



## ■ PDC Cutter / PCD Blanks



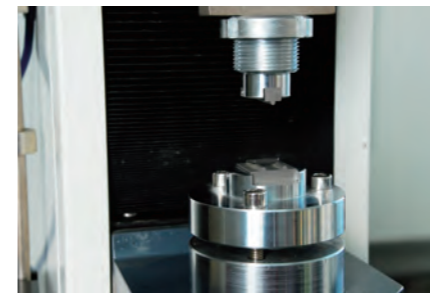
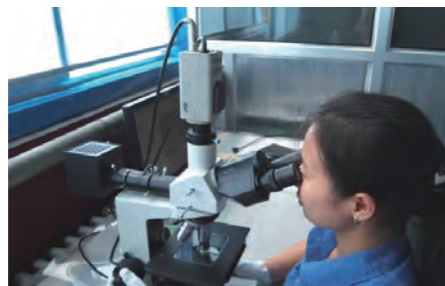
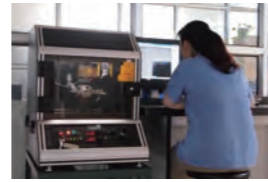
Details Make Perfect

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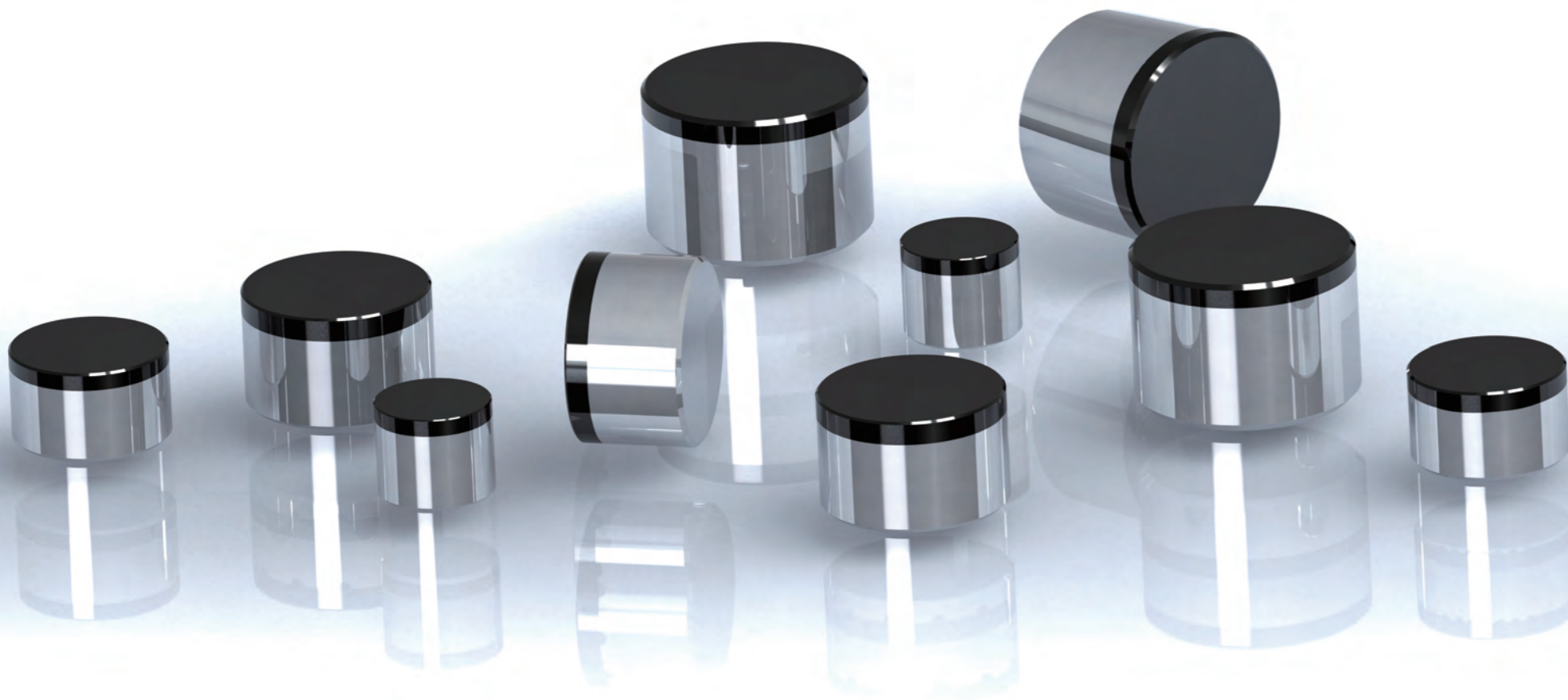
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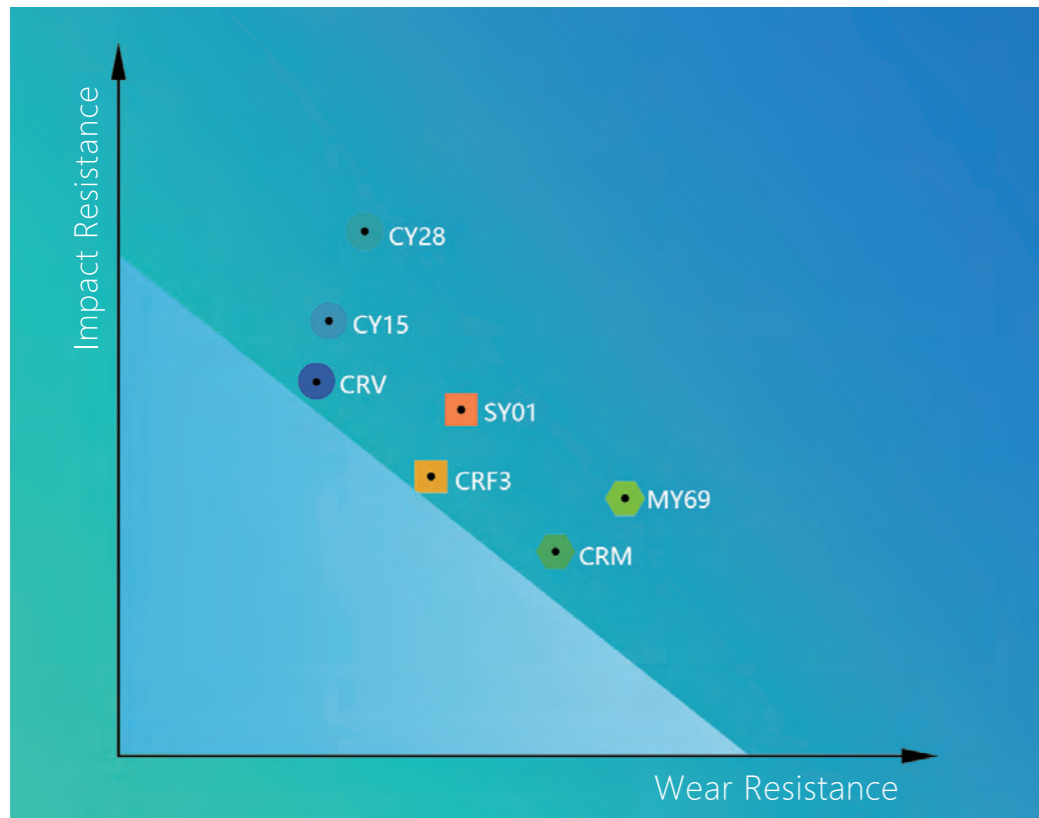
## PDC for Oil & Gas

The micro diamond powder mix, that was designed using an engineering process, was attached to a tungsten carbide substrate, and was sintered under high pressure and high temperature (HPHT). The PDC cutter thus engineered and manufactured is featured with excellent wear resistance, thermal stability and impact resistance. The cutters are applicable for the drilling of complicated geological formation, such as sandstone and limestone, and thus are widely used in the oil and gas drilling industries.





## Performance Comparison



### CY28, CY15, CRV

Excellent impact resistance, suitable for complex geological formation with demanding impact performance requirements.

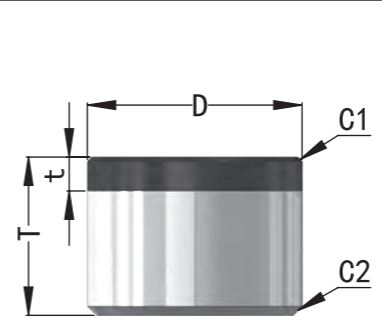
### SY01, CRF3

Good on both impact and wear resistance, suitable for drilling of medium hard geological formation.

### MY69, CRM

Outstanding wear resistance, suitable for relatively hard and complex geological formation.

## Standard Specification

	Product Type	Diameter/D (mm)	Total Thickness/T (mm)	PCD Layer/t (mm)
	1308	13.44	8.00	2.0
	1313	13.44	13.20	2.0
	1613	15.88	13.20	2.0, 3.0
	1913	19.05	13.20	2.0, 3.0
	1916	19.05	16.31	2.0, 3.0

Remark : Size and chamfer (C1, C2) can be customized.

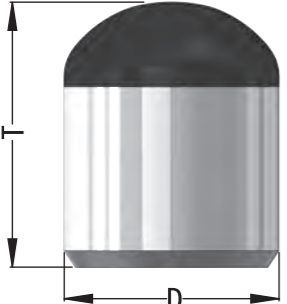


# Dome PDC

Dome PDC has excellent wear resistance and extremely high impact resistance. It is widely used in roller cone bits, DTH(down-the-hole) bits, mining picks, and crushing machines, etc.

Dome structure effectively disperses the impact during drilling, and thus it greatly improves the impact resistance of the drilling tool and prolongs its service life.

## Standard Specification

	Specification	Diameter/D (mm)	Total Thickness/T (mm)
	FT08	7.00~8.00	8.00~12.00
	FT13	12.00~13.00	10.00~15.00
	FT16	15.00~16.00	16.00~20.00
	FT19	18.00~19.00	10.00~16.00

Remark : Size can be customized.



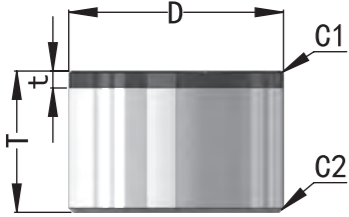
## PDC for Mining

Selected raw material is used to sinter the PDC for mining. It enjoys good wear and impact resistance, and could be applicable for mining.

To meet different performance requirements, two grades of CRK and DK are available.



### Standard Specification

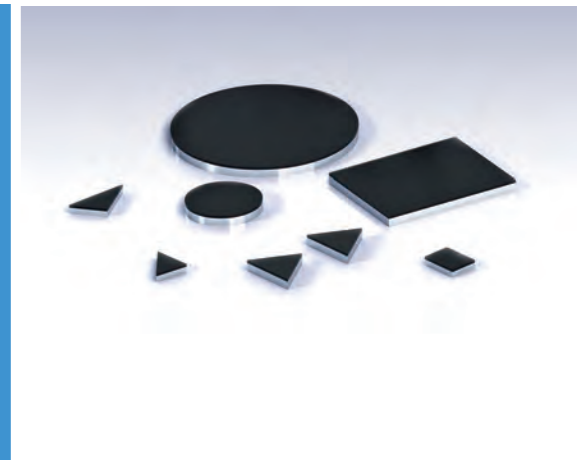
	Specification	Product Type	Diameter/D (mm)	Total Thickness/T (mm)	PCD Layer/t (mm)
		CRK DK	1308	13.44	8.00
		1313	13.44	13.20	1.5,2.0
		1613	15.88	13.20	1.5,2.0
		1913	19.05	13.20	1.5,2.0

Remark : Size and chamfer (C1, C2) can be customized.

## PCD for Cutting Tools

JX series PCD has moderate hardness, good wear and impact resistance. Cutting tools made by such PCD enjoys great surface finish, long service life and optimal cutting efficiency. It is widely applied in the fields of various non-ferrous metal, alloy, wood, ceramics, reinforced plastics, etc.

Based on different material to be processed, different PCD specifications are available.



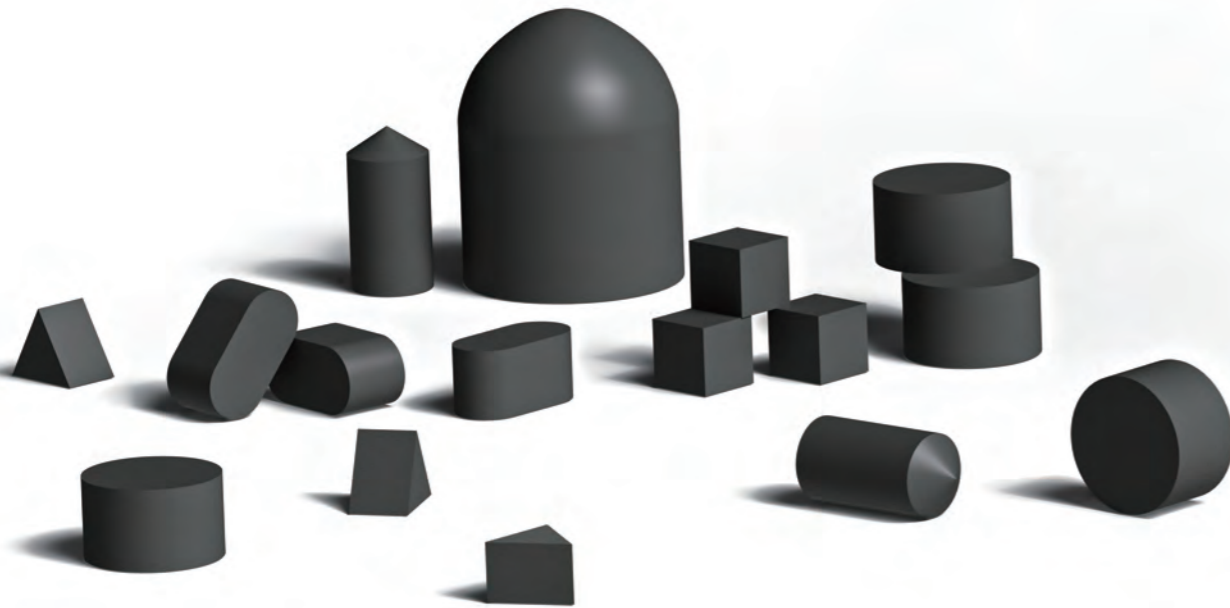
### Standard Specification

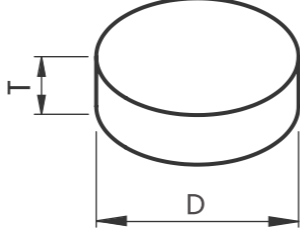
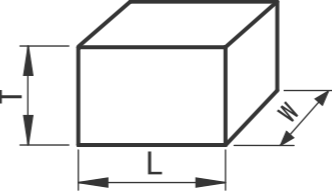
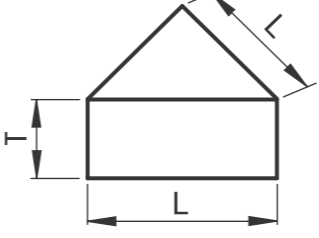
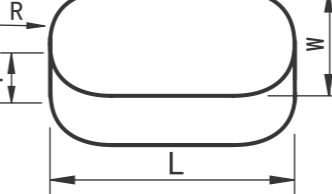
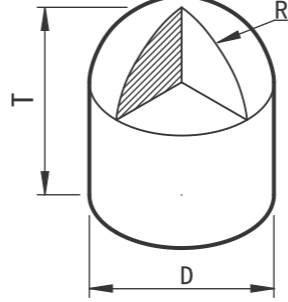
Specification	Diameter/D (mm)	Total Thickness/T (mm)	PCD Layer/t (mm)
JX-10	32/44/48	1.6/2.0/3.2	0.5
JX-25	32/44/48	1.6/2.0/3.2	0.5

Remark: Size can be customized. Different shapes, like Rectangular(R), Triangle(T), and Fan(F) could be cut from the Circular (C)shape.

# Thermally stable polycrystalline diamond / TSP

TSP is sintered by diamond and bond under high temperature and high pressure. It has superb thermal stability and heat resistance, and can be widely used as drill gauge and mechanical processing.



	Specification	Size (mm) / D*T	
	TSP-A		2*4
		2*6	6*4
		3*3	8*3
		4*2	10*6
	TSP-C	Size (mm) / L*W*T	
			3*3*5
		4*4*5	5*5*5
	TSP-D	Size (mm) / L*T	
			3*3*3
		4*4*3	
	TSP-E	Size (mm) / L*W*T*R	
			10*3*3*R1.5
		10*5*5*R2.5	
	TSP-TH	Size (mm) / D*T*R	
			16*20*R8

Remark : Different shapes,size can be customized.