



i-Center indexable center drill (patent pending)
 First Indexable center drill in the world.
 Shortens set up time and center drilling time.
 Increases tool life which reduces tooling cost.
 Special forms are possible.

Indexable Center Drill

- Highly Efficient Tools
- No Re-setting, No Resharpener
- Time Saving
- Long Tool Life
- Improve Your Process Performance



• Coolant supply from center



• Big chip flow area

The “ i-Center ” is a trademark of Nine9, the developer of the first indexable center drill. For the first time, Nine9’s “ i-Center ” patent-pending design provides the benefit of solid carbide cutting parameters while delivering -

• **High Speed, High Feed Rate**

High performance speed and feed can be reached thanks to the special ground insert and ridged holder design. For example, for drilling $\varnothing 3.15\text{mm}$ hole on alloy steel, running at 6000 r.p.m. and feed rate 600 mm/min. (0.1mm/rev.)

• **Easy Tool Length Setting**

The axial position accuracy of the insert is 0.05 mm(.002”). It is not necessary to reset the tool length when changing insert or cutting edge.

• **Excellent Repeatability**

The insert is positioned by two locating pins and clamped by one insert screw at the center. The positioning repeatability of the insert is within 0.02 mm(.0008”) in radial direction, thus ensuring conformity to any National Standard.

• **Extended Tool Life**

Coolant can be supplied through the center of the holder to increase performance and extend tool life. Insert geometry, grades and coating process are specifically engineered for centering applications.

• **Universal and Easily Fitted with Any Available Shank**

The tool holder is made of high alloy steel, hardened and ground to h6 tolerance with a flat. It’s easy for stationary tool and rotating tool.



• Application on turning machine. Insert type no need to reset the tool length when changing.



• High pressure coolant can be supplied through center directly to tip of center drill insert.

Tool holder

Feature:

- Made of High alloy steel.
- Shank is ground to h6 tolerance.
- Special holders are available on request.



Code	Order No.	Part No.	IC	Ød	L1	L2	ØD±0.02	Screw	Key
new 802001	00-99616-IC08-10	BC10-IC08	08	10	30	22	12	NS-25060	NK-T7
803001	00-99616-IC12-16	SB16-IC12	12	16	48	36	21	NS-30072	NK-T9
804001	00-99616-IC16-16	SB16-IC16	16	16	48	43	27	NS-35080	NK-T15
805001	00-99616-IC20-20	SB20-IC20	20	20	50	60	32	NS-50125	NK-T20
806001	00-99616-IC25-25	SB25-IC25	25	25	56	65	43	NS-50125	NK-T20

Code	Order No.	Part No.	IC	Ød	L1	L2	ØD±0.02	Screw	Key
new 812001	00-99616-IC08-3/8	BC3/8"-IC08	08	3/8"	30	22	12	NS-25060	NK-T7
813001	00-99616-IC12-5/8	SB5/8"-IC12	12	5/8"	48	36	21	NS-30072	NK-T9
814001	00-99616-IC16-5/8	SB5/8"-IC16	16	5/8"	48	43	27	NS-35080	NK-T15
815001	00-99616-IC20-3/4	SB3/4"-IC20	20	3/4"	50	60	32	NS-50125	NK-T20
816001	00-99616-IC25-1	SB1"-IC25	25	1"	56	65	43	NS-50125	NK-T20