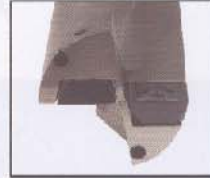


Main features:

- Smallest indexable drill from diameter 10 mm, 3xD.
- Dual-relief angle insert, maximum feed rate is possible.
- Unique design of the central and peripheral insert position, the cutting chips are divided into more pieces, which makes the cutting chip flow smoothly and fast.
- The central insert and peripheral insert are identical, insert cost saving and stock management easily.
- Better surface finish, Better form accuracy.

Patent Pending

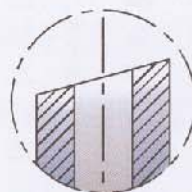


Features of the insert

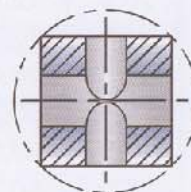
- Patented Dual-relief angle insert :
 - Primary relief angle: 7 degree for increasing toughness of the cutting edge.
 - Secondary relief angle: 11 degree for increasing axial feed rate.
- Square insert with 4 cutting edges. Low cost !
- Fully ground carbide insert, multi-layer TiAlN coated, universal type for all kind of materials.
- Fine lapping on the cutting edge, good chip breaking condition.

Unique design of the insert position

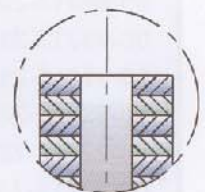
- Thanks to the special insert position to divide the cutting chip into more pieces.
- The position of the edge of the insert is approaching to flat to minimize lateral cutting force. It helps stable feed action in unstable drilling conditions.



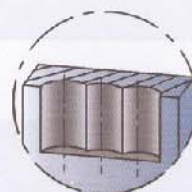
Surface with angle



Cross hole



Stack drilling



Plunge drilling



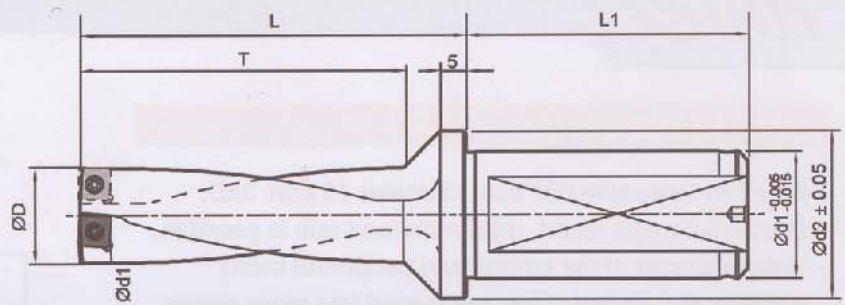
Surface with concave



Regular drilling



Dimensions and ordering code



Ordering code	D	T	L	d1	d2	L1	Insert Screw / Key	Radial Adjustment	D max
00-99313-10.0	10.0	35.25	49	20	27	49	N9GX040102 NS-18037 NK-T6	0.25	10.5
00-99313-10.5	10.5	38.5	52	20	27	49		0.25	11.0
00-99313-11.0	11.0	38.75	52	20	27	49		0.20	11.4
00-99313-11.5	11.5	42.0	55	20	27	49		0.20	11.9
00-99313-12.0	12.0	42.25	55	20	27	49		0.15	12.3
00-99313-12.5	12.5	45.5	58	20	27	49		0.15	12.8
00-99313-13.0	13.0	45.75	58	20	27	49	N9GX05T103 NS-20045 NK-T6	0.30	13.6
00-99313-13.5	13.5	49.0	61	20	27	49		0.30	14.1
00-99313-14.0	14.0	49.25	61	20	27	49		0.25	14.5
00-99313-14.5	14.5	52.5	64	20	27	49		0.25	15.0
00-99313-15.0	15.0	52.75	64	20	27	49		0.20	15.4
00-99313-15.5	15.5	54.0	66	20	27	49		0.20	15.9
00-99313-16.0	16.0	54.25	66	25	33	55	N9GX060204 NS-22052 NK-T7	0.40	16.8
00-99313-16.5	16.5	55.5	69	25	33	55		0.40	17.3
00-99313-17.0	17.0	55.75	69	25	33	55		0.35	17.7
00-99313-17.5	17.5	59.0	72	25	33	55		0.35	18.2
00-99313-18.0	18.0	59.25	72	25	33	55		0.30	18.6
00-99313-18.5	18.5	63.5	76	25	33	55		0.30	19.1
00-99313-19.0	19.0	63.75	76	25	33	55		0.25	19.5
00-99313-19.5	19.5	69.0	81	25	33	55		0.25	20.0
00-99313-20.0	20.0	69.25	81	25	33	55	N9GX070304 NS-25060 NK-T7	0.50	21.0
00-99313-20.5	20.5	72.5	84	25	33	55		0.50	21.5
00-99313-21.0	21.0	72.75	84	25	33	55		0.15	21.9
00-99313-21.5	21.5	76.0	87	25	33	55		0.15	22.4
00-99313-22.0	22.0	76.25	87	25	33	55		0.40	22.8
00-99313-22.5	22.5	80.5	91	25	33	55		0.40	23.3
00-99313-23.0	23.0	80.75	91	25	33	55		0.35	23.7
00-99313-23.5	23.5	85.0	95	25	33	55		0.35	24.2
00-99313-24.0	24.0	85.25	95	25	33	55	0.30	24.6	

periphery inserts

Ordering code	Grade				Insert Screw		Screw Key
		L	S	re	Ordering code	Torque	Ordering code
01-N9GX040102	NC2033	4.0	1.8	0.2	00-NS-18037	0.4Nm	00-NK-T6
01-N9GX05T103	NC2033	5.0	2.0	0.3	00-NS-20045	0.6 Nm	00-NK-T6
01-N9GX060204	NC2033	6.35	2.38	0.4	00-NS-22052	0.9 Nm	00-NK-T7
01-N9GX070304	NC2033	7.94	3.18	0.4	00-NS-25060	1.2Nm	00-NK-T7

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