

NC Helix Drill

Rough Milling | Drilling | Slotting

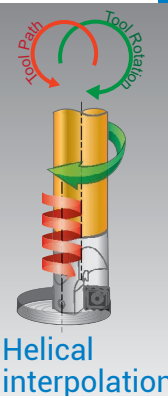
Only six tools for making $\varnothing 13 \sim \varnothing 65$ mm holes

Two Types Of Shank,
Drilling Depth Up To $8 \times D_c$

20°
max.
ramping
angle



Short &
small chips



Helical
interpolation

P M K N S H

PROMO

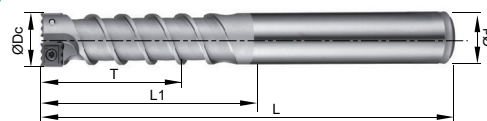
BUY 1 HOLDER

GET 2 INSERTS (Same grade)

Free

NC5072

NC2032

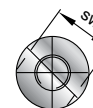
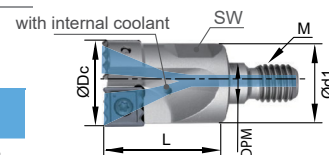


► 99321 Cylindrical shank - External coolant

Code	Parts No.	Type	drill dia. mm		$\varnothing D_c$	T	L1	L	$\varnothing d$	Insert type
			Dmin.	Dmax.						
401001	00-99321-010-1320	BC10-HD11-1320	13	20	11	30	40	80	10	N9MX04T002
402001	00-99321-012-1525	BC12-HD13-1525	15	25	13	36	50	100	12	N9MX05T103
403001	00-99321-016-2030	BC16-HD17-2030	20	30	17	50	60	110	16	N9MX070204
404001	00-99321-020-2540	BC20-HD22-2540	25	40	22	60	70	125	20	N9MX100306
405001	00-99321-025-3050	BC25-HD27-3050	30	50	27	75	85	165	25	N9MX12T308

► 99323 Screw Fit Cutter - Internal Coolant

Code	Part No.	Type	drill dia. mm		$\varnothing D_c$	L	M	DPM	$\varnothing d1$	SW	Insert type
			Dmin.	Dmax.							
421001	00-99323-010-1320	M05-HD11-1320	13	20	11	20	M5	5.5	10	8	N9MX04T002
422001	00-99323-012-1525	M06-HD13-1525	15	25	13	25	M6	6.5	12	10	N9MX05T103
423001	00-99323-016-2030	M08-HD17-2030	20	30	17	25	M8	8.5	16	14	N9MX070204
424001	00-99323-020-2540	M10-HD22-2540	25	40	22	30	M10	10.5	20	18	N9MX100306
425001	00-99323-025-3050	M12-HD27-3050	30	50	27	35	M12	12.5	25	23	N9MX12T308



* Use open ended spanner
to tighten the cutter.

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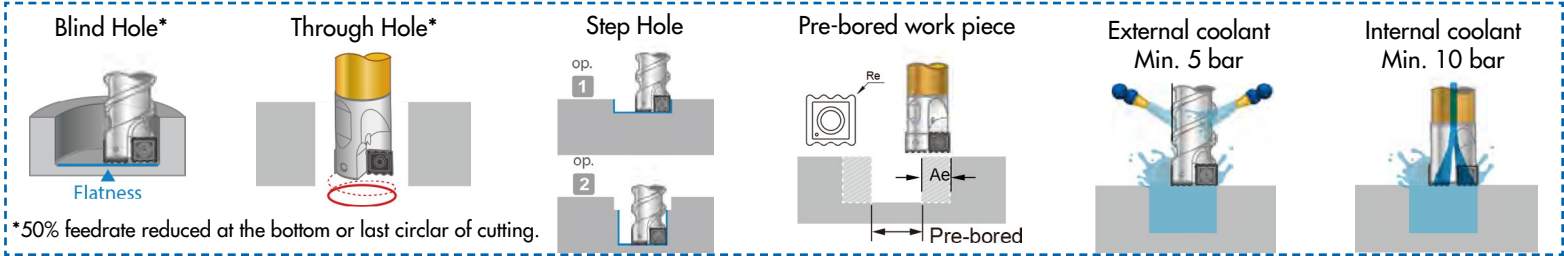
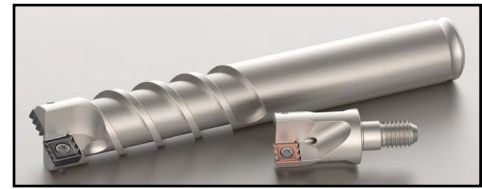
Ref. No: 109-2510-5D



NC Helix Drill

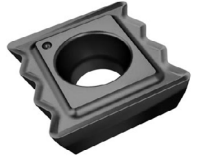
Programming Conditions

**Excellent
Swarf
Removal!**



Inserts

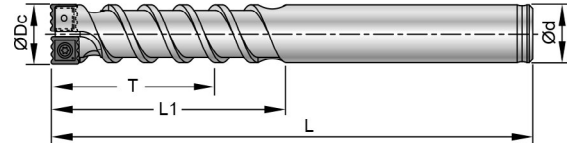
- NC5072 : • P40, TiAlN coating. General purpose, suitable for almost all kind of steel, stainless steel and Titanium.
• Recommended while clamping devices is unstable or deep hole drilling or apply on low power machines.
- NC2032 : • K20F, TiAlN coating.
• Design for high performance cutting, special good for cast iron and hardened material <HRC50°.



Code	Parts No.		Grade	Coating		Dimensions			Screw	Key	PRICE
						L	S	Re			
109-041021	01-N9MX04T002	NC5072	P40	TiAlN		4.75	1.8	0.2	*NS-18037 0.6Nm	NK-T6	\$34.54
109-041001		NC2032	K20F			4.75	1.8	0.2	*NS-18037 0.6Nm	NK-T6	\$34.54
109-042021	01-N9MX05T103	NC5072	P40			5.75	2.0	0.3	*NS-20045 0.6Nm	NK-T6	\$34.54
109-042001		NC2032	K20F			5.75	2.0	0.3	*NS-20045 0.6Nm	NK-T6	\$34.54
109-043021	01-N9MX070204	NC5072	P40			7.5	2.4	0.4	*NS-25045 0.9Nm	NK-T7	\$34.54
109-043001		NC2032	K20F			7.5	2.4	0.4	*NS-25045 0.9Nm	NK-T7	\$34.54
109-044021	01-N9MX100306	NC5072	P40			10.0	3.18	0.6	NS-30072 2.0Nm	NK-T9	\$38.66
109-044001		NC2032	K20F			10.0	3.18	0.6	NS-30072 2.0Nm	NK-T9	\$38.66
109-045021	01-N9MX12T308	NC5072	P40			12.5	3.97	0.8	NS-35080 2.5Nm	NK-T15	\$42.77
109-045001		NC2032	K20F			12.5	3.97	0.8	NS-35080 2.5Nm	NK-T15	\$42.77

Cylindrical Shank

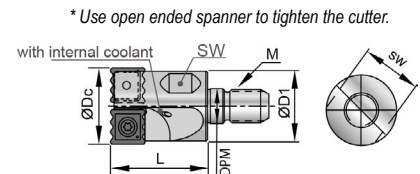
- Made from hardened high alloy steel 48 HRC.
- Unique helical groove design generates chip-removing coolant stream.
- Designed for CNC machine with external coolant.



Code	Parts No	Type	Capable of drill dia. mm		ØDc	T	L1	L	Ød	Insert Type	Max. ramping angle	PRICE
			Dmin.	Dmax.								
109-401001	00-99321-010-1320	BC10-HD11-1320	13	20	11	30	40	80	10	N9MX04T002	20°	\$258.26
109-402001	00-99321-012-1525	BC12-HD13-1525	15	25	13	36	50	100	12	N9MX05T103		\$258.26
109-403001	00-99321-016-2030	BC16-HD17-2030	20	30	17	50	60	110	16	N9MX070204		\$289.52
109-404001	00-99321-020-2540	BC20-HD22-2540	25	40	22	60	70	125	20	N9MX100306		\$319.13
109-405001	00-99321-025-3050	BC25-HD27-3050	30	50	27	75	85	165	25	N9MX12T308		\$361.90

Screw Fit Cutter

- Made from hardened high alloy steel 42 HRC.
- With internal coolant.
- Standard screw-fit body adapts to almost any kinds of the screw-fit tool holder or extension bar in the market.
- Possible to apply for enlarge hole.



Code	Parts No.	Type	Capable of drill dia. mm		ØDc	L	M	DPM	Ød1	SW	Insert Type	Max. ramping angle	PRICE
			Dmin.	Dmax.									
109-421001	00-99323-010-1320	M05-HD11-1320	13	20	11	20	M5	5.5	10	10	N9MX04T002	20°	\$220.43
109-422001	00-99323-012-1525	M06-HD13-1525	15	25	13	25	M6	6.5	12	12	N9MX05T103		\$220.43
109-423001	00-99323-016-2030	M08-HD17-2030	20	30	17	25	M8	8.5	16	14	N9MX070204		\$231.94
109-424001	00-99323-020-2540	M10-HD22-2540	25	40	22	30	M10	10.5	20	18	N9MX100306		\$258.26
109-425001	00-99323-025-3050	M12-HD27-3050	30	50	27	35	M12	12.5	25	23	N9MX12T308		\$289.52

* Special size is available by request