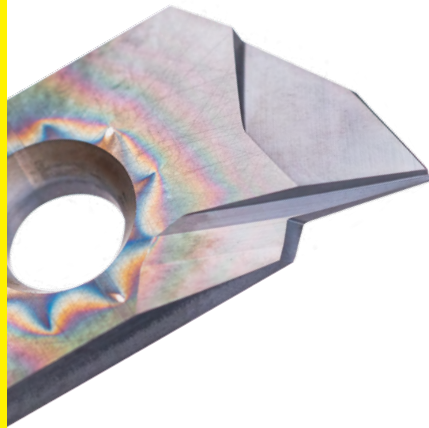




SMART SOLUTIONS
on the cutting edge

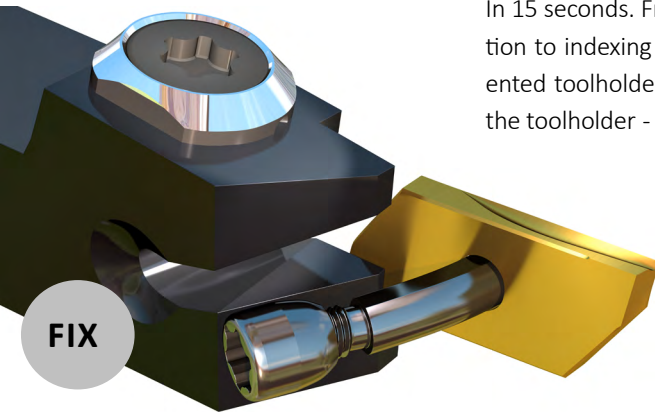


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Signature toolholders

WhizFix



In 15 seconds. From the opposite side. Still in the machine. That is the solution to indexing problems in Swiss type automatics. With the WhizFix patented toolholder you can easily index the insert from the opposite side of the toolholder - with the holder still in the machine.

- Indexing or changing an insert can be done in 15 seconds without removing the toolholder from the machine.
- Indexing or changing an insert will not change the setting, resulting in a much faster return to full production.
- There is no risk of damaging the new cutting edge.

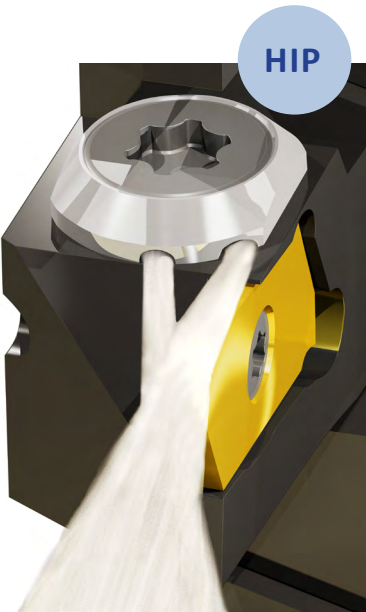
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WhizHip

Cool it with high pressure, exactly where you want it. The high pressure coolant is led through the WhizHip toolholders - and exits very close, at an optimal angle between the cutting edge and chip. The insert cools down, the building chips are cut off and tool life is improved.

- Use the WhizHip toolholder and there is no need to invest in a special gang-plate.
- Combine WhizHip with WhizFix to minimize setup time and index in the machine.
- The WhizHip toolholder gives a positive effect on performance from 10 bar. Normal use is around 100 bar, however WhizHip can handle up to 300 bar.
- High pressure coolant drastically improves performance when working in titanium and other difficult-to-machine-materials.

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WhizAdjust



EXTERNAL INSERTS & TOOLHOLDERS

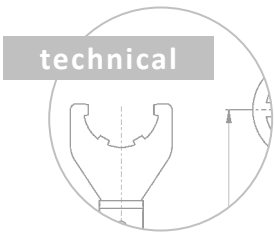


WhizCut

Innovative indexing and high performing inserts. This is how you improve CNC swiss type automatic lathes. WhizCut have tangentially mounted inserts which are ingeniously set at an angle in the tool holder. This gives you the best possible tool life, tight tolerances and smooth surface finish.

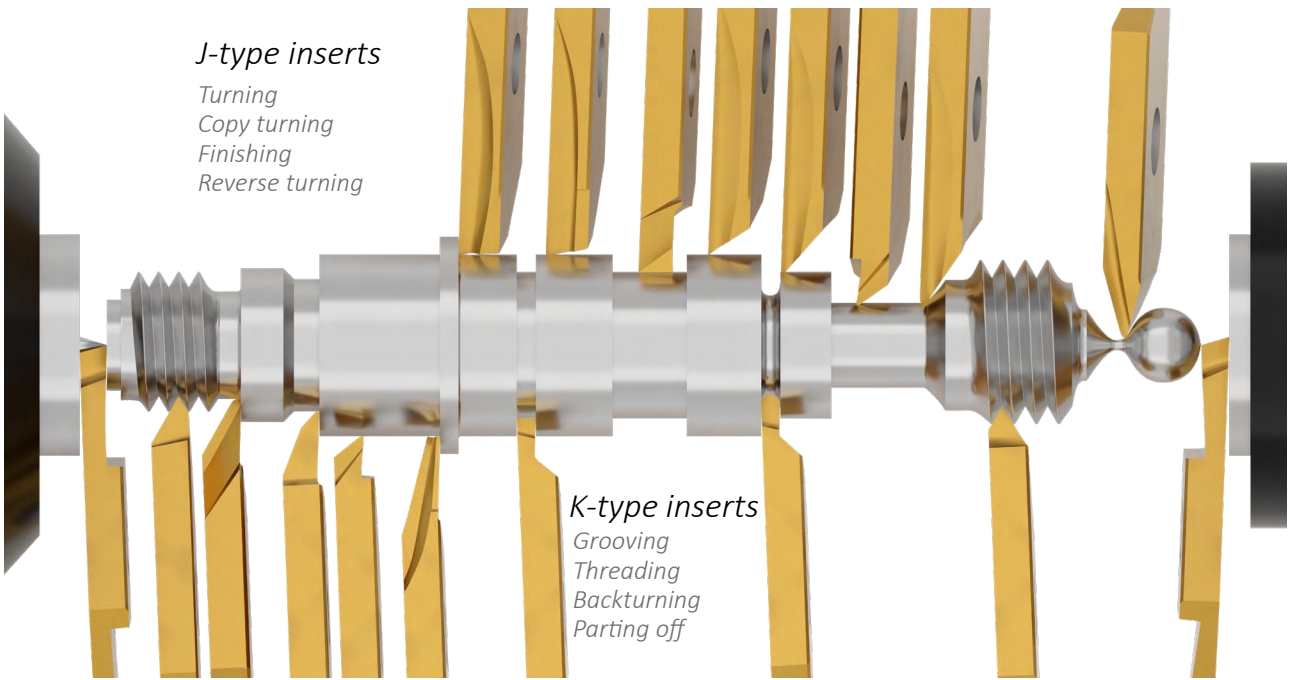


COST EFFICIENT PERFECT CHIP CONTROL TIME SAVING



WhizCut - fully ground cutting edges

WhizCut standard inserts all have sharp, fully ground cutting edges. The standard inserts are available between 2 and 20° positive cutting rake- to perform outstanding in every operation. Thanks to this inventive combination WhizCut inserts are up for any material or application challenge.



J-type inserts
Turning
Copy turning
Finishing
Reverse turning

K-type inserts
Grooving
Threading
Backturning
Parting off

Range benefits

- **Perfect chip control and minimal cutting forces:** all WhizCut inserts have complex cutting geometries and sharp, fully ground cutting edges. The entire range of inserts is designed to generate ultimate stability.
- **Flexible:** WhizCut has a great assortment of inserts specially designed to fit all swiss type applications.
- **Save time:** with the toolholder system WhizFix, you can index the insert with the toolholder still in the machine. Change or turn the insert around in only 15 seconds. Read more on page 6.
- **High pressure coolant:** through the toolholders - is available for the full line of WhizCut inserts. Read more on page 64.

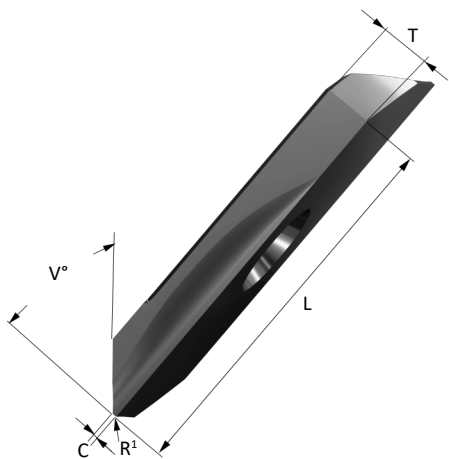
Perform perfect with WhizCut

2 holders
- all applications

You only need two types of toolholders to perform any operation with a WhizCut insert: J-type toolholders and K-type toolholders. The inserts are divided into two different application styles; “radial turning” and “front turning”. The toolholders for radial turning and front turning are optimized for their targeted application.

Perfect fit with WhizCut

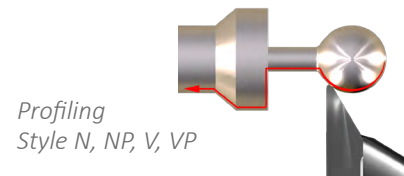
J-type



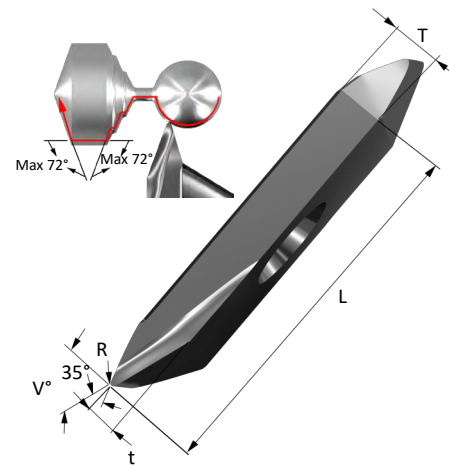
Turning
Style H, HP, J, JP



Copy turning
Style D, DP, N, NP

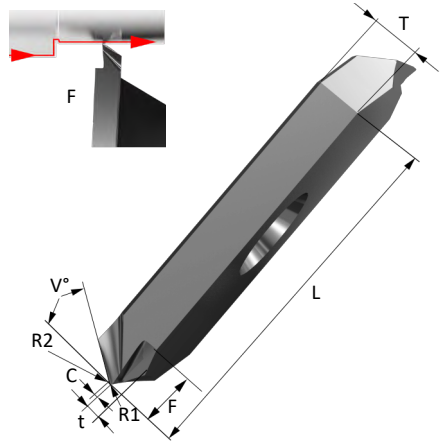


Profiling
Style N, NP, V, VP



Style H, J, D, N, V | Inserts for turning, copy turning

INSERTS	L	V°	R	C	C. RAKE°	STOCK						PRICE
						8M	C8	F8	B8	NF8	ND8	
J15ER H6-0	15	3	0	0	6	R	K	R	R	-	-	A3
J15ER H6-05	15	3	0,05	0	6	R						

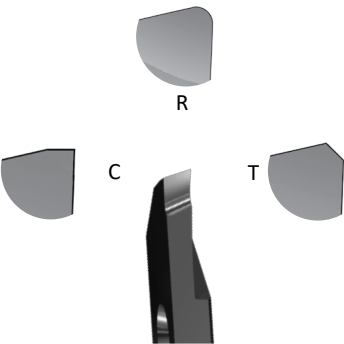


Style F | Inserts for reverse turning

INSERTS	C	R1	R2	t	F	V°	C	RAKE°	STOCK				PRICE
									8M	C8	F8	B8	
J15ER FD16-0-03	0,15	0,03	-	0,6	3	30	16		R	K	R	K	A7
J15ER FD16-0-05	0,15	0,05	-	0,6	3	30	16		R	K	R	K	A7
J15ER FN10-2-07	0,15	0,07	0,07	0	3	45	10		R	-	R	R	A7
J15ER FN8-052	0	0,05	0,2	0	-	48	8		R	-	R	R	A7
J15ER FN8-12	0	0,1	0,2	0</									

Parting off

WhizGuide
select the ideal parting off insert



1. Axial relief vs. component possibilities

- Style P: 0° gives the strongest tool. Suitable with use of sub spindle. Style PS can be used for extra stability.
- Style Y: 6° gives a strong tool but can leave a small nib if a sub spindle is not used.
- Style Z: 15° is an all-round parting off insert. It can be used without a sub spindle.
- Style S, U: 20-30° is a less strong tool suitable for small parts where a fine surface finish is needed.

2. Cutting rake vs. material

- 0° for short-chipping materials.
- 12° for long-chipping materials.
- 20° for sticky long-chipping materials.

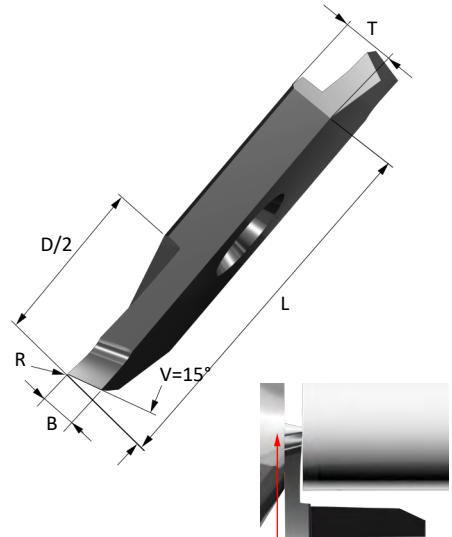
3. Machining against the sub spindle

- Recommended inserts are YR, ZR and SR.
- For maximum stability of the part use special toolholder: WSK15EL 12Q6K-2P.

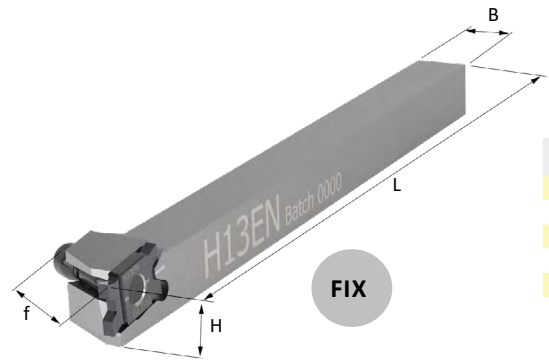
4. Corner alternatives for parting off insert

Parting off applications can demand a different kind of corner execution on the parting off insert. WhizCut will arrange any type of corner execution. Contact your local distributor for assistance to find the type that best suits your needs.

K-type

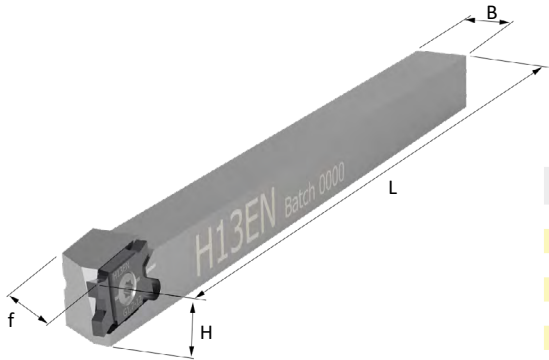


Style Z | Inserts for parting off



TPH | Toolholders with WhizFix pin type clamping

TOOLHOLDER	H	B	L	f	INSERT	PIN	BIT	STOCK	PRICE
TPH13ER 1010K-0	10	10	125	10	H13EN	PIN 12	J5	R	A62
TPH13ER 0375K-0	3/8"	3/8"	125	3/8"	H13EN	PIN 12	J5	R	A62
TPH13ER 1212K-0	12	12	125	12	H13EN	PIN 12	J5	R	A62
TPH13ER 0500K-0	1/2"	1/2"	125	1/2"	H13EN	PIN 12	J5	R	A62
TPH13ER 1616K-0	16	16	125	16	H13EN	PIN 12	J5	R	A63



TSH | Toolholders with conventional clamping

TOOLHOLDER	H	B	L	f	INSERT	SCREW	KEY	STOCK	PRICE
TSH13ER 88K-0	8	8	125	8	H13EN	M3X7	J3IP	R</	

