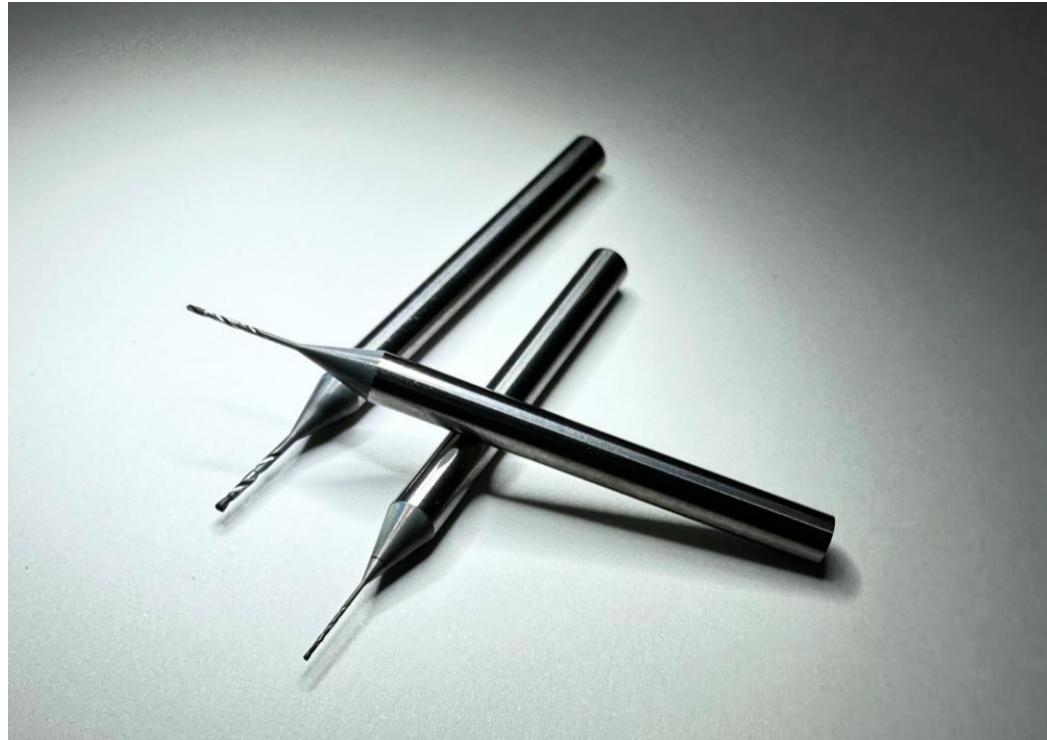


# Micro PCD Drill

For Hard and Brittle Materials  
: Small Diameter.

## Micro PCD Drill



### Product Features

- Achieves long tool life with unique tip geometry**  
Designed to withstand extended use and contribute to cost reduction.
- Suppresses chipping for high-precision machining**  
Ensures stable hole quality even in brittle materials.
- Ideal for small-diameter machining of hard and brittle materials**  
Compatible with difficult-to-machine materials such as SiC and cemented carbide.



**Asahi Diamond**

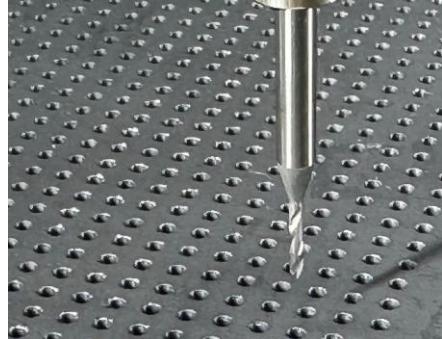
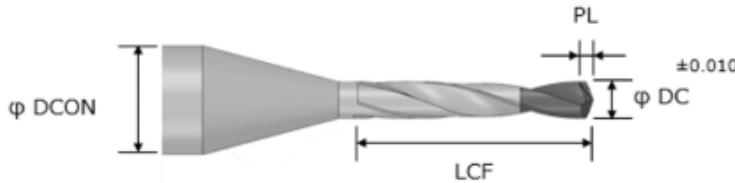


# Product Overview

“Small-Diameter PCD Drill for Hard Materials  
– High Precision, Long Life.”



## Product Features



### ◇ Standard Specifications

Cutting edge diameter (φ DC)	Flute Length (mm) LCF	Overall Length (mm)	Tip (mm) PL	Shank Diameter (φ DCON)
0.3	6.5	38	0.12	3.0
0.4	6.5	38	0.18	3.0
0.5	6.5	38	0.23	3.0
0.6	6.5	38	0.27	3.0
0.7	6.5	38	0.29	3.0
0.8	6.5	38	0.34	3.0
0.9	6.5	38	0.40	3.0
1.0	6.5	38	0.49	3.0
1.1	6.5	38	0.56	3.0
1.2	6.5	38	0.60	3.0
1.3	6.5	38	0.66	3.0
1.4	6.5	38	0.73	3.0
1.5	6.5	38	0.80	3.0



# Machining Examples

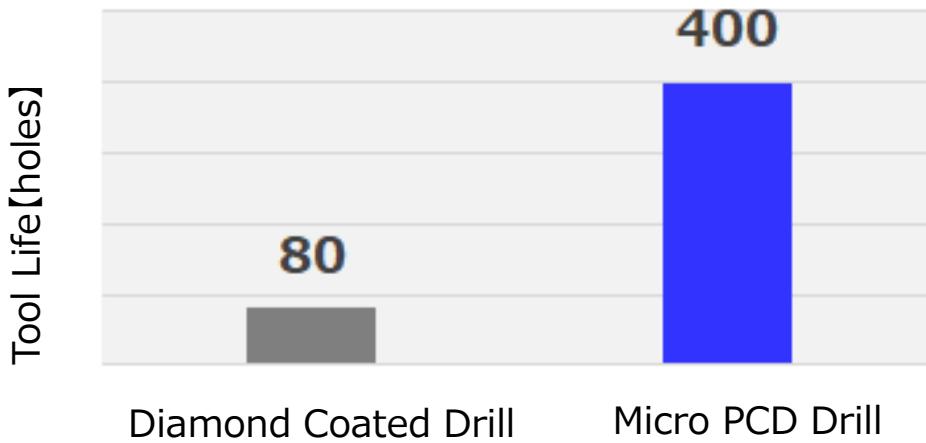
## ◇ Performance Introduction "φ0.45 Machining Data"

Target workpieces: SiC ceramics, quartz glass, etc.

Materials	SiC	Quartz glass
1st hole		
In process		

## ◇ Lifespan Comparison (SiC Processing)

Life comparison (SiC Processing)



## ◇ Check out our latest Micro PCD Drill machining video on YouTube!

