

USING THIS CATALOGUE

- This catalogue was made in show only 2014.
- Please note that products in this catalogue are continuously reviewed and updated. The products therefore may be changed in the future and thus differ from what is shown in catalogue.
- Stock status is mentioned for the products in this catalogue. However, please note that the products here may be replaced by new grades and products in the future.

- Stock status indication
 - : Inventory maintained.
 - ★ : Inventory maintained in Japan.
 - : Non stock, produced to order only.
 - ▲ : Inventory maintained. To be replaced by new products.
- (Note) Please contact us regarding grades and order numbers that are not mentioned in this catalogue.

HOW TO USE THIS CATALOGUE

In this catalogue our cutting tools are classified into three main categories, turning tools, milling tools and drilling tools, which are arranged according to types of machining respectively. This helps you to find the most suitable products through the references as follows. Please read the instructions to find the best products for your purpose.

- To find the products through the INDEX.**
 - Turning tools are classified by a green colouring.
 - Milling tools are classified by a blue colouring.
 - Drilling tools are classified by a red colouring.
 For the others, refer to the index on the following title page.
- To find the series of products from the contents of the inside title.**

Contents of each block are listed on the inside title.
- To find the product from the classification of each book according to applications.**

The classification page of each block shows the series of products to be selected according to application and purpose.
- To find the product through the main index of tool numbers.**

When the tool number of the product or the name of the parts are known, refer to the main index of tool numbers where items are listed alphabetically.

⑤ How to use the block page.

The usage guide for the section page is shown on the left page of the inside title (not for all sections). Refer to this page to know how to read the product information and how the page is organised.

Left Page of the Inside Title Classification colouring for turning tools.

TURNING INSERT GRADES INSERT STANDARDS	
IDENTIFICATION	A000
HOLE SECURITY	A001
PRECISION BREAKER SYSTEM	A002
OUTLINE OF TDOU HWF	A003
OPTIMUM GRADES AND CHIP BREAKERS FOR EXTERNAL TURNING	A010
PRECISION BREAKER SYSTEM	A020
WIPER INSERT	A030
GRADED POINT TURNING	A040
TURNING APPLICATION RANGE	A050
COATED CARBIDE (PVD)	A060
COATED CARBIDE (PVD)	A070
CERMET	A080
COATED CERMET	A090
CERMET	A100
COATED CERMET	A110
COATED CERMET	A120
COATED CERMET	A130
COATED CERMET	A140
COATED CERMET	A150
COATED CERMET	A160
COATED CERMET	A170
COATED CERMET	A180
COATED CERMET	A190
COATED CERMET	A200
COATED CERMET	A210
COATED CERMET	A220
COATED CERMET	A230
COATED CERMET	A240
COATED CERMET	A250
COATED CERMET	A260
COATED CERMET	A270
COATED CERMET	A280
COATED CERMET	A290
COATED CERMET	A300
COATED CERMET	A310
COATED CERMET	A320
COATED CERMET	A330
COATED CERMET	A340
COATED CERMET	A350
COATED CERMET	A360
COATED CERMET	A370
COATED CERMET	A380
COATED CERMET	A390
COATED CERMET	A400
COATED CERMET	A410
COATED CERMET	A420
COATED CERMET	A430
COATED CERMET	A440
COATED CERMET	A450
COATED CERMET	A460
COATED CERMET	A470
COATED CERMET	A480
COATED CERMET	A490
COATED CERMET	A500
COATED CERMET	A510
COATED CERMET	A520
COATED CERMET	A530
COATED CERMET	A540
COATED CERMET	A550
COATED CERMET	A560
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COATED CERMET	A580
COATED CERMET	A590
COATED CERMET	A600
COATED CERMET	A610
COATED CERMET	A620
COATED CERMET	A630
COATED CERMET	A640
COATED CERMET	A650
COATED CERMET	A660
COATED CERMET	A670
COATED CERMET	A680
COATED CERMET	A690
COATED CERMET	A700
COATED CERMET	A710
COATED CERMET	A720
COATED CERMET	A730
COATED CERMET	A740
COATED CERMET	A750
COATED CERMET	A760
COATED CERMET	A770
COATED CERMET	A780
COATED CERMET	A790
COATED CERMET	A800
COATED CERMET	A810
COATED CERMET	A820
COATED CERMET	A830
COATED CERMET	A840
COATED CERMET	A850
COATED CERMET	A860
COATED CERMET	A870
COATED CERMET	A880
COATED CERMET	A890
COATED CERMET	A900
COATED CERMET	A910
COATED CERMET	A920
COATED CERMET	A930
COATED CERMET	A940
COATED CERMET	A950
COATED CERMET	A960
COATED CERMET	A970
COATED CERMET	A980
COATED CERMET	A990
COATED CERMET	A001

Right Page of the Inside Title Classification coloring for turning inserts.

Inside Title for Turning Inserts

● How the Text and Index are organised

TURNING INSERTS (NEGATIVE)
80° CN TYPE INSERTS WITH HOLE
 CNMG 12 04 02-FH

CHIP CONTROL RANGE FOR WORK MATERIALS

Work Material	Order Number	Re. Index	Classification
FH	CNMG120404-FH	0.4	●
	120404-FH	0.4	●
	120404-FH	0.8	●
	120412-FH	1.2	●
FS	CNMG120404-FS	0.4	●
	120404-FS	0.8	●
FY	CNMG120404-FY	0.4	●
	120404-FY	0.8	●
FJ	CNMG120404-FJ	0.05	●
	120401-FJ	0.1	●
	120404-FJ	0.2	●
PK	CNMG120404-PK	0.4	●
	120404-PK	0.8	●
LP	CNMG120404-LP	0.4	●
	120404-LP	0.8	●
LM	CNMG120404-LM	0.4	●
	120412-LM	1.2	●

Shape	Order Number	Re. Index	Classification
LK	CNMG120404-LK	0.4	●
	120408-LK	0.8	●
LS	CNMG120404-LS	0.4	●
	120408-LS	0.8	●
SH	CNMG097304-SH	0.4	●
	097306-SH	0.8	●
	097315-SH	1.2	●
	120404-SH	0.4	●
SA	CNMG120404-SA	0.4	●
	120408-SA	0.8	●
SW	CNMG120404-SW	0.4	●
	120408-SW	0.8	●
SY	CNMG120404-SY	0.4	●
	120408-SY	0.8	●
MJ	CNMG120404-MJ	0.4	●
	120408-MJ	0.8	●
	120412-MJ	1.2	●
	120415-MJ	1.5	●

Large Index Product Section

Middle Index Title