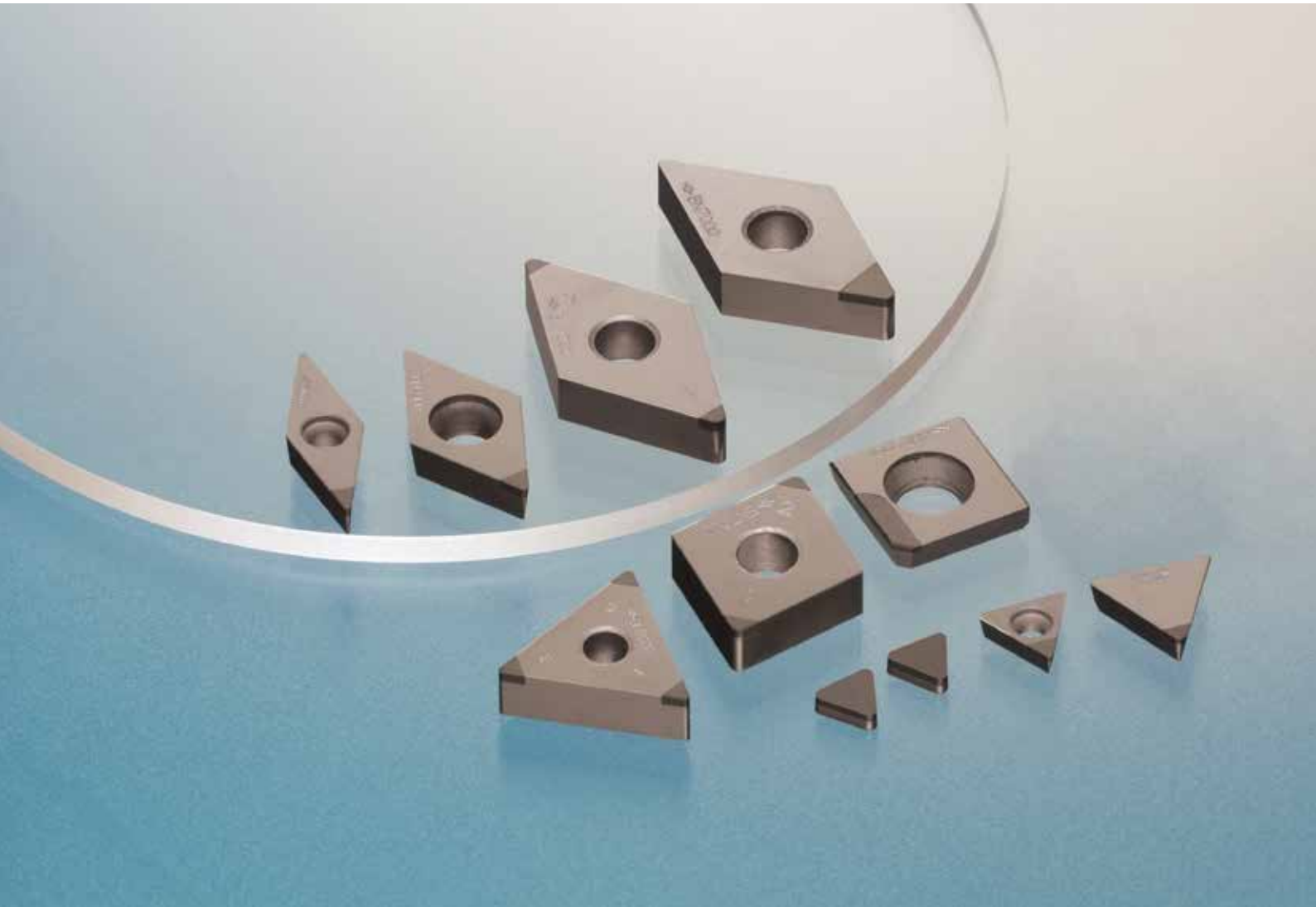
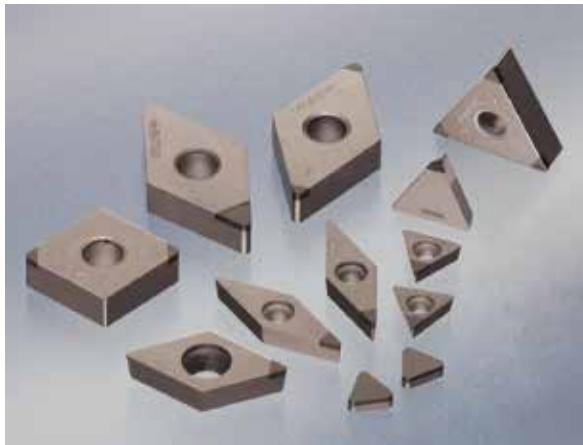


CBN Grade SUMIBORON BN7000



- Excellent wear resistance and toughness
- Highest CBN content
- Stable and long tool life
- Especially for high speed finishing of cast iron, sintered powder metals and exotic alloys

SUMIBORON BN7000



General Features

Medium-grain CBN sintered to a very high density to achieve the maximum content percentage. Also delivers superior fracture resistance by increasing the binding strength between CBN particles. Provides stable, long tool life for high-speed finishing work in cast iron, powdered metals and difficult to machine materials.

CBN Sintered Body Structure



Very high density

Competitor's CBN for cast iron



Lower density due to more and greater binder areas.

Characteristics

Excellent for high speed finishing of cast iron

Good wear and fracture resistance in high speed machining of grey cast iron.

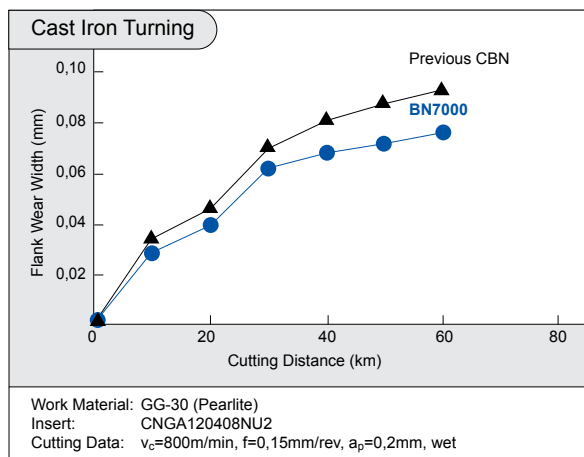
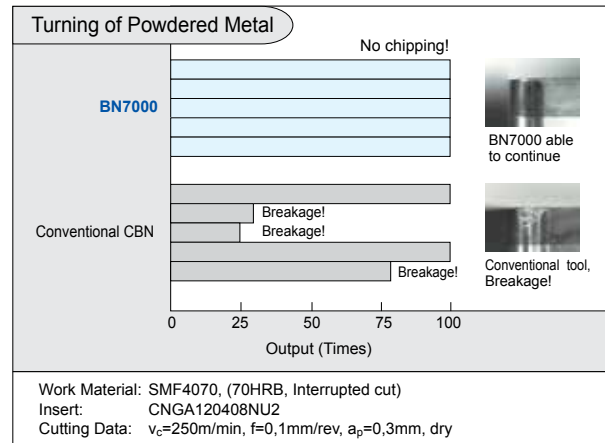
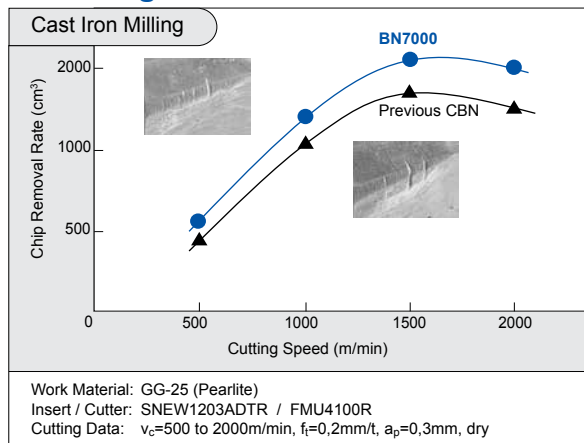
High efficiency machining of powdered metal

With 3 different types of edge treatment, stable and long tool life can be achieved when machining sintered alloys of any shape or hardness.

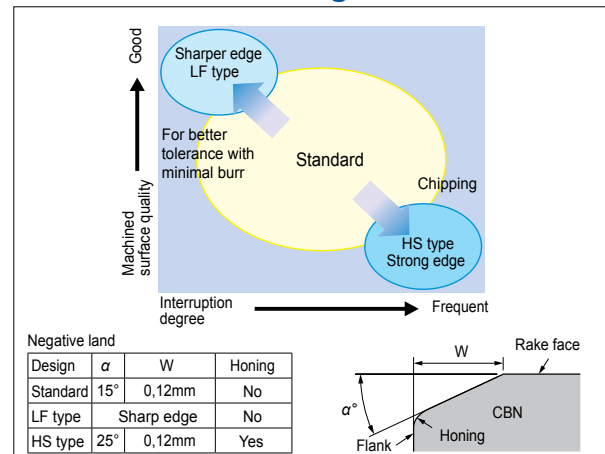
Able to machine exotic materials

Long tool life can also be achieved for the machining of exotic materials such as roll, HSS and heat-resistant alloy.

Cutting Performance



Recommended Edge Treatment



LF type, HS type: on request

■ Neg. Indexable Inserts

Single Corner One-Use Type

Shape	Cat. No.	Stock	Dimensions (mm)				
			No. Cutt. Edges	Inscribed Circle	Thick-ness	Hole-Ø	Nose Radius
	CNMA120404NU	●	1	12,7	4,76	5,16	0,4
	CNMA120408NU	●					0,8
	CNMA120412NU	●					1,2
	DNMA150604NU	●	1	12,7	6,35	5,16	0,4
	DNMA150608NU	●					0,8
	SNMA120408NU	●	1	12,7	4,76	5,16	0,8
	SNMA120412NU	●					1,2

Multi Corner One-Use Type

Shape	Cat. No.	Stock	Dimensions (mm)				
			No. Cutt. Edges	Inscribed Circle	Thick-ness	Hole-Ø	Nose Radius
	CNGA120408NU2	●	2	12,7	4,76	5,16	0,8

■ Pos. Indexable Inserts

Single Corner One-Use Type

Shape	Relief Angle	Cat. No.	Stock	Dimensions (mm)				
				No. Cutt. Edges	Inscribed Circle	Thick-ness	Hole-Ø	Nose Radius
	7°	CCGW060202NU	●	1	6,35	2,38	2,8	0,2
		CCGW060204NU	●					0,4
		CCGW060208NU	●					0,8
		CCGW09T304NU	●					0,4
		CCGW09T308NU	●					0,8
	7°	DCGW070202NU	●	1	6,35	2,38	2,8	0,2
		DCGW070204NU	●					0,4
		DCGW070208NU	●					0,8
		DCGW11T302NU	●					0,2
		DCGW11T304NU	●					0,4
DCGW11T308NU	●	0,8						
	7°	SCGW09T304NU	●	1	9,525	3,97	4,4	0,4
		SCGW09T308NU	●					0,8
	7°	TCGW090204NU	●	1	5,56	2,38	2,5	0,4
		TCGW090208NU	●					0,8
		TCGW110202NU	●					0,2
		TCGW110204NU	●					0,4
		TCGW110208NU	●					0,8
		TCGW16T304NU	●					0,4
TCGW16T308NU	●	0,8						
	5°	VBGW160404NU	●	1	9,525	4,76	4,4	0,4
		VBGW160408NU	●					0,8

Multi Corner One-Use Type

Shape	Relief Angle	Cat. No.	Stock	Dimensions (mm)				
				No. Cutt. Edges	Inscribed Circle	Thick-ness	Hole-Ø	Nose Radius
	7°	DCGW11T304NU2	●	2	9,525	3,97	4,4	0,4
		DCGW11T308NU2	●					0,8

● Euro stock

■ Other Stock Items

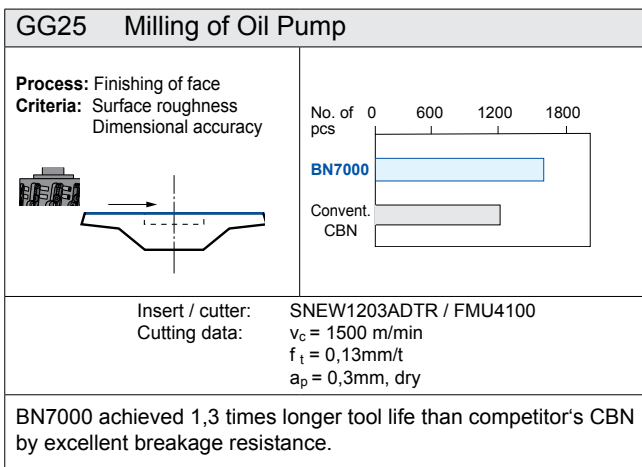
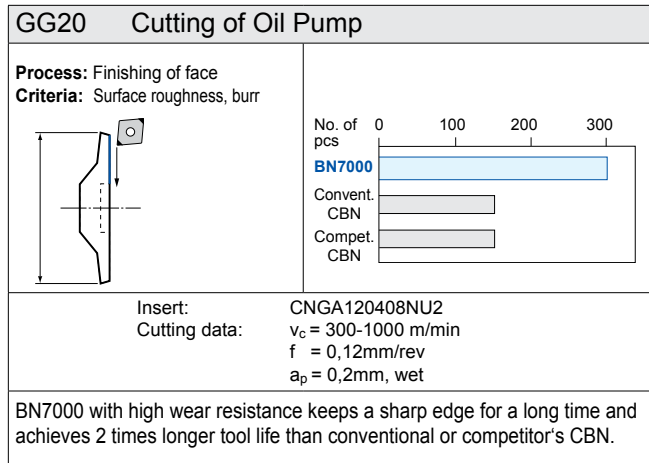
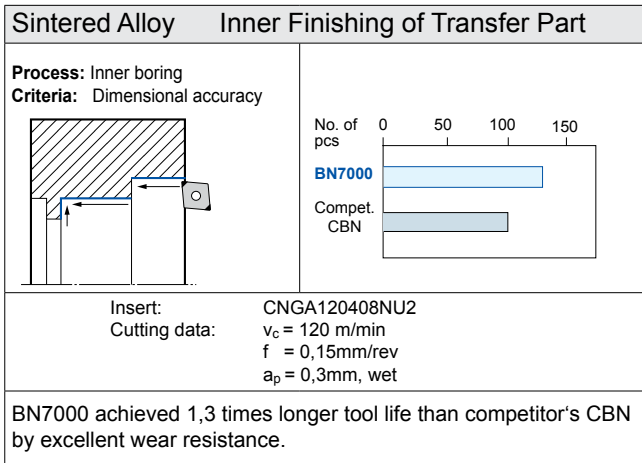
BNZ						
Shape	Cat. No.	Stock	Dimensions (mm)			
			Inscribed Circle	Thick-ness	Hole-Ø	Nose Radius
	ZNEX 040102 NU	○	4,76	1,59	2,3	0,2
	ZNEX 040104 NU	○				0,4

FMU						
Shape	Cat. No.	Stock	Dimensions (mm)			
			Inscribed Circle	Hole-Ø		
	SNEW 1203ADTR	○	12,70	3,18		
	SNEW 1504ADTR-S	○				

○ Japan stock

SUMIBORON BN7000

Application Examples



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