8	SW 13+14	B
WH101992	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	300	M8X1, M10X1, G1/8	SW 13+14	B
WH102247	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	100-280	M8X1, M10X1, G1/8	SW 13+14	B
WH102043	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	320-1000	M8X1, M10X1, G1/8	SW 13+14	B
WH103451	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	100	M8X1, 1/8" NPT	SW 13+14	B
WH103450	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	200	M8X1, 1/8" NPT	SW 13+14	B
WH102182	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	300	M8X1, 1/8" NPT	SW 13+14	B
WH102607	OCTO PREMIUM	ANGLED M8X1 ET	WO NIPPLE	100-280	M8X1, 1/8" NPT	SW 13+14	B
WH102608	OCTO PREMIUM	ANGLED M8X1	WO NIPPLE	320-1000	M8X1, 1/8" NPT	SW 13+14	B
WH103431	OCTO PREMIUM	WO NIPPLE	WO NIPPLE	100-280	-	-	A
WH103432	OCTO PREMIUM	WO NIPPLE	WO NIPPLE	320-1000	-	-	A
WH102586	OCTO PREMIUM	WO NIPPLE	WO NIPPLE	150	-	-	A
WH103376	OCTO PREMIUM	1/8" NPT ET	WO NIPPLE	100	-	SW 11+13	A
WH102938	OCTO PREMIUM	1/8" NPT ET	WO NIPPLE	200	-	SW 11+13	A
WH102186	OCTO PREMIUM	1/8" NPT ET	WO NIPPLE	300	-	SW 11+13	A
WH104184	OCTO	M8X1 ET	WO NIPPLE	300	-	SW 11	C
WH104239	OCTO	M8X1 ET	WO NIPPLE	400	-	SW 11	C
WH104240	OCTO	M8X1 ET	WO NIPPLE	500	-	SW 11	C
WH104241	OCTO	M8X1 ET	WO NIPPLE	100-1000	-	SW 11	C
WH104186	OCTO	M8X1 ET	M8X1 ET	300	-	SW 11	C
WH104242	OCTO	M8X1 ET	M8X1 ET	400	-	SW 11	C
WH104243	OCTO	M8X1 ET	M8X1 ET	500	-	SW 11	C
WH104244	OCTO	M8X1 ET	M8X1 ET	100-1000	-	SW 11	C
WH104421	OCTO	WO NIPPLE	WO NIPPLE	100-1000	-	SW 11	C
WH104273	MINI	M5 ET	WM NIPPLE	100	-	SW 7	D
WH104281	MINI	M5 ET	WM NIPPLE	200	-	SW 7	D
WH104204	MINI	M5 ET	WM NIPPLE	300	-	SW 7	D
WH104215	MINI	M5 ET	WM NIPPLE	400	-	SW 7	D
WH104216	MINI	M5 ET	WM NIPPLE	500	-	SW 7	D
WH104217	MINI	M5 ET	WM NIPPLE	100-1000	-	SW 7	D
WH104282	MINI	M5 ET	M5 ET	100	-	SW 7	D
WH104284	MINI	M5 ET	M5 ET	200	-	SW 7	D
WH104205	MINI	M5 ET	M5 ET	300	-	SW 7	D
WH104218	MINI	M5 ET	M5 ET	400	-	SW 7	D
WH104219	MINI	M5 ET	M5 ET	500	-	SW 7	D
WH104213	MINI	M5 ET	M5 ET	100-1000	-	SW 7	D
WH104214	MINI	WM NIPPLE	WM NIPPLE	100-1000	-	-	D
WH104065	MINI	ANGLED M5 ET	WM NIPPLE	300	M6, G1/8	SW 7+8+10	D
WH104190	MINI	ANGLED M5 ET	WM NIPPLE	400	M6, G1/8	SW 7+8+10	D
WH104191	MINI	ANGLED M5 ET	WM NIPPLE	500	M6, G1/8	SW 7+8+10	D
WH104192	MINI	ANGLED M5 ET	WM NIPPLE	100-1000	M6, G1/8	SW 7+8+10	D

● All items are stock standard.

TABLES CONNECTIONS



Coupling straight (A)



Angled coupling (B)



Internal coupling (C)

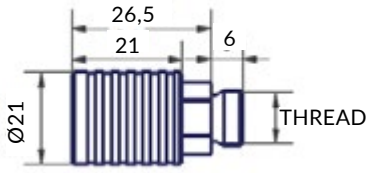


Coupling + nipple (D)

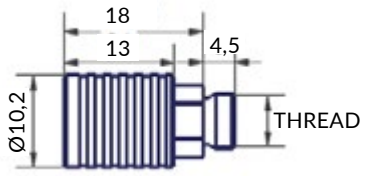


Coupling (E)

WhizHip OCTO



WhizHip MINI



COUPLINGS | WH

Coupling	System	Straight/Angled	Thread	Plug	Image
WH101994	OCTO PREMIUM	STRAIGHT	G1/8	●	A
WH101995	OCTO PREMIUM	STRAIGHT	M10X1	●	A
WH102184	OCTO PREMIUM	STRAIGHT	1/8" NPT	●	A
WH103428	OCTO PREMIUM	STRAIGHT	AN/JIC4	●	E
WH102498	OCTO PREMIUM	ANGLED	M8X1	●	B
WH102654	OCTO PREMIUM	ANGLED	G1/8	●	B
WH103560	OCTO PREMIUM	ANGLED	1/8" NPT	●	B
WH102038	OCTO PREMIUM	STRAIGHT	M8X1 + 102042	●	D
WH103729	OCTO PREMIUM	STRAIGHT	M8X1 IT	●	C
WH103947	MINI	STRAIGHT	M5	●	A
WH104067	MINI	ANGLED	M5	●	B
WH104234	OCTO	STRAIGHT	M8X1	-	A
WH104183	OCTO	STRAIGHT	G1/8	-	A
WH104235	OCTO	STRAIGHT	M10X1	-	A
WH104236	OCTO	STRAIGHT	1/8" NPT	-	A
WH104237	OCTO	STRAIGHT	AN/JIC4	-	E
WH104234 + SEE ADAPTERS/BANJO BOLTS	OCTO	ANGLED	M8X1	-	B
WH104234 + SEE ADAPTERS/BANJO BOLTS	OCTO	ANGLED	G1/8	-	B
WH104234 + SEE ADAPTERS/BANJO BOLTS	OCTO	ANGLED	1/8" NPT	-	B
WH104234 + SEE NIPPLES	OCTO	STRAIGHT	M8X1 + 102042	-	D
WH104238	OCTO	STRAIGHT	M8X1 IT	-	C
WH104203	MINI	STRAIGHT	M5	-	A

● All items are stock standard

WO – WhizHip Octo, WM – WhizHip Mini, ET – External thread, IT – Internal thread

TABLES CONNECTIONS



Thread adapter (A)



Nipple/Thread adapter (B)



Thread adapter (C)



Nipple/Thread adapter (D)

ADAPTERS & NIPPLES | WH

Part number	Connector 1	Connector 2	Wrench	Description	Image
WH101918	WO NIPPLE ANTI-TURN	G1/8 IT	SW 11	NIPPLE/THREAD ADAPTER	D
WH101979	M10X1 ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH101980	G1/8 ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH102042	WO NIPPLE	M8X1 IT	SW 11	NIPPLE/THREAD ADAPTER	B
WH102188	1/8" NPT ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH102292	G1/4 ET	G1/8 IT	SW 17	THREAD ADAPTER	A
WH102434	M6 ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH102435	M5 ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH102453	M6 ET	M5 IT	SW 8	THREAD ADAPTER	A
WH102454	M8X1 ET	M5 IT	SW 8	THREAD ADAPTER	A
WH102585	M8X1 ET	M8X1 IT Ø9,5	SW 11	THREAD ADAPTER	A
WH102601	WO NIPPLE	M5 IT	SW 11	NIPPLE/THREAD ADAPTER	B
WH102602	WO NIPPLE	1/4" NPT IT	SW 11	NIPPLE/THREAD ADAPTER	B
WH102683	WO NIPPLE	M8X1 ET	SW 11	NIPPLE/THREAD ADAPTER	B
WH102685	WO NIPPLE	1/8" NPT IT	SW 11	NIPPLE/THREAD ADAPTER	B
WH102848	G1/8 ET	M5 IT	SW 8	THREAD ADAPTER	A
WH102864	M8 ET	M8X1 IT	SW 11	THREAD ADAPTER	A
WH102913	WO NIPPLE	7/16" UNF IT	SW 11	NIPPLE/THREAD ADAPTER	B
WH102914	7/16"-20 UNF ET	G1/8 IT	SW 11	THREAD ADAPTER	A
WH102915	M12 ET	M8X1 IT	SW 14	THREAD ADAPTER	A
WH102928	COLLET ER16	G1/8 IT	-	THREAD ADAPTER	C
WH102931	G1/2 ET	G1/4 BRASS IT	SW 24	THREAD ADAPTER	A
WH102932	G1/2 ET	M16X1,5 BRASS IT	SW 27	THREAD ADAPTER	A
WH102940	1/16" NPT ET	M5 IT	SW 8	THREAD ADAPTER	A
WH103500	M12 ET	M8X1 IT	SW 14	THREAD ADAPTER	A
WH104189	WM NIPPLE	M5 IT	SW 10	NIPPLE/THREAD ADAPTER	B
WH202188	1/8" NPT ET	M5 IT	SW 11	THREAD ADAPTER	A

● All items are stock standard

WO – WhizHip Octo, WM – WhizHip Mini, ET – External thread, IT – Internal thread

TABLES CONNECTIONS



Angled fitting (A)



Banjo bolt (B)



Plug (C)



Compression ring (D)

BANJO PLUGS AND ACCESSORIES | WH

Part number	System	Description	Image
WH102475	OCTO	ANGLED FITTING FOR BANJO BOLT. M8X1 IT/10,5Ø	A
WH101978	OCTO	BANJO BOLT Ø10,5 M8X1 ET	B
WH103767	OCTO	BANJO BOLT Ø10,5 5/16"-24 UNJF ET	B
WH101919	OCTO	PLUG, WO NIPPLE	C
WH103952	MINI	SEAL PLUG, WM NIPPLE	C
WH102855	MINI	ANGLED FITTING FOR BANJO BOLT. M5 IT/6Ø	A
WH102856	MINI	BANJO BOLT Ø6 M5 ET	B
WH102751	OCTO	COMPRESSION RING Ø4 FOR 102529 & 102625	D

● All items are stock standard



INLET CONNECTION FEED LINES | WH

Part number	Product name	Additional information
WH101961	CONNECTION FEED LINE, FLEX-TUBE, 300 MM	ND 5, TUBE STAINLESS STEEL, OUTSIDE END G1/4", PIPE END
WH102166	CONNECTION FEED LINE, FLEX-TUBE, UP TO 1000 MM	ND 5, TUBE STAINLESS STEEL, OUTSIDE THREAD G1/4", PIPE END
WH102190	NPT CONNECTION FEED LINE, FLEX-TUBE, 300 MM	ND 5, TUBE STAINLESS STEEL, OUTSIDE THREAD 1/4"NPT, PIPE END
WH102609	NPT CONNECTION FEED LINE, FLEX-TUBE, UP TO 1000 MM	ND 5, TUBE STAINLESS STEEL, OUTSIDE THREAD 1/4"NPT, PIPE END

● All items are stock standard

TABLES CONNECTIONS



Manifold 5-way (A)



Manifold 4-way (B)

2 couplings included



Manifold 5-way (C)

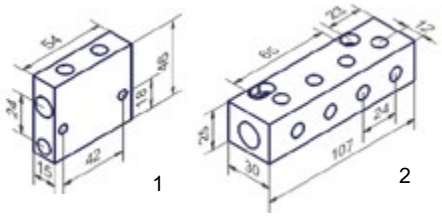


Manifold 8-way (D)

3 couplings included



Manifold 3-way (E)



MANIFOLDS | WH

Manifold	Type	Outlet	Inlet to coolant system	Connection/fastening	Coupling	Image
WH101990	BLOCK	5X G1/8 IT	G1/4 IT	2XSCREWS M5		A
WH102221	BLOCK	5X 1/8" NPT IT	1/4" NPT IT	2XSCREWS M5		A
WH102533	BLOCK	4X G1/8 IT	G1/8 IT	1XSCREW M5		B
WH103529	BLOCK	5X G1/8 IT	Ø8	INCOMING HOSE	2	C
WH103530	BLOCK	5X 1/8" NPT IT	Ø8	INCOMING HOSE	2	C
WH101997	BLOCK	8X G1/8 IT	G3/8 IT	2XSCREWS M5		D
WH102220	BLOCK	8X 1/8" NPT IT	3/8" NPT IT	2XSCREWS M5		D
WH102440	CYLINDRICAL	3X COUPLINGS	Ø8	INCOMING HOSE	3	E

● All items are stock standard



Copper nozzle (A)



Adjustable tip (B)



Adjustable tip, straight (C)

NOZZLES | WH

Nozzles	System	Description	Length mm	Additional info	Image
WH101993	OCTO	ANGLED PLUG, FLEXIBLE NOZZLE	150	COPPER NOZZLE	A
WH102529	OCTO	ANGLED PLUG, FLEXIBLE AND ADJUSTABLE NOZZLE	200	ADJUSTABLE TIP, STAINLESS	B
WH102625	OCTO	STRAIGHT PLUG, FLEXIBLE AND ADJUSTABLE NOZZLE	200	ADJUSTABLE TIP, STAINLESS	C

● All items are stock standard



WhizCut®

CUTTING EDGE INNOVATIONS

LET´S TALK PRECISION

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