

# 聚晶鑽石、氮化硼車刀 / PCD & PCBN Turning Tools



## 應用範圍：

- 聚晶鑽石(PCD)
  - 銅合金、鋁合金
  - 燒結碳化鎢及陶瓷
  - 預燒結碳化鎢及陶瓷
  - 高矽鋁合金
  - F.R.P、硬橡膠、石墨
- 聚晶氮化硼(PCBN)
  - 硬化鋼材(HRC 45 ~ 68)
  - 耐熱鋼 (SUS)
  - 超耐熱鋼：鎳基合金，鈷基合金
  - 鑄鐵：冷激鑄鐵、接種鑄鐵
  - 燒結合金鋼：鎢鉬鋼、鎢鉻鉬鋼

聚晶鑽石和聚晶氮化硼車刀與其他切削刀具比較，具有較高之硬度及耐磨耗性，其優點如下：有較長之刀具壽命，提高工件加工精度及表面光製度，降低工件加工成本以及提高機器生產力。

PCD & PCBN have higher hardness & abrasion resistance than other cutting tools. The advantages of these features are : improving tool's life, providing better control over part size and surface finishes, reducing tool cost per machined part and improving machine productivity.

## Applications :

- Polycrystalline Diamond (PCD)
  - Aluminum alloys 、copper alloys 、 manganese alloys
  - Sintered carbide & ceramics
  - Green or semi-sintered carbide & ceramics
  - High-silicon aluminum alloys
  - Reinforced plastic 、hard rubber 、 carbon 、 graphite
- Polycrystalline Cubic Boron Nitride (PCBN)
  - Hardened steels (HRC 45 ~ 68)
  - Tempering steels
  - Super alloys: Cobalt and nickel base super alloys
  - Cast iron: Chilled iron, Meehanite iron
  - Sintered ferrous alloys: SCM, SNCM

## 規格 / Specifications:

單位 / Unit : mm

編號 Order no.	刀片材質 Tip material	W	H	L	R	V°	S	
 31型	B4612-4G	PCBN	16	16	120	0.4	0	0
	B4613-4G	PCBN	19	19	140	0.4	0	0
 33型	D6732-5A	PCD	16	16	120	0.5	0	0
	D6733-5A	PCD	19	19	140	0.5	0	0
	B6630-4G	PCBN	10	10	80	0.4	0	0
	B6631-4G	PCBN	13	13	100	0.4	0	0
	B6632-4G	PCBN	16	16	120	0.4	0	0
	D6530-3F	PCD	10	10	80	0.3	10	0
	D6531-3F	PCD	13	13	100	0.3	10	0
D6532-3F	PCD	16	16	120	0.3	10	0	
 34型	D6540-3F	PCD	10	10	80	0.3	10	0
	D6541-3F	PCD	13	13	100	0.3	10	0
	D6542-3F	PCD	16	16	120	0.3	10	0
 35型	D6752-5A	PCD	16	16	120	0.5	0	0
	D6753-5A	PCD	19	19	140	0.5	0	0
	B6650-4G	PCBN	10	10	80	0.4	0	0
	B6651-4G	PCBN	13	13	100	0.4	0	0
	B6652-4G	PCBN	16	16	120	0.4	0	0
	D6550-3F	PCD	10	10	80	0.3	10	0
	D6551-3F	PCD	13	13	100	0.3	10	0
D6552-3F	PCD	16	16	120	0.3	10	0	
 37型	D6772-5A	PCD	16	16	120	0.5	0	2
	D6773-5A	PCD	19	19	140	0.5	0	2
	B6672-4G	PCBN	16	16	120	0.4	0	2
	B6673-4G	PCBN	19	19	140	0.4	0	2
	D6571-3F	PCD	13	13	100	0.3	10	2
	D6572-3F	PCD	16	16	120	0.3	10	2

說明 / Note : 其他規格之車刀,請提供詳細圖面訂購。

The turning tools with other specification, please offer detail drawing when ordering.