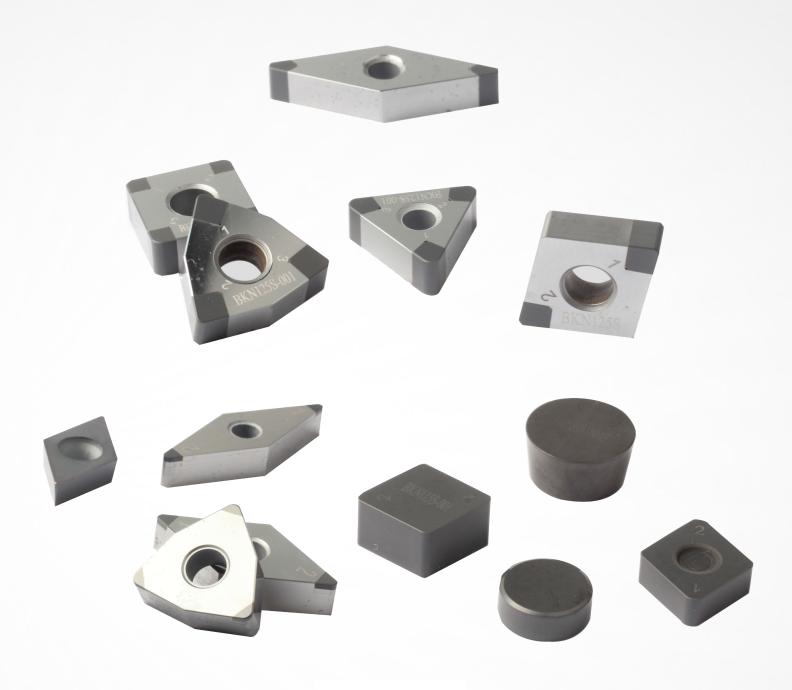




# **CBN** Products Introduction





### **Insert Identification**

Р	CNGA120408	М	-2	HW	-BHC125P	
Cutting tool	Insert ISO Code	Edge Treatment Type	Cutting Edges	Chipbreaker	Grades	

Notation	Code Description	Sketch
LF	Sharp Edge Type	777777
LE	Rounded	7////3
LT	Chamfered	777777
L	General Type for continuous cutting	7/////
М	Standard Type	7/////
НТ	Chamfered for interrupted cutting	7777773
Н	Strong Edge Type	7/////
НР	Double Chamfered and Rounded	11111111111
LS/MS/HS	Other Types	77/7/77

P	CNGA120408	M	-2	HW	-BHC125P
Cutting tool	Insert ISO Code	Edge Treatment Type	Cutting Edges	Chipbreaker	Grades

B H C 1 25 P

- 0 2 3 4 5 6
- Insert Material B PCBN
- ② Primary Workpiecematerial
  - **K** Cast iron
  - **S** Powder matrials
  - **H** Hardened steel
- ③ Whether there is coated.
  - C Coated inserts New!
  - N Blank

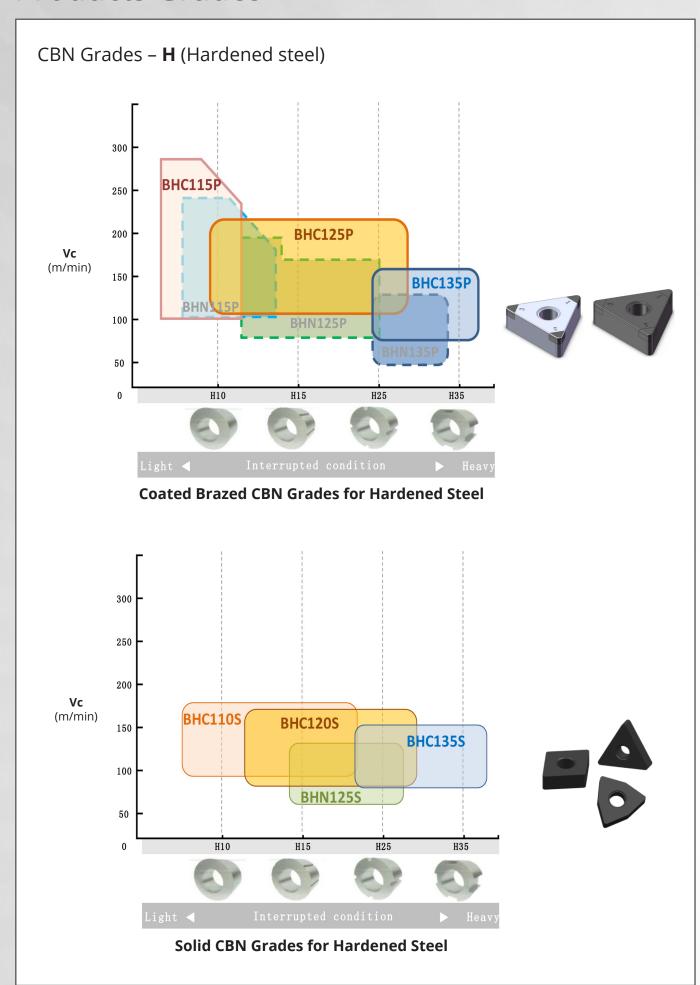
- Future
- S Application Range
  - **05** Contiouse cutting
  - **15** Little interrupted cutting
  - **25** Middle interrupted cutting
  - **35** Heavy interrupted cutting
- Products Series
  - **P** brazed PCBN
  - S Solid PCBN

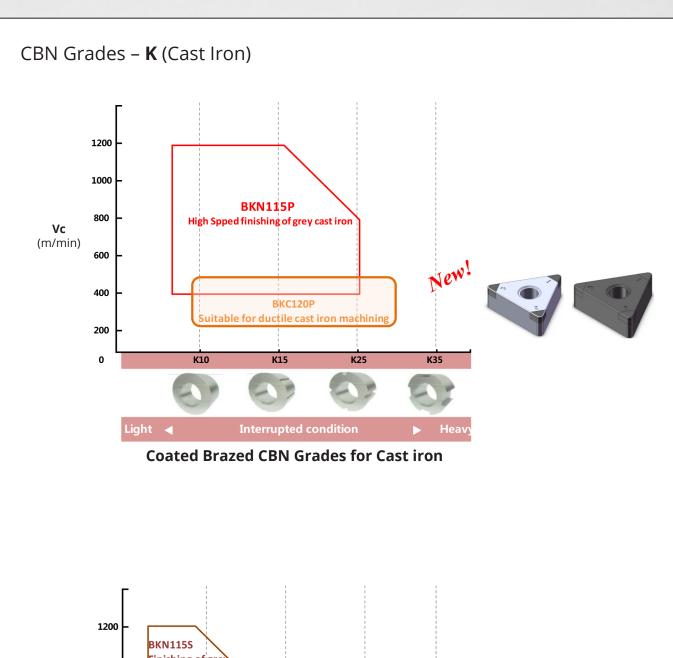
# Products Series / Cutting Datas

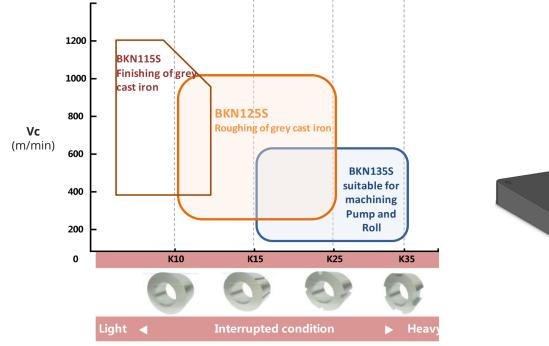
Products Series	Brazed CBN	Solid CBN
Appearance		
ар	< 0.5 mm	0.5~10 mm
Toughness	****	****
Wear Resistance	****	****

# Recommended Cutting Datas PCBN insert

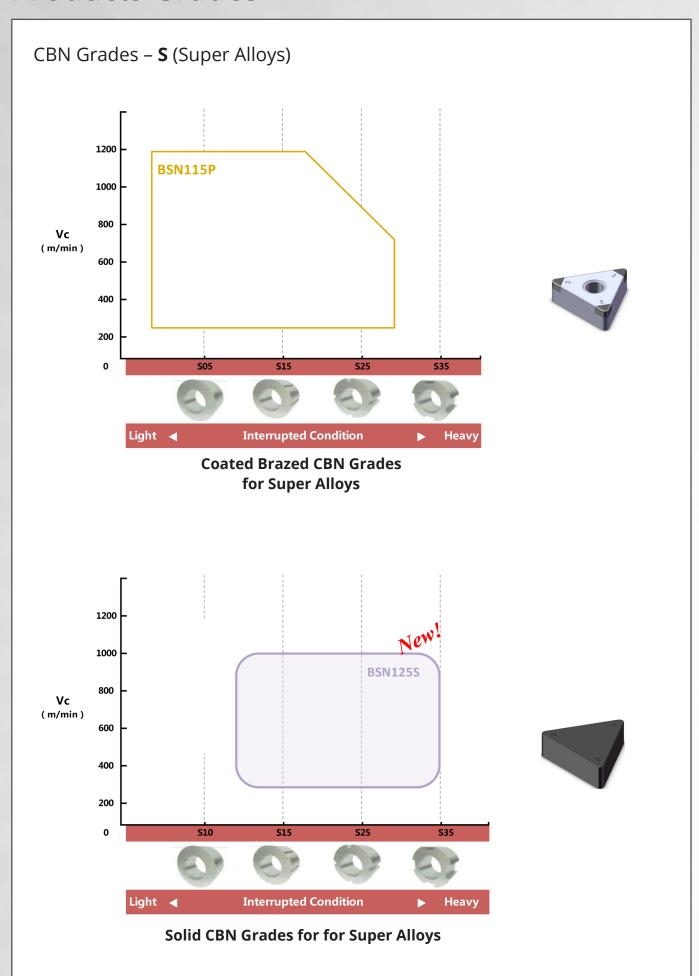
ISO	Workpiece Material	Hardness	Cutting Range	Appli- cation	Grade	Min-Optimum-Max		
150						Vc(m/min)	ap(mm)	f(mm/rev)
	Gray cast iron	HB200~230	Finishing	General	BKN115P	400-600-1500	0.05-0.20-0.50	0.05-0.20-0.40
K	Alloy cast iron	≽HB200	Finishing	General	BKN115P	200-400-800	0.05-0.20-0.50	0.05-0.20-0.40
	Nodular cast iron	QT450~QT700	Finishing	General	BKC120P	150-300-500	0.10-0.20-0.50	0.05-0.12-0.30
H	Hardened Material	≽HRC50	Finishing	Continous	BHC115P	120-150-220	0.05-0.10-0.20	0.05-0.10-0.20
	Hardened Material	≽HRC50	Finishing- Rounging	General	BHC125P	100-130-180	0.05-0.10-0.50	0.05-0.10-0.20
	Hardened Material	≽HRC50	Finishing-Semi- finishing	interrupt	BHC135P	80-100-150	0.05-0.10-0.40	0.05-0.10-0.20
S	Powder Metallurgy	HRB50~90	Finishing	Continous	BSN115P	50-150-300	0.05-0.20-0.50	0.05-0.12-0.30



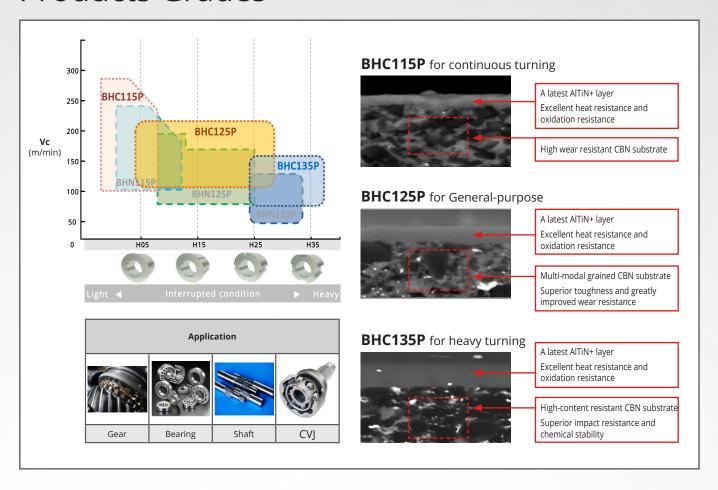




**Solid CBN Grades for Cast iron** 



### **Products Grades**



### BHC115P for continuous turning New!

#### > Application

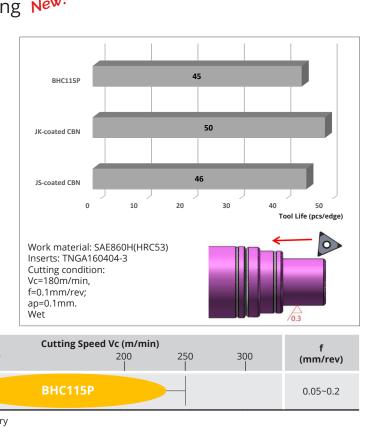
Suitable for continuous to light interrupted cutting of a wide range of hardened steels up to 65 HRC.

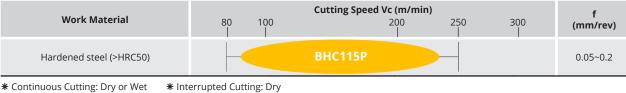
#### > Improve performance

1.3 times tool life longer than uncoated CBN BHN115P

#### > Superior surface machining quality

High-accuracy machining with a required surface roughness of Ra0.3.





### **Products Grades**

### BHC125P for General-purpose New!

#### > Application

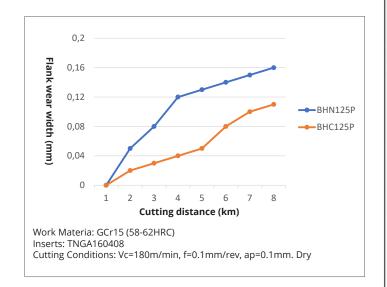
General-purpose grade suitable for typical hardened steel machining applications.

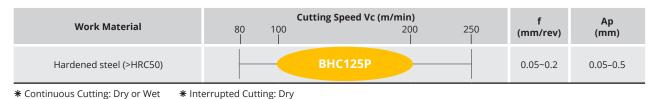
#### > Improve performance

1.3 times tool life longer than uncoated CBN BHN125P.

#### > Good surface machining quality

High-accuracy machining with a required surface roughness of Ra0.6.





### BHC135P for heavy turning New!

#### > Application

Suitable for heavy interrupted cutting of hardened steel.

#### > Improve performance

1.2 times tool life longer than uncoated CBN BHN135P.

#### > Superior edge toughness

Suitable for mild interrupted cutting application, such as gear machining..



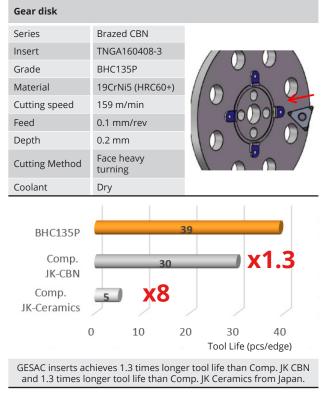


Work Material	Cutting Speed Vc (m/min)  80 100 200 250			f (mm/rev)	Ap (mm)
Hardened steel (>HRC50)	ВНС135Р			0.05~0.2	0.05-0.4

<sup>\*</sup> Continuous Cutting: Dry or Wet

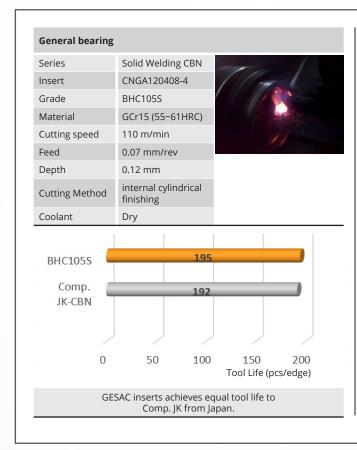
### Processing Case for Gear

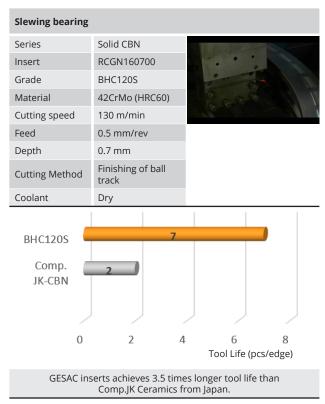




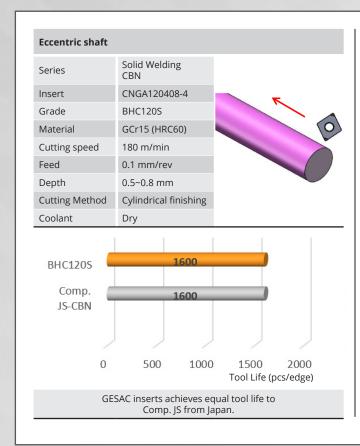
# Processing Case for Bearing

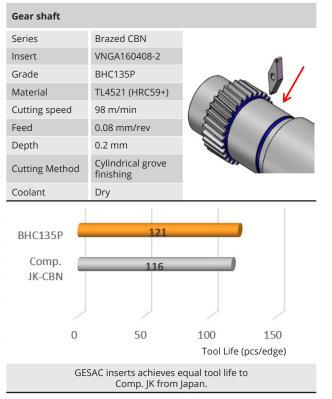
**HARDENED STEEL** 





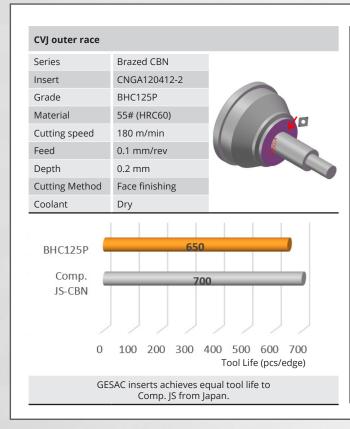
### Processing Case for Shaft

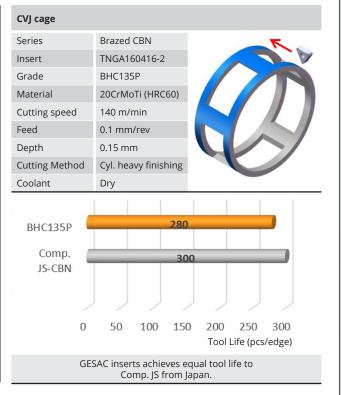




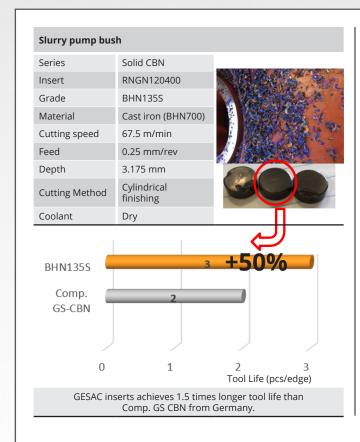
### Processing Case for CVJ

**HARDENED STEEL** 



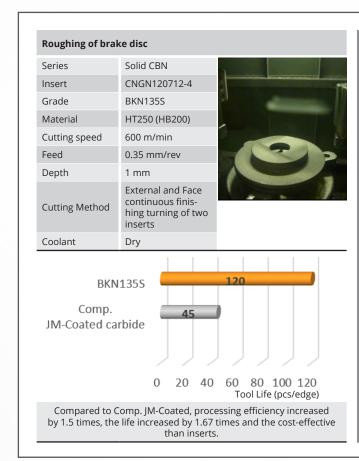


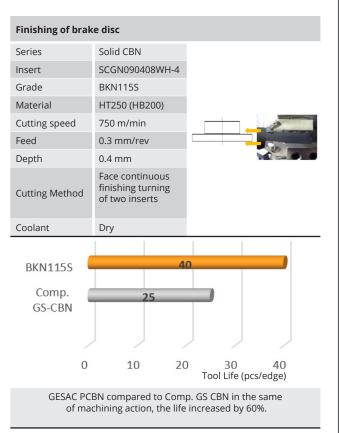
## Processing Case for Slurry pump





### Processing Case for Brake disc

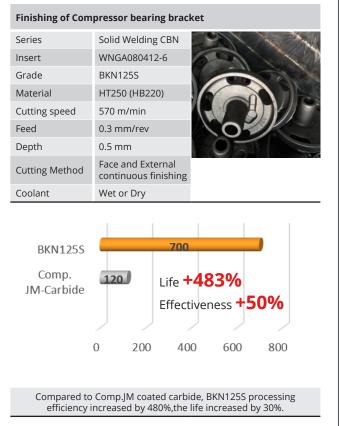






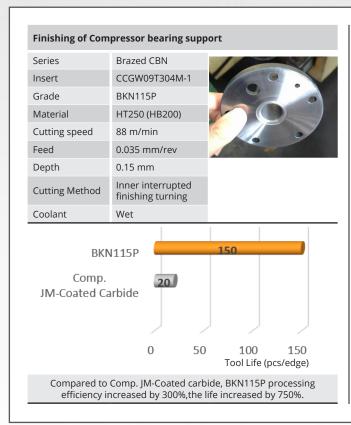
### Processing Case for Compressor parts

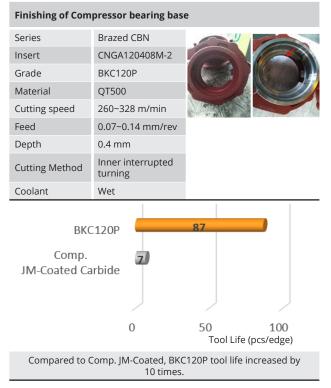




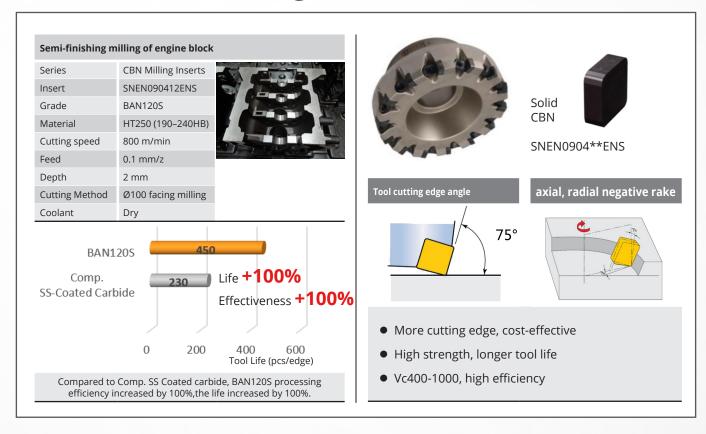
## Processing Case for Compressor parts

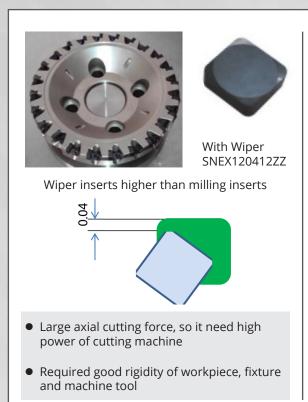
**CAST IRON** 

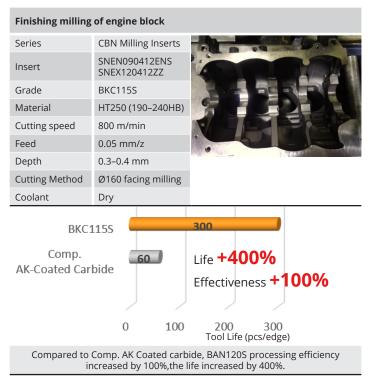




### Processing Case for Engine block

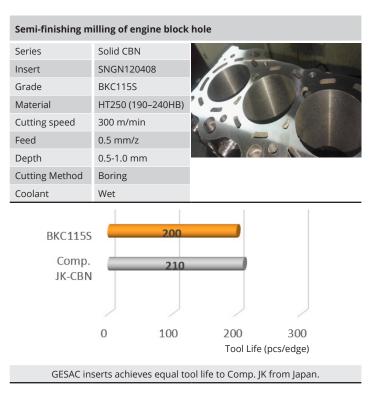




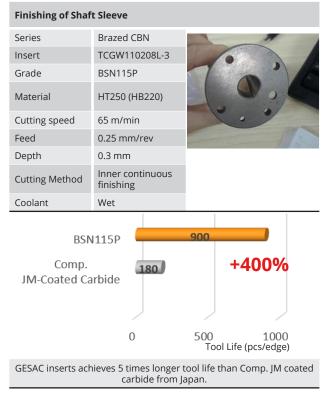


## Processing Case for Engine block



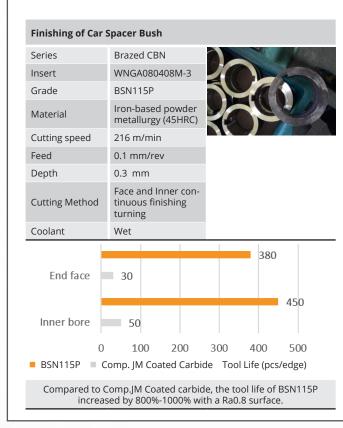


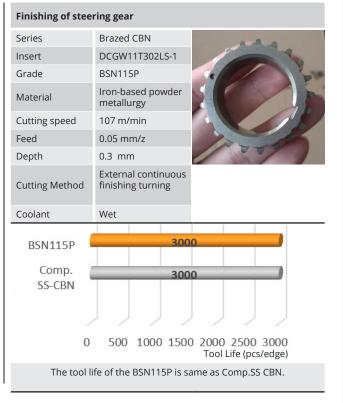




### Processing Case for Bush and Gear

**SUPER ALLOYS** 





# Kvalitet og ydeevne til attraktive priser

Den bedste produktionsøkonomi er baseret på en kombination af god ydeevne og gode indkøbspriser. Med Gesac´s CBN vendeskær til drejning tilbyder vi en kvalitet og ydeevne, der er med til at lede udviklingen sammen med et prisbillede, der mildt sagt kan beskrives som meget gunstigt. vi vil løbende udvide vores lager ud fra vores kunders behov og præsenterer omkring 100 forskellige skær fra den nye serie i vores e-handel. Nedenfor finder du nogle prøver!

















