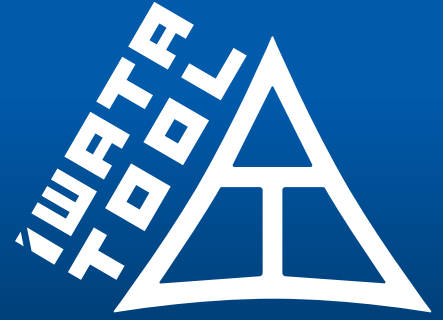
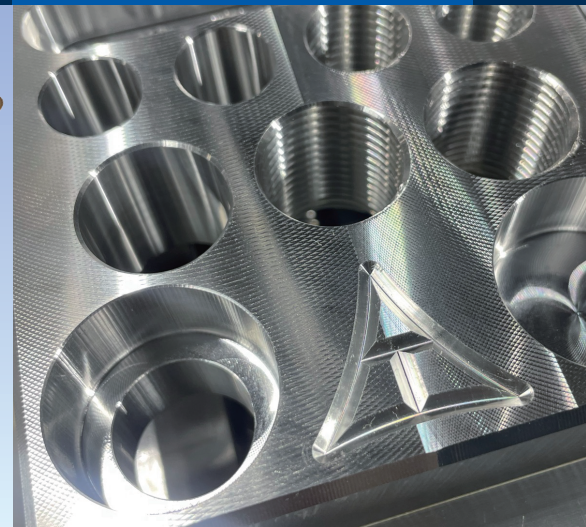
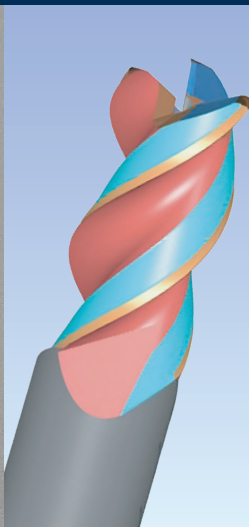


ENDMILL FOR HELICAL MILLING PROCESS

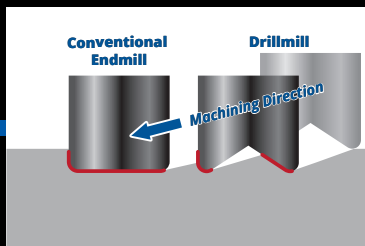
Drillmill



**LOW CUTTING FORCES
THRUST FORCE IS ALMOST ZERO**



RAMPING ANGLE MAX 15°



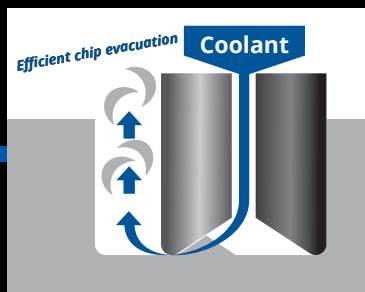
- Extremely reduced cutting forces.
- Minimized engagement of cutting edges.
- Ramping angle max 15°.

**MOST SUITABLE
FOR:**

- Aluminium Alloy
- Copper
- Plastic

POSSIBLE FOR:

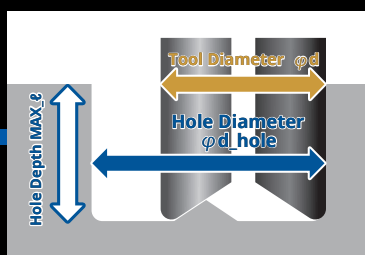
- Titanium Alloy



- Efficient Chip Evacuation



Cutting Conditions



- For minimum hole diameter possible please refer to the back of this brochure.
- Vertical drilling is not possible. Please use ramping.
- Machining time may vary depending on tool diameters and machine specifications
- Bigger tool diameters do not necessarily reduce machining time, especially in shallow holes.
- If the hole diameter exceeds twice the tool diameter, make a hole of 2xD first and enlarge it in a second step.



Machining Example

Drillmill Carbide 1.5D

DLC coating

CEMENTED
CARBIDE
MATERIAL

DLC
COATING

Drilling

Face
Milling

Slotting

Side
Face
Milling

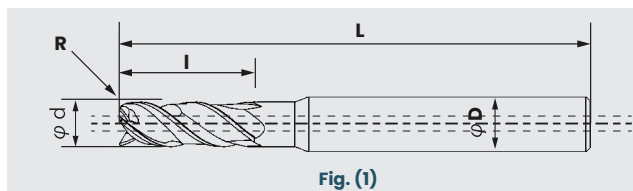


Fig. (1)

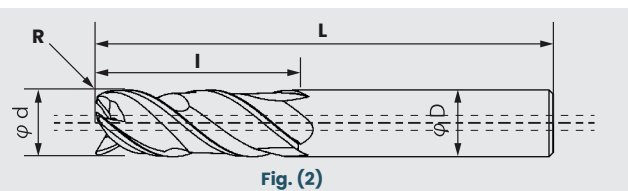


Fig. (2)

Product Code	Ø d	I	Ø D	L	Z	Fig.	R	*Min. hole Ø
DMS2DLC1DOHB1	2	3	3	40	3	1	0.1	2.6
DMS2.4DLC1DOHB1	2.4	3.6	3	40	3	2	0.1	3
DMS3DLC1DOHB1	3	4.5	4	40	3	1	0.15	3.6
DMS4DLC1DOHB1	4	6	4	40	3	2	0.2	4.8
DMS5DLC1DOHB1	5	7.5	6	50	3	2	0.25	6
DMS6DLC1DOHB1	6	9	6	50	3	2	0.3	7.2
DMS8DLC1DOHB1	8	12	8	65	3	2	0.4	9.6
DMS10DLC1DOHB1	10	15	10	70	3	2	0.4	12
DMS12DLC1DOHB1	12	18	12	80	3	2	0.4	14.4
DMS16DLC1DOHB1	16	24	16	100	3	2	0.4	19.2

* Minimum Possible Hole Diameter

Drillmill Carbide 3D

DLC coating

CEMENTED
CARBIDE
MATERIAL

DLC
COATING

Drilling

Face
Milling

Slotting

Side
Face
Milling

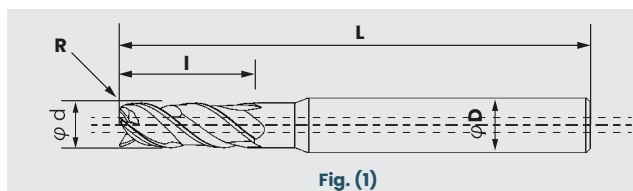


Fig. (1)

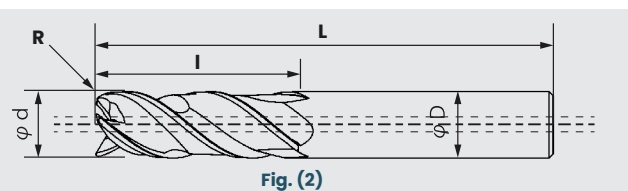


Fig. (2)

Product Code	Ø d	I	Ø D	L	Z	Fig.	R	*Min. hole Ø
DMS2DLC3DOHB1	2	6	3	40	3	1	0.1	2.6
DMS2.4DLC3DOHB1	2.4	7.2	3	40	3	2	0.1	3
DMS3DLC3DOHB1	3	9	4	40	3	1	0.15	3.6
DMS4DLC3DOHB1	4	12	4	40	3	2	0.2	4.8
DMS5DLC3DOHB1	5	15	6	50	3	2	0.25	6
DMS6DLC3DOHB1	6	18	6	50	3	2	0.3	7.2
DMS8DLC3DOHB1	8	24	8	65	3	2	0.4	9.6
DMS10DLC3DOHB1	10	30	10	70	3	2	0.5	12
DMS12DLC3DOHB1	12	36	12	80	3	2	0.6	14.4
DMS16DLC3DOHB1	16	48	16	100	3	2	0.8	19.2

* Minimum Possible Hole Diameter



NEW VERSIONS OF DRILLMILL ARE UNDER DEVELOPMENT
We are currently working on tools for:

>>> Roughing >>> Machining of Thin Plates >>> Steels >>> Stainless Steels >>> Diameters from 1 mm