

CBN BREAKER INSERT

FEATURES

● Chip Breaker Geometry Designed for Excellent Chip Control

R-shaped chip breaker ensures optimization of the cutting point and the chip breaker position. Enables effective chip discharge even when copying and also prevents the fine chips generated during finishing operations from wrapping round the tool holder. Additionally, positive inserts are available that offer improved chip disposal when boring.

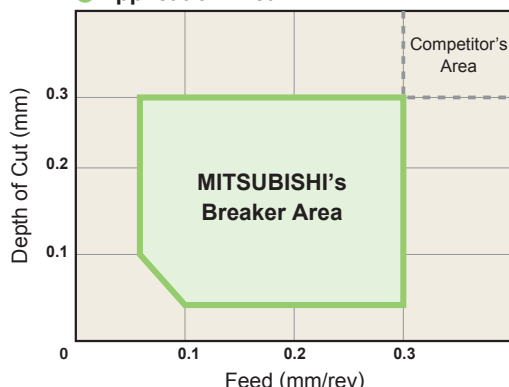
● Long Life Coated CBN Grade

The coated grade MBC020 made with MIRACLE coating technology exhibits high cutting performance over a wide range of machining applications from continuous through to medium interrupted cutting.



CBN & PCD TURNING INSERTS

● Application Area



● External Turning



<Cutting Conditions>

Workpiece : Alloy Steel (55HRC)
 Insert : BF-CNCG120408TA4
 Cutting Speed : 100m/min
 Feed : 0.2mm/rev
 Depth of Cut : 0.1mm
 Dry Cutting

MITSUBISHI's Breaker



Competitor's Breaker



MULTI-CORNER TYPE INSERTS

- A single sided, multi-corner type insert has no cutting edges on the underside.
 The type of grade is stamped on the upper side.

Double Sided, multi-corner type insert

Available in MBC020 grade.

NP-CNGA120408GA4

No. of Cutting Edge Corners _____

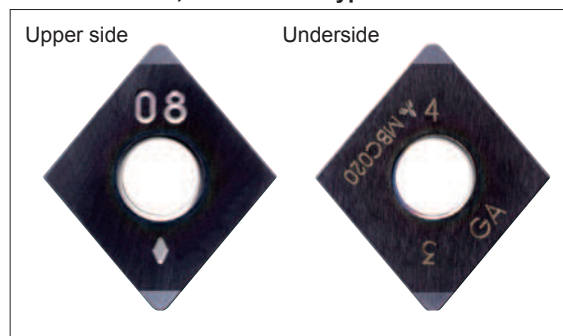
Single Sided, multi-corner type insert

Available in CBN grades except MB810.

NP-CNGA120408GA2

No. of Cutting Edge Corners _____

Double sided, multi-corner type insert



Corner R0.2 insert

Corner R0.2 inserts are available in MBC020, making it suitable for copying and corner radius machining.