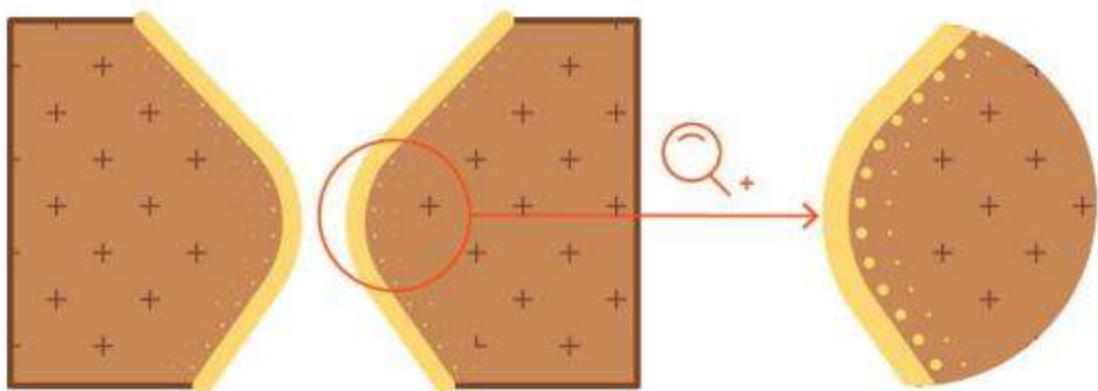
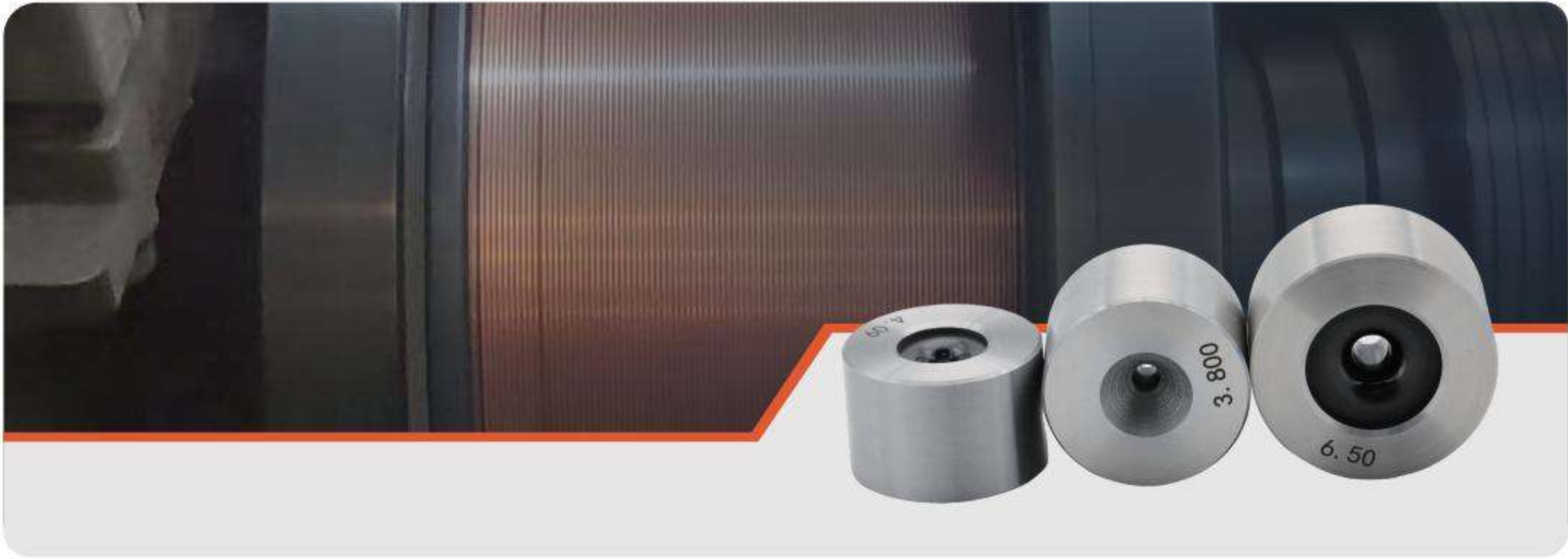


■ Product Description

The nano-coated dies positively replace carbide dies for steels wire drawing. They are much more resistant to wear, thanks to the nano-diamond layer thickness and its mirror-polish surface finish. They allow to increase the wire drawing speeds, maximising raw materials savings, for productivity gains.



FEATURES

- ✓ Top-quality tungsten carbide die
- ✓ 30 µm Coating thickness
- ✓ Hardness around 10000Hv
- ✓ Tolérances Ø ± 5µm up to Ø 10 mm
- ✓ Available in diameters from 0.40 to 60 mm for wires, bars, and tubes

BENEFITS

- ✓ Low friction level, Mirror polish surface finish
- ✓ Maintain a constant hole diameter throughout it's life
- ✓ 10-50% lower prices compared to PCD dies (varies with bore diameter).
- ✓ Extend die life at least 10x longer than tungsten carbide

■ Application



PCD WIRE DRAWING DIES

Product Description

PCD wire drawing dies offer high resistance to wear and excellent wire surface finish. These precision dies are manufactured to superior quality standards enabling longer die life at high speeds and demanding applications.



Size range

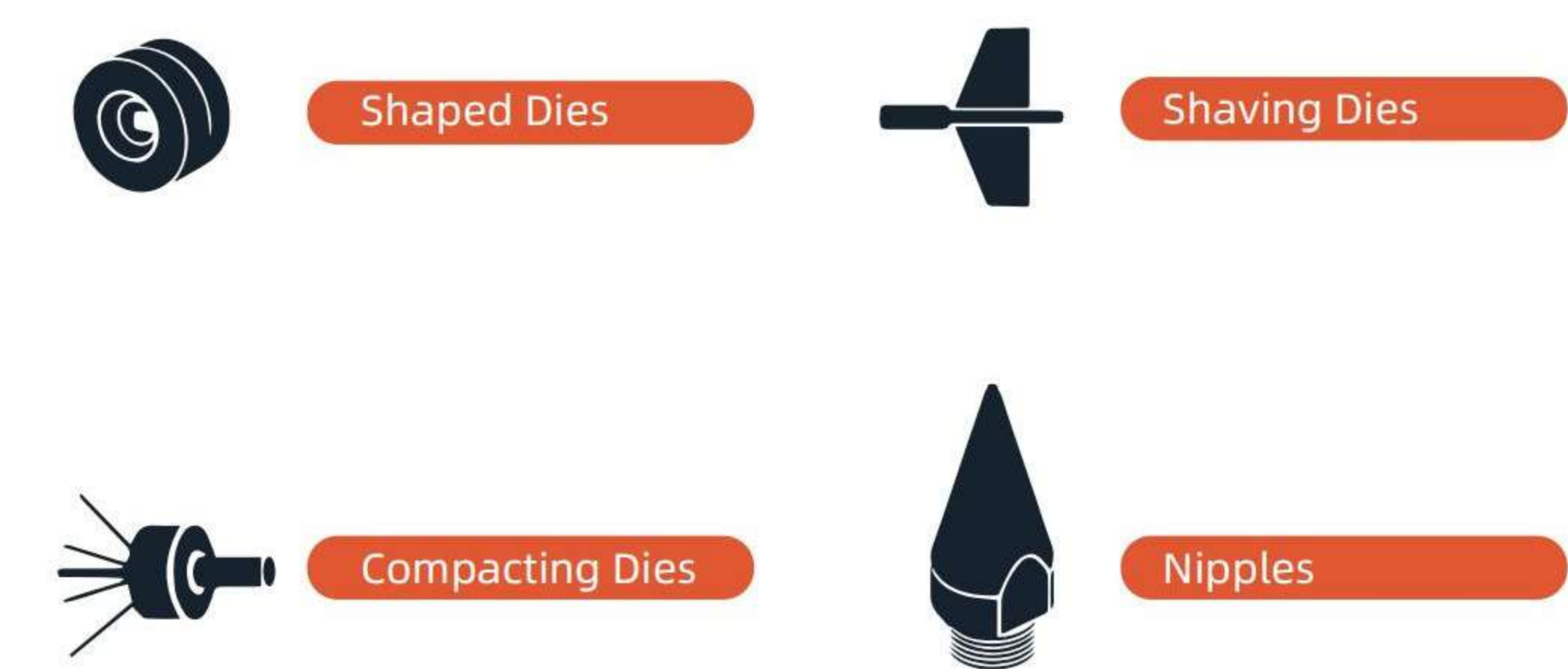
φ0.05mm~φ20.0mm

Wire Type

Copper wire,Aluminum wire,Tungsten wire,Molybdenum wire,Stainless steel wire,Coated steel wire,Special alloy and high-performance alloy wire,Precious metal wire,Various other ferrous and non-ferrous metal wire types.

PCD WIRE DRAWING DIES

Application



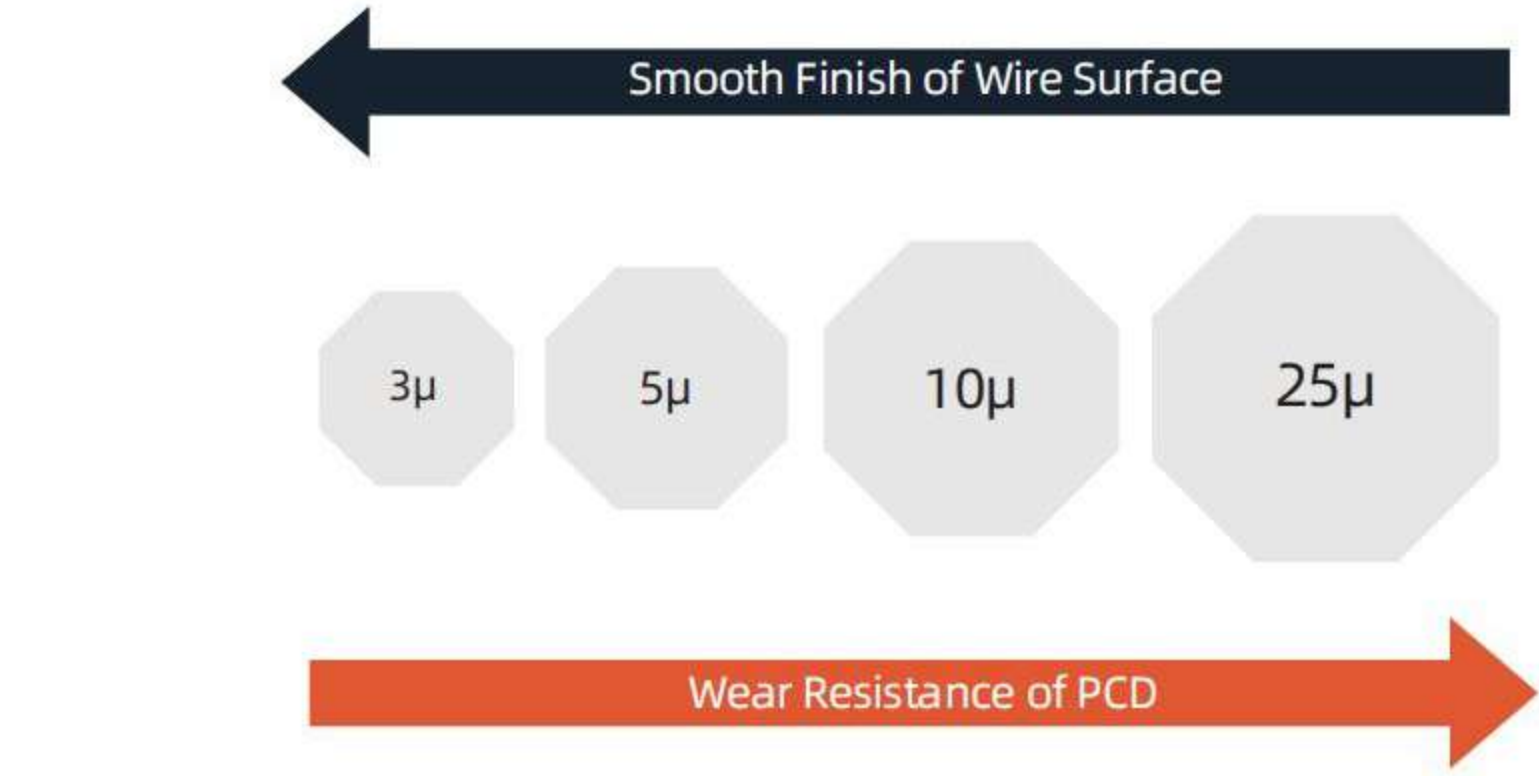
Main Tolerance

Size (mm)	Φ0.05~Φ0.099	Φ0.1~Φ0.399	Φ0.4~Φ0.799
Tolerance	0.5μm	1μm	2μm
Ovality	0.5μm	1μm	2μm

Size (mm)	Φ0.8~Φ3.999	Φ4.0~Φ9.99	Φ10.0 ↑
Tolerance	3μm	5μm	10μm
Ovality	2μm	3μm	5μm

PCD WIRE DRAWING DIES

Grain Size of PCD Dies



Standard Dimension of PCD Dies

	Bore	Case size (D*H)	
	(mm)	Outer diameter (mm)	Height (mm)
	0.25-0.50	25	8
	0.10-0.80	25	10
	0.50-1.50	25	10
	1.00-2.30	28	12
	1.60-3.40	30	15
	2.60-4.60	30	15
	3.00-5.80	42	20
	4.00-11.20	55	24
	6.00-12.50	60	28
	8.00-13.50	70	35
	12.00-18.00	70	35
	Notes: Casing size can be customised as per customer's requirement.		