

Six kinds of inserts can be used in one holder for various operations

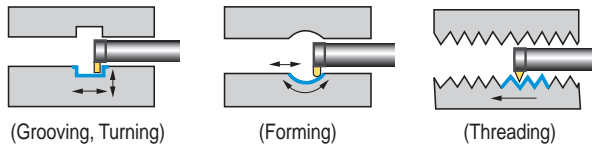
Fine Tools

- Strong clamping system and specially designed insert are suitable for small diameter machining
- Six kinds of inserts can be clamped in one holder for various operations
- Guaranteed long tool life due to good toughness substrate with new TiAlN
- High accuracy ground insert ensures high precision machining



➤ **Application range** • Internal grooving, Profiling, Threading and Boring at Ø8 mm~Ø16 mm

➤ **Features**



➤ **Code system**

NFTIH
08
3
12
-
S

Minimum Diameter

Overhang (ℓ/ØD)

Shank Dia.

Shank Type

S: Steel, C: Carbide

➤ **Recommended cutting condition**

Workpiece	Grade (PC130)	Cutting Condition				
		Min. machining Dia. (ØDmin)				
			Ø8	Ø11	Ø14	Ø16
Carbon steel	◎	vc (m/min)	70~120	70~120	70~120	70~120
		fn (mm/rev)	0.01~0.04	0.01~0.05	0.02~0.05	0.02~0.06
Alloy steel	◎	vc (m/min)	70~120	70~120	70~120	70~120
		fn (mm/rev)	0.01~0.02	0.01~0.04	0.02~0.04	0.02~0.05
Cast iron	○	vc (m/min)	60~100	60~100	60~100	60~100
		fn (mm/rev)	0.01~0.05	0.01~0.05	0.02~0.05	0.02~0.05
Non-ferrous alloy	○	vc (m/min)	100~180	100~180	100~180	100~180
		fn (mm/rev)	0.02~0.06	0.02~0.06	0.02~0.06	0.02~0.06

Note

- In case of chattering, reduce the cutting speed and feed
- To find the optimal cutting conditions, advise to gradually increase from the lowest cutting condition of the above recommendation
- In case of the unilateral grooving depth over 1 mm, work to the step feed rate

➤ **Clamping system**

Screw
Insert
Holder

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R Type L Type

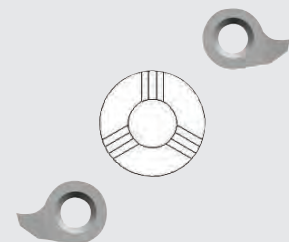
Grooving

Forming

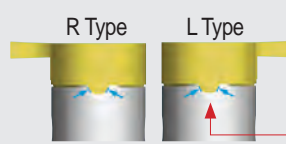
Threading

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• Available R/L type insert with one holder



Stable clamping according to the tripod structure



No-Spin-System design for strong clamping