

# CARBIDE TIPPED HARD STEEL DRILLS

HEAVY DUTY

130° POINT

ICS USA



Carbide Tipped Hard Steel Drills with Right Hand Cut are designed for all hardened steel drilling applications, such as dies, bearing races, and safes. Specially tempered high speed steel body with long carbide tip to prevent chipping. Ideal for locksmiths, mechanics, etc. Left Hand Cut, **CTHSDL**, are often used to remove broken bolts. Bolt is backed out of the hole by its counter-clockwise spin. Drill diameter tolerances are +.000 -0.0197.

## Right Hand Cut

| SIZE  | DEC. EQUIV. | SHANK DIA | OVERALL LENGTH | ITEM NO.    | PRICE |
|-------|-------------|-----------|----------------|-------------|-------|
| 1/8   | .0625       | 1/8       | 2-3/4          | CTHSD008X02 | 11.28 |
| 5/32  | .0937       | 5/32      | 3              | CTHSD010X03 | 13.38 |
| 11/64 | .1250       | 11/64     | 3              | CTHSD011X03 | 13.82 |
| 3/16  | .1562       | 3/16      | 3              | CTHSD012X03 | 11.68 |
| 7/32  | .1875       | 7/32      | 4              | CTHSD014X04 | 15.60 |
| 1/4   | .2188       | 1/4       | 4              | CTHSD016X04 | 14.28 |
| 1/4   | .2500       | 1/4       | 6              | CTHSD016X06 | 15.02 |
| 9/32  | .2812       | 9/32      | 4              | CTHSD018X04 | 15.96 |
| 5/16  | .3125       | 1/4       | 4              | CTHSD020X04 | 15.60 |

| SIZE  | DEC. EQUIV. | SHANK DIA | OVERALL LENGTH | ITEM NO.    | PRICE |
|-------|-------------|-----------|----------------|-------------|-------|
| 5/16  | .3125       | 5/16      | 6              | CTHSD020X06 | 16.36 |
| 3/8   | .3438       | 1/4       | 4              | CTHSD024X04 | 16.24 |
| 3/8   | .3750       | 3/8       | 6              | CTHSD024X06 | 17.26 |
| 13/32 | .4062       | 3/8       | 6              | CTHSD026X06 | 23.12 |
| 7/16  | .4375       | 3/8       | 6              | CTHSD028X06 | 21.48 |
| 1/2   | .4687       | 1/2       | 6              | CTHSD032X06 | 24.66 |
| 9/16  | .5000       | 1/2       | 6              | CTHSD036X06 | 36.40 |
| 5/8   | .6250       | 1/2       | 6              | CTHSD040X06 | 37.10 |



## Left Hand Cut Extractor

| SIZE  | DEC. EQUIV. | SHANK DIA | OVERALL LENGTH | ITEM NO.     | PRICE |
|-------|-------------|-----------|----------------|--------------|-------|
| 1/8   | .0625       | 1/8       | 2-3/4          | CTHSDL008X02 | 14.95 |
| 5/32  | .0937       | 5/32      | 3              | CTHSDL010X03 | 14.50 |
| 11/64 | .1250       | 11/64     | 3              | CTHSDL011X03 | 15.75 |
| 3/16  | .1562       | 3/16      | 3              | CTHSDL012X03 | 15.95 |
| 7/32  | .1875       | 7/32      | 4              | CTHSDL014X04 | 18.95 |
| 1/4   | .2188       | 1/4       | 4              | CTHSDL016X04 | 17.95 |
| 1/4   | .2500       | 1/4       | 6              | CTHSDL016X06 | 19.50 |
| 9/32  | .2812       | 9/32      | 4              | CTHSDL018X04 | 19.97 |

| SIZE | DEC. EQUIV. | SHANK DIA | OVERALL LENGTH | ITEM NO.     | PRICE |
|------|-------------|-----------|----------------|--------------|-------|
| 5/16 | .3125       | 5/16      | 4              | CTHSDL020X04 | 18.95 |
| 5/16 | .3125       | 5/16      | 6              | CTHSDL020X06 | 20.90 |
| 3/8  | .3438       | 1/4       | 4              | CTHSDL024X04 | 22.95 |
| 3/8  | .3750       | 3/8       | 6              | CTHSDL024X06 | 24.90 |
| 7/16 | .4375       | 3/8       | 6              | CTHSDL028X06 | 26.98 |
| 1/2  | .4687       | 1/2       | 6              | CTHSDL032X06 | 28.85 |
| 9/16 | .5000       | 1/2       | 6              | CTHSDL036X06 | 35.95 |
| 5/8  | .6250       | 1/2       | 6              | CTHSDL040X06 | 39.90 |

NOTE: Carbide Tipped Universal Drills (CTUD) for drilling hardened steel & cast iron are also available.

# HIGH SPEED STEEL DIAMOND COATED JOBBER DRILL

SPECIAL POINT



Diamond Coated High Speed Steel Jobber Drills are designed for drilling graphite, FRP, glass, ceramic and other non-metallic materials such as carbon fiber, kevlar, fiber laminates, and glass fiber laminates.

| SIZE | DECIMAL EQUIV. | ITEM NO. | PRICE |
|------|----------------|----------|-------|
| 1/8  | .1250          | DCJD008  | 10.50 |
| 3/16 | .1875          | DCJD012  | 13.12 |
| 1/4  | .2500          | DCJD016  | 15.76 |
| 3/8  | .3750          | DCJD024  | 23.74 |