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DIAMOND GRINDING WHEEL
Super Wear-Resistance



ME&WE
PDC DRILL BIT
Longer Drilling Footage



0.005MM D30 PCD Wire Drawing Die Polycrystalline Diamond Dies 9MM

Our Product Introduction

Basic Information

- Place of Origin: China
- Model Number: D6 - D36
- Minimum Order Quantity: 1 piece
- Price: Negotiable
- Packaging Details: Carton, Box
- Delivery Time: 5-10 work day
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 200 pieces per day



Product Specification

- Material: Polycrystalline Diamond
- Application: Wire Drawing
- Surface Treatment: Polish
- Customized: Customized
- Warranty: 1 Year
- Transport: By Air
- Highlight: 0.005MM Wire Drawing Die,
D30 Wire Drawing Die, pcd wire die 9MM

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Product Description

PCD Wire Die, polycrystalline diamond dies, Wire Drawing Dies

1. Description:

PCD(Polycrystalline Diamond) is a kind of synthetic diamonds. The carbon molecule forms PCD under ultra high temperature and press. Strong bond between diamond particles make PCD have higher abrasive resistance, hardness as well as good thermal conductivity.

PCD wire drawing die is a normal wire tool made by PCD blanks. When pass through a group of PCD dies, the wire gradually deforms then becomes thinner and thinner, finally comes to target size.

2. Specification:

Reduction ratio wires (Reduction angle)	5~8%	8~12%	12~16%	16~25%	25~35%	Bearing Length %
Gold, silver, lead, zinc	14°	16°	18°	22°	24°	20%~40%
Copper, Aluminum, Nickel	10°	12°	14°	18°	22°	
Stainless steel, Copper alloys, Aluminum alloys	9°	11°	13°	16°	18°	30%~70%
High carbon steel	8°	10°	12°	15°	18°	
Tungsten, Molybdenum, Platinum, Ni-Cr alloys	10°	10°	12°	14°	16°	

Diameter(inch)	Diameter(mm)	ADDMA	Tolerance(mm)	Roundness(m m)
0.0039~0.0197	0.10~0.50	D6	0.001	0.001
0.0118~0.0394	0.30~1.00	D12	0.001	0.001
0.0197~0.0591	0.50~1.50	D15	0.002	0.001
0.0315~0.0787	0.80~2.00	D18	0.003	0.002
0.0472~0.1220	1.20~3.10	D21	0.004	0.002
0.0591~0.1732	1.50~4.40	D24	0.005	0.003
0.1299~0.2283	3.30~5.80	D27	0.005	0.004
0.2008~0.3543	5.10~9.00	D30	0.007	0.005
0.3150~0.4921	8.00~12.50	D33	0.010	0.008
0.3150~0.5000	8.00~12.70	D36	0.010	0.010
0.3150~1.1417	8.00~29.00	D36+	0.015	0.015

3.Inner Geometry

Inner geometry of PCD die is combined with "Entrance, approaching, reduction, bearing length and exit" part.

Entrance: For wire entering, prevent The dies from wire hurting.

Approaching: Make the wire to be accessible for lubricant.

Reduction: The wire begins to transform from original diameter to smaller diameter.

Bearing: The wire achieves to the final diameter.

Back Relief: Prevent the final wire surface from scratching.

Exit: Wire exiting.

4.Appliable Wires

Copper, aluminum, gold, silver, nickel, chrome, molybdenum, wolfram, steel cord, electric wire & cable, gas shield welding wire, flux-cored wire, automobile wire, pipe line, construction wire, rigging wire, optical fiber and so on.

5. Advantages

First class PCD blanks

Advanced machines, 100% inspected

Good after-sales service

Technical assistance

6.



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