

# 小零件加工用 切断工具

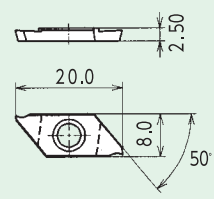
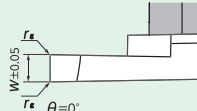
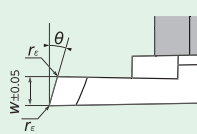
## 适用刀片 CTP型 右手刀片

| 刀片形状                               | 刀尖形状 | 刀片型号                               | 尺寸 (mm) |      |      | 最大切断直径<br>(mm)<br>φD | 库存  |     |     |     |     |     |     |
|------------------------------------|------|------------------------------------|---------|------|------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|                                    |      |                                    | w       | θ    | rε   |                      | ST4 | DT4 | DM4 | QM3 | ZM3 | VM1 | KM1 |
|                                    |      | CTP 05FR -SH                       | 0.5     | 16°  | 0.05 | 5.0                  |     |     |     |     | ●   |     |     |
|                                    |      | CTP 07FR                           | 0.7     | 16°  | 0.05 | 8.0                  |     |     |     |     | ●   |     |     |
|                                    |      | CTP 10FR -SH                       | 1.0     | 16°  | 0.05 | 7.0                  |     | ●   |     |     | ●   |     |     |
|                                    |      | CTP 10FR                           | 1.0     | 16°  | 0.05 | 12.0                 |     |     |     |     | ●   |     |     |
|                                    |      | CTP 10FR -CX                       | 1.0     | 16°  | 0.05 | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                    |      | CTP 10FR -TH                       | 1.0     | 16°  | 0.05 | 12.0                 | ●   |     |     |     |     |     |     |
|                                    |      | CTP 10FRV <small>无屑屑槽 镜面抛光</small> | 1.0     | 20°  | 0.00 | 12.0                 |     | ●   |     |     | ●   | ●   | ●   |
|                                    |      | CTP 13FR                           | 1.3     | 16°  | 0.05 | 12.0                 |     | ●   |     |     | ●   |     |     |
|                                    |      | CTP 13FR -CX                       | 1.3     | 16°  | 0.05 | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                    |      | CTP 15FR                           | 1.5     | 16°  | 0.05 | 12.0                 |     | ●   |     |     | ●   | ●   |     |
|                                    |      | CTP 15FR -CX                       | 1.5     | 16°  | 0.05 | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                    |      | CTP 15FR -TH                       | 1.5     | 16°  | 0.05 | 12.0                 | ●   |     |     |     |     |     |     |
|                                    |      | CTPX 15FR                          | 1.5     | 16°  | 0.05 | 12.0                 |     |     |     |     | ●   | ●   |     |
|                                    |      | CTP 15FRX <small>刀尖强化</small>      | 1.5     | 16°  | 0.05 | 12.0                 |     | ●   |     |     | ●   |     |     |
|                                    |      | CTP 15FRV <small>无屑屑槽 镜面抛光</small> | 1.5     | 20°  | 0.00 | 12.0                 |     |     |     |     | ●   | ●   | ●   |
|                                    |      | CTP 20FR                           | 2.0     | 16°  | 0.05 | 12.0                 |     |     |     |     | ●   |     |     |
|                                    |      | CTP 20FR -TH                       | 2.0     | 16°  | 0.05 | 12.0                 | ●   |     |     |     |     |     |     |
|                                    |      | CTPX 20FR                          | 2.0     | 16°  | 0.05 | 12.0                 |     |     |     |     | ●   | ●   |     |
| CTP 20FRX <small>刀尖强化</small>      | 2.0  | 16°                                | 0.05    | 12.0 |      |                      |     |     | ●   |     |     |     |     |
| CTP 20FRV <small>无屑屑槽 镜面抛光</small> | 2.0  | 20°                                | 0.05    | 12.0 |      |                      |     |     | ●   | ●   | ●   |     |     |

※ θ为安装于刀杆时的值

- A 新产品
- B 刀具材料种类
- C 标准刀片
- D 用外径加工
- E 小零件加工
- F 槽刀工具
- G 螺纹加工
- H 加内径镗刀
- I 工夹具
- J 铣小径刀立
- K 钻舍弃头式
- L 用加工中心
- M 技术资料
- N 索引

## 适用刀片 CTP型 右手刀片

| 刀片形状  | 刀尖形状   | 刀片型号            | 尺寸 (mm) |                  |                | 最大切断直径<br>(mm)<br>$\phi D$ | 库存  |     |     |     |     |     |     |
|---|--|-----------------|---------|------------------|----------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|
|   |  |                 | W       | $\theta^{\circ}$ | $r_{\epsilon}$ |                            | ST4 | DT4 | DM4 | QM3 | ZM3 | VM1 | KM1 |
|  |  | CTP 05FRN -SH   | 0.5     | 0°               | 0.05           | 5.0                        |     |     |     |     | ●   |     |     |
|   |  | CTP 10FRN -SH   | 1.0     | 0°               | 0.05           | 7.0                        |     | ●   |     |     | ●   |     |     |
|   |  | CTP 10FRN       | 1.0     | 0°               | 0.05           | 12.0                       |     | ●   |     |     | ●   |     |     |
|   |  | CTP 10FRN -CX   | 1.0     | 0°               | 0.05           | 12.0                       | ●   |     | ●   |     |     |     |     |
|   |  | CTP 10FRN -TH   | 1.0     | 0°               | 0.05           | 12.0                       | ●   |     |     |     |     |     |     |
|   |  | CTP 13FRN       | 1.3     | 0°               | 0.05           | 12.0                       |     | ●   |     |     | ●   |     |     |
|   |  | CTP 13FRN -CX   | 1.3     | 0°               | 0.05           | 12.0                       | ●   |     | ●   |     |     |     |     |
|   |  | CTP 13FRN02 -CX | 1.3     | 0°               | 0.2            | 12.0                       | ●   |     | ●   |     |     |     |     |
|   |  | CTP 15FRN       | 1.5     | 0°               | 0.05           | 12.0                       |     |     |     |     | ●   | ●   |     |
|   |  | CTPX 15FRN      | 1.5     | 0°               | 0.05           | 12.0                       |     | ●   |     | ●   |     |     |     |
|   |  | CTP 15FRN -CX   | 1.5     | 0°               | 0.05           | 12.0                       | ●   |     | ●   |     |     |     |     |
|   |  | CTP 15FRN02 -CX | 1.5     | 0°               | 0.2            | 12.0                       | ●   |     | ●   |     |     |     |     |
|   |  | CTP 15FRN -TH   | 1.5     | 0°               | 0.05           | 12.0                       | ●   |     |     |     |     |     |     |
|   |  | CTP 15FRNX      | 1.5     | 0°               | 0.05           | 12.0                       |     |     |     |     | ●   |     |     |
|   |  | CTP 15FRNV      | 1.5     | 0°               | 0.05           | 12.0                       |     |     |     |     |     |     | ●   |
|   | CTP 20FRN  | 2.0             | 0°      | 0.05             | 12.0           |                            |     |     |     | ●   | ●   |     |     |
|   | CTP 20FRN -TH  | 2.0             | 0°      | 0.05             | 12.0           | ●                          | ●   |     |     |     |     |     |     |
|   | CTPX 20FRN   | 2.0             | 0°      | 0.05             | 12.0           |                            |     |     | ●   |     |     |     |     |
|   | CTP 20FRNX   | 2.0             | 0°      | 0.05             | 12.0           |                            |     |     |     | ●   |     |     |     |
|   | CTP 20FRNV   | 2.0             | 0°      | 0.05             | 12.0           |                            |     |     |     |     |     | ●   |     |
|  | CTP 10FRK  | 1.0             | 16°     | 0.05             | 11.0           |                            |     |     |     | ●   |     |     |     |
|   | CTP 13FRK  | 1.3             | 16°     | 0.05             | 11.0           |                            | ●   |     |     | ●   |     |     |     |
|   | CTP 15FRK  | 1.5             | 16°     | 0.05             | 11.0           |                            |     |     |     | ●   |     |     |     |
|   | CTP 20FRK  | 2.0             | 16°     | 0.05             | 11.0           |                            |     |     |     | ●   |     |     |     |

※  $\theta$  为安装于刀杆时的值

A 新产品

B 刀具材料种类

C 标准刀片

D 外径加工

E 小零件加工

F 槽刀工具

G 螺纹加工

H 内径镗刀

I 工夹具

J 铣小径刀立

K 钻舍弃头式

L 加工中心刀心

M 技术资料

N 索引

## 适用刀片 CTP型 左手刀片

| 刀片形状          | 刀尖形状 | 刀片型号                                | 尺寸 (mm) |      |      | 最大切断直径<br>(mm)<br>φD | 库存  |     |     |     |     |     |     |
|---------------|------|-------------------------------------|---------|------|------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|               |      |                                     | w       | θ°   | rε   |                      | ST4 | DT4 | DM4 | QM3 | ZM3 | VM1 | KM1 |
|               |      | CTP 05FLK -SH                       | 0.5     | 16°  | 0.03 | 5.0                  |     |     |     |     | ●   |     |     |
|               |      | CTP 10FLK -SH                       | 1.0     | 16°  | 0.05 | 7.0                  |     | ●   |     |     | ●   |     |     |
|               |      | CTP 10FLK                           | 1.0     | 16°  | 0.05 | 11.0                 |     | ●   |     |     | ●   |     |     |
|               |      | CTP 10FLK -CX                       | 1.0     | 16°  | 0.05 | 11.0                 | ●   |     | ●   |     |     |     |     |
|               |      | CTP 10FLK -TH                       | 1.0     | 16°  | 0.05 | 11.0                 | ●   |     |     |     |     |     |     |
|               |      | CTP 13FLK                           | 1.3     | 16°  | 0.05 | 11.0                 |     | ●   |     |     | ●   |     |     |
|               |      | CTP 13FLK -CX                       | 1.3     | 16°  | 0.05 | 11.0                 | ●   |     | ●   |     |     |     |     |
|               |      | CTP 15FLK                           | 1.5     | 16°  | 0.05 | 11.0                 |     |     |     |     | ●   | ●   |     |
|               |      | CTP 15FLK -CX                       | 1.5     | 16°  | 0.05 | 11.0                 | ●   |     | ●   |     |     |     |     |
|               |      | CTP 15FLK -TH                       | 1.5     | 16°  | 0.05 | 11.0                 | ●   |     |     |     |     |     |     |
|               |      | CTPX 15FLK                          | 1.5     | 16°  | 0.05 | 11.0                 |     | ●   |     | ●   |     |     |     |
|               |      | CTP 15FLKB                          | 1.5     | 16°  | 0.05 | 11.0                 |     |     |     |     | ●   |     |     |
|               |      | CTP 15FLKV <small>无屑屑槽 镜面抛光</small> | 1.5     | 20°  | 0.00 | 11.0                 |     |     |     |     |     | ●   | ●   |
|               |      | CTP 20FLK                           | 2.0     | 16°  | 0.05 | 11.0                 |     |     |     |     | ●   | ●   |     |
| CTP 20FLK -TH | 2.0  | 16°                                 | 0.00    | 11.0 | ●    |                      |     |     |     |     |     |     |     |
| CTPX 20FLK    | 2.0  | 16°                                 | 0.05    | 11.0 |      | ●                    |     | ●   |     |     |     |     |     |

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A 新产品

B 刀具材料种类  
排屑槽

C 标准刀片  
库存一覽片

D 外径加工  
用刀片加工

E 小零件加工  
用刀具加

F 槽刀工具

G 螺纹加工

H 内径加工  
用镗刀

I 具有  
之工具

J 小径刀立  
铣刀

K 钻头式  
舍弃

L 加工中心  
用铣刀

M 技术资料

N 索引

## 适用刀片 CTP型 左手刀片

| 刀片形状                                 | 刀尖形状                                 | 刀片型号             | 尺寸 (mm) |      |                | 最大切断直径<br>(mm)<br>φD | 库存  |     |     |     |     |     |     |
|--------------------------------------|--------------------------------------|------------------|---------|------|----------------|----------------------|-----|-----|-----|-----|-----|-----|-----|
|                                      |                                      |                  | W       | θ*   | r <sub>ε</sub> |                      | ST4 | DT4 | DM4 | QM3 | ZM3 | VM1 | KM1 |
|                                      |                                      | CTP 05FLN - SH   | 0.5     | 0°   | 0.03           | 5.0                  |     |     |     |     | ●   |     |     |
|                                      |                                      | CTP 10FLN - SH   | 1.0     | 0°   | 0.05           | 7.0                  |     | ●   |     |     | ●   |     |     |
|                                      |                                      | CTP 10FLN        | 1.0     | 0°   | 0.05           | 12.0                 |     | ●   |     |     | ●   |     |     |
|                                      |                                      | CTP 10FLN - CX   | 1.0     | 0°   | 0.05           | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                      |                                      | CTP 10FLN - TH   | 1.0     | 0°   | 0.05           | 12.0                 | ●   |     |     |     |     |     |     |
|                                      |                                      | CTP 13FLN        | 1.3     | 0°   | 0.05           | 12.0                 |     | ●   |     |     | ●   |     |     |
|                                      |                                      | CTP 13FLN - CX   | 1.3     | 0°   | 0.05           | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                      |                                      | CTP 13FLN02 - CX | 1.3     | 0°   | 0.2            | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                      |                                      | CTP 15FLN        | 1.5     | 0°   | 0.05           | 12.0                 |     |     |     |     | ●   | ●   |     |
|                                      |                                      | CTPX 15FLN       | 1.5     | 0°   | 0.05           | 12.0                 |     | ●   |     | ●   |     |     |     |
|                                      |                                      | CTP 15FLN - CX   | 1.5     | 0°   | 0.05           | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                      |                                      | CTP 15FLN02 - CX | 1.5     | 0°   | 0.2            | 12.0                 | ●   |     | ●   |     |     |     |     |
|                                      |                                      | CTP 15FLN - TH   | 1.5     | 0°   | 0.05           | 12.0                 | ●   |     |     |     |     |     |     |
|                                      | CTP 15FLNV <small>无排屑槽 镜面抛光</small>  | 1.5              | 0°      | 0.00 | 12.0           |                      |     |     |     |     |     | ●   |     |
|                                      | CTP 20FLN                            | 2.0              | 0°      | 0.05 | 12.0           |                      |     |     |     | ●   | ●   |     |     |
|                                      | CTP 20FLN - TH                       | 2.0              | 0°      | 0.05 | 12.0           | ●                    |     |     |     |     |     |     |     |
|                                      | CTP 20FLN                            | 2.0              | 0°      | 0.05 | 12.0           |                      | ●   |     | ●   |     |     |     |     |
|                                      | CTPX 20FLNV <small>无排屑槽 镜面抛光</small> | 2.0              | 0°      | 0.00 | 12.0           |                      |     |     |     |     |     | ●   |     |
|                                      |                                      | CTP 07FL         | 0.7     | 16°  | 0.05           | 8.0                  |     |     |     |     | ●   |     |     |
|                                      |                                      | CTP 10FL         | 1.0     | 16°  | 0.05           | 12.0                 |     |     |     |     | ●   |     |     |
| CTP 10FLV <small>无排屑槽 镜面抛光</small>   |                                      | 1.0              | 20°     | 0.00 | 12.0           |                      |     |     |     | ●   | ●   |     |     |
| CTP 13FL                             |                                      | 1.3              | 16°     | 0.05 | 12.0           |                      | ●   |     |     | ●   |     |     |     |
| CTP 15FL                             |                                      | 1.5              | 16°     | 0.05 | 12.0           |                      |     |     |     | ●   |     |     |     |
| CTPX 15FL                            |                                      | 1.5              | 16°     | 0.05 | 12.0           |                      | ●   |     |     |     |     |     |     |
| CTPX 15 FLV <small>无排屑槽 镜面抛光</small> |                                      | 1.5              | 20°     | 0.00 | 12.0           |                      |     |     |     | ●   | ●   |     |     |
| CTP 20FL                             |                                      | 2.0              | 16°     | 0.05 | 12.0           |                      |     |     |     | ●   |     |     |     |
| CTPX 20FL                            |                                      | 2.0              | 16°     | 0.05 | 12.0           |                      | ●   |     |     |     |     |     |     |
| CTP 20FLV <small>无排屑槽 镜面抛光</small>   | 2.0                                  | 20°              | 0.00    | 12.0 |                |                      |     |     | ●   | ●   |     |     |     |

※ θ 为安装于刀杆时的值

A 新产品

B 排屑槽  
工具材料种类

C 标准刀片  
库存一览表

D 外径加工  
刀杆

E 小零件加工  
工用刀具

F 槽刀工具

G 螺纹加工

H 加内径镗刀  
工

I 工之入  
具有

J 铣小径  
刀立

K 钻舍  
弃头式

L 加工中心  
刀心

M 技术资料

N 索引