# CHAmPIOn <br> Locksmith Drills <br> List No. CT705 

Carbide Tipped / Straight Flute

Description \& Application: For non-precision drilling of hardened steel and safes. Ideal for drilling and extracting broken hardened bolts, such as grade 5 and grade 8 .

| EDP No./ <br> Diameter | Decimal <br> Equivalent | Flute <br> Length | Overall <br> Length | EDP No./ <br> Diameter | Decimal <br> Equivalent | Flute <br> Length | Overall <br> Length |
| :--- | :---: | :---: | :---: | :--- | :--- | :--- | :--- |
| CT705-1/8 | .1250 | $1-1 / 2$ | $2-3 / 4$ | CT705-1/4x6 | .2500 | $4-1 / 4$ | 6 |
| CT705-5/32 | .1562 | $1-7 / 8$ | 3 | CT705-5/16x4 | .3125 | $2-1 / 2$ | 4 |
| CT705-3/16 | .1875 | $1-7 / 8$ | 3 | CT705-5/16x6 | .3125 | $4-1 / 4$ | 6 |
| CT705-7/32 | .2187 | $2-1 / 2$ | 4 | CT705-3/8x6 | .3750 | 4 | 6 |
| CT705-1/4×4 | .2500 | $2-1 / 2$ | 4 | CT705-1/2x6 | .5000 | 4 | 6 |

|Description \& Application:
For precision drilling of hardened steel and armor plate in the range of 48 to 65 Rockwell C. Drill body is reduced in size to prevent galling when drilling hard steels.
Use a constant flow of coolant and clear chips frequently. A light feed with steady pressure at 75-100 SFM (surface feed/minute) is recommended.

| EDP No. / <br> Diameter | Decimal <br> Equivalent | Shank <br> Diameter | Flute <br> Length | Overall <br> Length |
| :--- | :---: | :---: | :---: | :---: |
| CT605-3/16 | .1875 | $11 / 64$ | $1-1 / 2$ | $3-1 / 2$ |
| CT605-7/32 | .2188 | $13 / 64$ | $1-3 / 4$ | $3-3 / 4$ |
| CT605-1/4 | .2500 | $7 / 32$ | 2 | 4 |
| CT605-9/32 | .2812 | $1 / 4$ | $2-1 / 4$ | $4-1 / 4$ |
| CT605-5/16 | .3125 | $9 / 32$ | $2-1 / 2$ | $4-1 / 2$ |
| CT605-11/32 | .3438 | $5 / 16$ | $2-3 / 4$ | $4-3 / 4$ |
| CT605-3/8 | .3750 | $11 / 32$ | 3 | 5 |
| CT605-13/32 | .4062 | $3 / 8$ | 3 | $5-1 / 4$ |
| CT605-7/16 | .4375 | $13 / 32$ | 3 | $5-1 / 2$ |
| CT605-15/32 | .4688 | $7 / 16$ | $3-1 / 4$ | $5-3 / 4$ |


| EDP No. / <br> Diameter | Decimal <br> Equivalent | Shank <br> Diameter | Flute <br> Length | Overall <br> Length |
| :--- | :---: | :---: | :---: | :---: |
| CT605-1/2 | .5000 | $15 / 32$ | $3-1 / 2$ | 6 |
| CT605-17/32 | .5312 | $1 / 2$ | $3-1 / 2$ | 6 |
| CT605-9/16 | .5625 | $17 / 32$ | $3-1 / 2$ | 6 |
| CT605-19/32 | .5938 | $9 / 16$ | 4 | 7 |
| CT605-5/8 | .6250 | $19 / 32$ | 4 | 7 |
| CT605-21/32 | .6562 | $5 / 8$ | $4-1-2$ | $7-1 / 2$ |
| CT605-11/16 | .6875 | $21 / 32$ | $4-1 / 2$ | $7-1 / 2$ |
| CT605-23/32 | .7188 | $11 / 16$ | $4-3 / 4$ | 8 |
| CT605-3/4 | .7500 | $11 / 16$ | $4-3 / 4$ | 1 |

## class \& Tile Drills

List No. CT505
High Temperature Brazed Carbide Spear Point / Tool Steel Body


Description \& Application: Drill glass, tile, porcelain and ceramic. Use constant flow of coolant and clear chips frequently. A light feed with steady pressure at 25 SFM(300 to 600 RPM) is recommended. Material should be backed with wood or rubber for support during drill breakthrough. Avoid vibration and excessive stress. Keep drill sharp to eliminate excessive pressure.

| EDP No. / <br> Diameter | Decimal <br> Equivalent | Flute <br> Length | Overall <br> Length |
| :--- | :---: | :---: | :---: |
| CT505-1/8 | .1250 | $7 / 64$ | $2-1 / 2$ |
| CT505-3/16 | .1875 | $5 / 32$ | $2-1 / 2$ |
| CT505-1/4 | .2500 | $7 / 32$ | $2-1 / 2$ |
| CT505-5/16 | .3123 | $1 / 4$ | $2-3 / 4$ |
| CT505-3/8 | .3750 | $5 / 16$ | $3-1 / 8$ |


| EDP No. / <br> Diameter | Decimal <br> Equivalent | Flute <br> Length | Overall <br> Length |
| :--- | :---: | :---: | :---: |
| CT505-7/16 | .4375 | $3 / 8$ | $3-1 / 2$ |
| CT505-1/2 | .5000 | $7 / 16$ | $3-1 / 2$ |
| CT505-9/16 | .5625 | $1 / 2$ | 4 |
| CT505-5/8 | .6250 | $9 / 16$ | 4 |

