

Economical PCD /PCBN
standard inserts

ECO



Zhengzuan launched the latest brand ECO
Economical PCD / PCBN standard inserts

All imported raw materials / highly cost-effective

Zhengzuan launched the latest brand ECO

Economical PCD / PCBN standard inserts

ECO brand inherited excelsior product gene of Zhengzuan and bring high-level product experience for the economical market.

ECO brand profile

Cost-effective

Zhengzuan's experienced engineers to use high-end product design concept, based on high-performance products to optimize the design, the product to achieve the highest cost-effective.

Economical PCD

Standard inserts Material

Material	Grade	Application
PCD	CKD41	- Rough, finish, interrupted machining of N-class aluminum, aluminum alloy, copper, copper alloy. - Wooden board machining. - finish machining of CFRP, graphite and other non-ferrous metal .
PCBN single / multi-tips	KB95T	K-class cast iron
	KB903	H-class hardened steel
PCBN strong welding type	KB5940	K-class cast iron
	KB5903	H-class hardened steel
Solid CBN	KB5830	K-class cast iron
	KB5800	H-class hardened steel

Economical PCD / PCBN standard inserts

Cutting parameter

Material	Work-piece material	Cutting speed (mm/min)	Feed rate (mm/r)	Cutting depth (mm)
PCD	K-class aluminum alloy/wooden material	~ 4000	~ 0.2	~ 3.0
	K-class copper alloy	~ 1000	~ 0.2	~ 3.0
	K-class carbide	10-30	0.01-0.2	0.01-0.5
PCBN	K-class cast iron	250-400	0.1-0.4	0.03-0.5
	H-class hardened steel($\geq 45\text{HRC}$)	120-250	0.03-0.2	0.03-0.3

Economical PCD standard inserts

Types

Single tip



Economical PCD standard inserts

Features

- Cutting edge of finishing grinding, revolutionary processing.
- Performance consistent and stable.
- Imported material.
- International common M-grade precision.

Economical PCD standard inserts

Common types

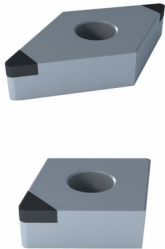
Types	Cutting edge length (mm)	Inscribed circle (mm)	Thickness (mm)	Edge Radius (mm)	Bore Dia (mm)
E-CCMW060204	2.0	6.35	2.38	0.4	2.8
E-CCMW09T304	2.0	9.525	3.97	0.4	4.4
E-CNMA120408	2.0	12.7	4.76	0.8	5.16
E-DCMW070204	2.0	6.35	2.38	0.4	2.8
E-DCMW11T304	2.0	9.525	3.97	0.4	4.4
E-DNMA150408	2.0	12.7	4.76	0.8	5.16
E-VCMW110302	3.3	6.35	3.18	0.2	2.8
E-VCMW160404	3.3	9.525	4.76	0.4	4.4
E-VNMA160408	2.5	9.525	4.76	0.8	3.81
E-TPMW110302	2.0	6.35	3.18	0.2	3.4
E-SNMA120408	2.5	12.7	4.76	0.8	5.16

Economical PCBN standard inserts

Types

Single / Multi-tips

- PCBN composite blank PCBN.
- Single or multi-tips welding.
- Imported material.
- Suitable for high-speed finish machining.
- Single side, double sides with multi-cutting edges.



Solid type

- 100% PCBN sintered.
- No welding process, can process locating hole.
- Longer cutting edge.
- High quality domestic materials.
- Suitable for rough and high-speed finish machining.
- Both sides with multi-cutting edges.



Strong welding type

- 100% PCBN to cutting edge part .
- Strong welding, both sides cutting.
- Imported material.
- Suitable for roughing and high-speed finish machining.
- Both sides with multi-cutting edges.



Economical PCBN standard inserts

Features

- Cutting edge of finish grinding, revolutionary processing.
- 3 kinds of inserts, covering the full demand of roughing, finishing, continuous cutting and interrupted cutting.
- 3 types of cutting edge processing, suitable for different processing needs.
- Imported and good-quality domestic PCBN materials, with excellent anti-chipping and wear resistance.
- Each type of insert has a corresponding PCBN grade for machining K and H type work piece material.
- International common M-grade precision.

Economical PCBN standard inserts

Single / Multi-tips common types

Types	Cutting edge length (mm)	Inscribed circle (mm)	Thickness (mm)	Edge Radius (mm)	Bore Dia (mm)
EB-2CCMW060204	2.4	6.35	2.38	0.4	2.8
EB-2CCMW09T304	2.4	9.525	3.97	0.4	4.4
EB-4CNMA120408	2.4	12.7	4.76	0.8	5.16
EB-4DNMA150408	2.0	12.7	4.76	0.8	5.16
EB-2VBMW160408	2.3	9.525	4.76	0.8	4.4
EB-2VCMW160402	2.7	9.525	4.76	0.2	4.4
EB-2VCMW160404	2.2	9.525	4.76	0.4	4.4
EB-2VCMW160408	2.3	9.525	4.76	0.8	4.4
EB-3TPMW160402	2.6	9.525	4.76	0.2	4.4
EB-6TNMA160412	2.2	9.525	4.76	1.2	3.81
EB-6TNMA160416	2.4	9.525	4.76	1.6	3.81
EB-4SCMW09T304	2.4	9.525	3.97	0.4	4.4

Economical PCBN standard inserts

Strong welding common types

Types	Cutting edge length (mm)	Inscribed circle (mm)	Thickness (mm)	Edge Radius (mm)	Bore Dia (mm)
EB-4CNMA120408	3.0	12.7	4.76	0.8	5.16
EB-4DNMA150408	3.6	12.7	4.76	0.8	5.16
EB-6TNMA160412	3.2	9.525	4.76	1.2	3.81
EB-6TNMA160416	2.9	9.525	4.76	1.6	3.81

Economical PCBN standard inserts

Solid type common types

Types	Cutting edge length (mm)	Inscribed circle (mm)	Thickness (mm)	Edge Radius (mm)	Bore Dia (mm)
EB-CNMN120408	12.74	12.7	4.76	0.8	—
EB-CNMN120412	12.67	12.7	4.76	1.2	—
EB-DNMN110308	10.89	9.525	3.18	0.8	—
EB-DNMN150408	14.77	12.7	4.76	0.8	—
EB-SNMN090308	9.525	9.525	3.18	0.8	—
EB-SNMN120412	12.7	12.7	4.76	1.2	—
EB-TNMN160412	14.74	9.525	4.76	1.2	—
EB-TNMN160416	14.16	9.525	4.76	1.6	—
EB-RNMN120400	12.7	12.7	4.76	6.35	—

Ordering	Tel: (+86)0371- 60300918 Email: berryhu@zhengzuanchina.com jerry@zhengzuanchina.com alex@zhengzuanchina.com
Lead time	1 week (excluding special circumstances)
MOQ	50 pieces (10 pieces / box)

We will serve you with favorable price, better quality and quick leading time!



Zhengzhou Diamond Precision Manufacturing Co., Ltd.

TEL: (+86) 0371-60300918

FAX: (+86) 0371-60300961

Http: www.zhengzuanchina.com

Add: No.198,the 7th Ave of Zhengzhou Economic and
Technological Development Zone,Henan,P.R.C