

## **Cobalt Bond PCD Die Blanks**



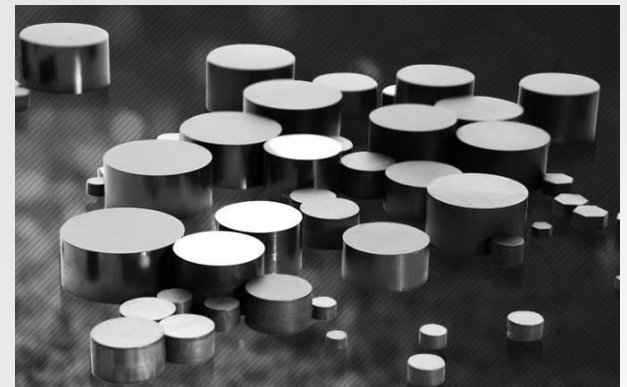
## Self-Supported PCD Die Blanks

The pcd wire drawing die blank is a diamond fine powder sintered by ultra-high temperature and ultra-high pressure process under the action of various metal (cobalt-containing) catalysts.

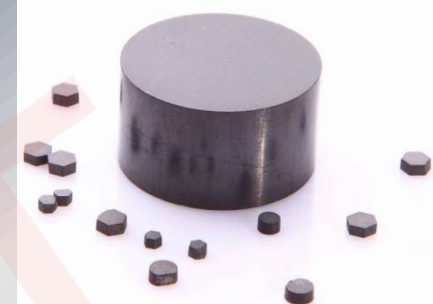
Hexagon and Round shape PCD Die Blanks

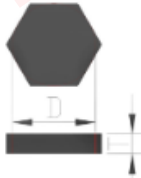
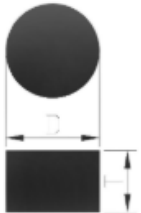
For [drawing](#) copper wire, aluminum wire, tungsten wire, nickel wire, high carbon steel cord, and other alloy wires.

Can be used for wet and dry drawing applications; from rod-size to fine-size and can make different shapes of molds according to the needs, processing different shapes.



## Products Dimentions



Product NO	ADDMA Code	Specification (mm)		
		d	T	
CDS2510	D6	2.5/3.2	1	
CDS3215	D12	3.2	1.5	
CDS5225	D15	5.2	2.5	
CDS5235	D18	5.2	3.5	
Available Grain Size: 1μm, 3μm, 5μm, 10μm, 25μm,				
Note: Do not exceed 650°C in die mounting operations; other special size could be further discussed.				
Maximum recommend bearing diameter for "soft" non ferrous wire . "Hard" wire diameter normally should not exceed 65% of this diameter.				

## TC Supported PCD Die Blanks

If the PCD die blanks are used for drawing the soft wire, the requirements for the compressive strength are not very high, then we can choose the core without support;

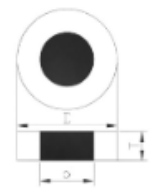
If the PCD die blanks are used for drawing the hard wire, and the finished hole diameter of the wire drawing die is large, then we must consider the compressive strength factor. If the compressive strength is not considered, the high speed of the wire drawing machine will cause the PCD broken, which may affect the drawing effect and efficiency.





## Products Dimensions

Product NO	ADDMA Code	Specification (mm)	
		d	T
CDT4215	D12	4.2	1.5
CDT4223	D15	4.2	2.3
CDT4229	D18	4.2	2.9
CDT6838	D21	6.8	3.8
CDT6853	D24	6.8	5.3
CDT12987	D27	12.9	8.7
CDT129120	D30	12.9	12
CDT152120	D31	15.2	12
CDT152151	D33	15.2	15.1
CDT245180	D36	24.5	18.1



Available Grain Size: 3μm, 5μm, 10μm, 25μm, 50μm.

Note: Do not exceed 650°C in die mounting operations; other special size could be further discussed.

Maximum recommend bearing diameter for "soft" non ferrous wire . "Hard" wire diameter normally should not exceed 65% of this diameter.

## Why LINKUT PCD DIE BLANKS

Strict choose for the raw materials

Consistent crystal shape

High purity diamond

Rigid requirements for the dispersibility and concentration

Strict production process

Pressure control

Temperature control



*Great wear resistance, High drawing surface finish and longer drawing life!*





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