

# KTBC

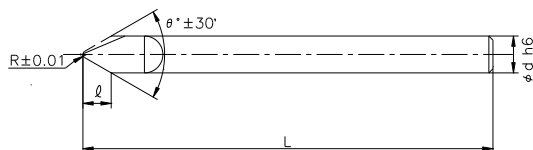
## 超硬彫刻用カッター・1枚刃 半月タイプ (先端R付) Tungsten Carbide For marking Cutter

### ■先端R形状

Tip R Shape

### ■先端R0.05、R0.1、R0.2、R0.3で30° 40° 50° 60° 90°をラインナップしました

Tip Radius R0.05, R0.1, R0.2, R0.3 and 30°, 40°, 50°, 60°, 90° are available



| 被削材 Workpiece                     |                     |                                   |                               |                 |                         |
|-----------------------------------|---------------------|-----------------------------------|-------------------------------|-----------------|-------------------------|
| 一般構造鋼<br>General Structural Steel | 炭素鋼<br>Carbon Steel | 合金鋼・工具鋼<br>Alloy Steel Tool Steel | プリハードン鋼<br>Pre-Hardened Steel | 鋳鉄<br>Cast Iron | アルミ合金<br>Aluminum Alloy |
| ○                                 | ○                   | ○                                 | ○                             | ○               | ○                       |

●切削条件表はP256に記載

●Cutting conditions are recommended on page 256.



単位 [寸法: mm]  
Unit [size: mm]

| 品番<br>Code No. | 先端径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter |
|----------------|-------------------------|----------------------|----------------------|------------------------|
| KTBC-300053    | <b>R0.05</b>            | 5.45                 | 50                   | 3                      |
| KTBC-300103    | <b>R0.1</b>             | 5.31                 | 50                   | 3                      |
| KTBC-300203    | <b>R0.2</b>             | 5.03                 | 50                   | 3                      |
| KTBC-300303    | <b>R0.3</b>             | 4.74                 | 50                   | 3                      |
| KTBC-300054    | <b>R0.05</b>            | 7.32                 | 50                   | 4                      |
| KTBC-300104    | <b>R0.1</b>             | 7.18                 | 50                   | 4                      |
| KTBC-300204    | <b>R0.2</b>             | 6.89                 | 50                   | 4                      |
| KTBC-300304    | <b>R0.3</b>             | 6.6                  | 50                   | 4                      |
| KTBC-300056    | <b>R0.05</b>            | 11.05                | 50                   | 6                      |
| KTBC-300106    | <b>R0.1</b>             | 10.91                | 50                   | 6                      |
| KTBC-300206    | <b>R0.2</b>             | 10.62                | 50                   | 6                      |
| KTBC-300306    | <b>R0.3</b>             | 10.34                | 50                   | 6                      |



単位 [寸法: mm]  
Unit [size: mm]

| 品番<br>Code No. | 先端径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter |
|----------------|-------------------------|----------------------|----------------------|------------------------|
| KTBC-500053    | <b>R0.05</b>            | 3.15                 | 50                   | 3                      |
| KTBC-500103    | <b>R0.1</b>             | 3.08                 | 50                   | 3                      |
| KTBC-500203    | <b>R0.2</b>             | 2.94                 | 50                   | 3                      |
| KTBC-500303    | <b>R0.3</b>             | 2.81                 | 50                   | 3                      |
| KTBC-500054    | <b>R0.05</b>            | 4.22                 | 50                   | 4                      |
| KTBC-500104    | <b>R0.1</b>             | 4.15                 | 50                   | 4                      |
| KTBC-500204    | <b>R0.2</b>             | 4.02                 | 50                   | 4                      |
| KTBC-500304    | <b>R0.3</b>             | 3.88                 | 50                   | 4                      |
| KTBC-500056    | <b>R0.05</b>            | 6.37                 | 50                   | 6                      |
| KTBC-500106    | <b>R0.1</b>             | 6.3                  | 50                   | 6                      |
| KTBC-500206    | <b>R0.2</b>             | 6.16                 | 50                   | 6                      |
| KTBC-500306    | <b>R0.3</b>             | 6.02                 | 50                   | 6                      |



単位 [寸法: mm]  
Unit [size: mm]

| 品番<br>Code No. | 先端径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter |
|----------------|-------------------------|----------------------|----------------------|------------------------|
| KTBC-400053    | <b>R0.05</b>            | 4.03                 | 50                   | 3                      |
| KTBC-400103    | <b>R0.1</b>             | 3.93                 | 50                   | 3                      |
| KTBC-400203    | <b>R0.2</b>             | 3.74                 | 50                   | 3                      |
| KTBC-400303    | <b>R0.3</b>             | 3.54                 | 50                   | 3                      |
| KTBC-400054    | <b>R0.05</b>            | 5.4                  | 50                   | 4                      |
| KTBC-400104    | <b>R0.1</b>             | 5.3                  | 50                   | 4                      |
| KTBC-400204    | <b>R0.2</b>             | 5.11                 | 50                   | 4                      |
| KTBC-400304    | <b>R0.3</b>             | 4.92                 | 50                   | 4                      |
| KTBC-400056    | <b>R0.05</b>            | 8.15                 | 50                   | 6                      |
| KTBC-400106    | <b>R0.1</b>             | 8.05                 | 50                   | 6                      |
| KTBC-400206    | <b>R0.2</b>             | 7.86                 | 50                   | 6                      |
| KTBC-400306    | <b>R0.3</b>             | 7.67                 | 50                   | 6                      |



単位 [寸法: mm]  
Unit [size: mm]

| 品番<br>Code No. | 先端径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter |
|----------------|-------------------------|----------------------|----------------------|------------------------|
| KTBC-600053    | <b>R0.05</b>            | 2.55                 | 50                   | 3                      |
| KTBC-600103    | <b>R0.1</b>             | 2.5                  | 50                   | 3                      |
| KTBC-600203    | <b>R0.2</b>             | 2.4                  | 50                   | 3                      |
| KTBC-600303    | <b>R0.3</b>             | 2.3                  | 50                   | 3                      |
| KTBC-600054    | <b>R0.05</b>            | 3.41                 | 50                   | 4                      |
| KTBC-600104    | <b>R0.1</b>             | 3.36                 | 50                   | 4                      |
| KTBC-600204    | <b>R0.2</b>             | 3.26                 | 50                   | 4                      |
| KTBC-600304    | <b>R0.3</b>             | 3.16                 | 50                   | 4                      |
| KTBC-600056    | <b>R0.05</b>            | 5.15                 | 50                   | 6                      |
| KTBC-600106    | <b>R0.1</b>             | 5.1                  | 50                   | 6                      |
| KTBC-600206    | <b>R0.2</b>             | 5                    | 50                   | 6                      |
| KTBC-600306    | <b>R0.3</b>             | 4.9                  | 50                   | 6                      |



底面 R 形状

**KTBC**



単位[寸法:mm]  
Unit[size:mm]

| 品番<br>Code No. | 先端径 D<br>Flute Diameter | 刃長 $\ell$<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter |
|----------------|-------------------------|---------------------------|----------------------|------------------------|
| KTBC-900053    | <b>R0.05</b>            | 1.48                      | 50                   | 3                      |
| KTBC-900103    | <b>R0.1</b>             | 1.46                      | 50                   | 3                      |
| KTBC-900203    | <b>R0.2</b>             | 1.42                      | 50                   | 3                      |
| KTBC-900303    | <b>R0.3</b>             | 1.38                      | 50                   | 3                      |
| KTBC-900054    | <b>R0.05</b>            | 1.98                      | 50                   | 4                      |
| KTBC-900104    | <b>R0.1</b>             | 1.96                      | 50                   | 4                      |
| KTBC-900204    | <b>R0.2</b>             | 1.92                      | 50                   | 4                      |
| KTBC-900304    | <b>R0.3</b>             | 1.88                      | 50                   | 4                      |
| KTBC-900056    | <b>R0.05</b>            | 2.98                      | 50                   | 6                      |
| KTBC-900106    | <b>R0.1</b>             | 2.96                      | 50                   | 6                      |
| KTBC-900206    | <b>R0.2</b>             | 2.92                      | 50                   | 6                      |
| KTBC-900306    | <b>R0.3</b>             | 2.88                      | 50                   | 6                      |

単位[寸法:mm]  
Unit[size:mm]

[illegible]

超硬力ツター

Carbide  
Cutter

# KTC、KTBC

## 切削条件参考

Referential Cutting Conditions

|                       |                                                                     |                                                      |                                          |                                   |
|-----------------------|---------------------------------------------------------------------|------------------------------------------------------|------------------------------------------|-----------------------------------|
| 被削材<br>Workpiece      | 炭素鋼・一般構造用鋼<br>Carbon Steel・<br>General Structural Steel<br>S55C・SS材 | ステンレス鋼<br>Stainless Steel<br><br>SUS303・SUS30・SUS416 | アルミニウム合金<br>Aluminum Alloy<br><br>ADC・AC | 金・銀・プラスチック<br>Gold・Silver・Plastic |
| 切削速度<br>Cutting Speed | 70～80m/min                                                          | 70～150m/min                                          | 70～250m/min                              | 80～200m/min                       |
| 備 考<br>Remarks        | ・加工形状により切削速度、送り速度を調整して下さい。<br>・切削油を使用して下さい。                         |                                                      |                                          |                                   |

超硬  
カッター

Carbide  
Cutter