## ROTACUT™ SHEET METAL HOLE CUTTERS

Holemaking – faster and easier than with conventional twist drills and hole saws – in sheet metal, plate materials, and plastics up to 1/2" thick. RotaCut™ Cutters are precision-ground and produce clean, burr-free, round holes without deforming the surrounding material. For use in hand held drills with either 3/8" or 1/2" diameter chucks, or air feed drill spindles for production work.

Ideal for these applications:
- Electrical
- Piping
- Conduit Work
- Sheet metal Fabrication
- Maintenance Installations
- HVAC & PHCC
- Automotive Aftermarket and many other industries.

| Cutter Dia. (Inches) | Decimal Equiv. | Part No. |
|---|---|---|
| 3/8"-24 Thread Mount & 1/4" D.O.C. | | |
| **Use with Arbor 11088 or 11006** | | |
| 1/4 | .2500 | 11100 |
| 9/32 | .2812 | 11102 |
| 5/16 | .3125 | 11104 |
| 11/32 | .3438 | 11106 |
| **Use with Arbor 11088, 11089, or 11006** | | |
| 3/8 | .3750 | 11108 |
| 13/32 | .4062 | 11110 |
| 27/64 | .4219 | 11111 |
| 7/16 | .4375 | 11112 |
| 15/32 | .4688 | 11114 |
| 1/2 | .5000 | 11116 |
| 17/32 | .5312 | 11118 |
| 9/16 | .5625 | 11120 |
| 5/8 | .6250 | 11124 |
| 11/16 | .6875 | 11128 |
| 23/32 | .7188 | 11130 |
| 3/4 | .7500 | 11132 |
| 1/2"-20 Thread Mount & 1/2" D.O.C. | | |
| **Use with Arbor 11005 or 11012** | | |
| 13/16 | .8125 | 11136 |
| 7/8 | .8750 | 11140 |
| 15/16 | .9375 | 11144 |
| 1 | 1.0000 | 11148 |
| 1-1/16 | 1.0625 | 11152 |
| 1-1/8 | 1.1250 | 11156 |
| 1-3/16 | 1.1875 | 11160 |
| 1-1/4 | 1.2500 | 11164 |
| 1-5/16 | 1.3125 | 11165 |
| 1-3/8 | 1.3750 | 11166 |
| 1-7/16 | 1.4375 | 11167 |
| 1-1/2 | 1.5000 | 11168 |

| Cutter Dia. (Metric) | Decimal Equiv. | Part No. |
|---|---|---|
| 3/8"-24 Thread Mount & 1/4" D.O.C. | | |
| **Use with Arbor 11088 or 11006** | | |
| 6mm | .2362 | 11206 |
| 7mm | .2756 | 11207 |
| 8mm | .3150 | 11208 |
| 9mm | .3543 | 11209 |
| **Use with Arbor 11088, 11089, or 11006** | | |
| 10mm | .3937 | 11210 |
| 11mm | .4331 | 11211 |
| 12mm | .4724 | 11212 |
| 13mm | .5118 | 11213 |
| 14mm | .5512 | 11214 |
| 15mm | .5906 | 11215 |
| 16mm | .6299 | 11216 |
| 17mm | .6693 | 11217 |
| 18mm | .7087 | 11218 |
| 19mm | .7480 | 11219 |
| 20mm | .7874 | 11220 |
| 1/2"-20 Thread Mount & 1/2" D.O.C. | | |
| **Use with Arbor 11005 or 11012** | | |
| 21mm | .8268 | 11221 |
| 22mm | .8661 | 11222 |
| 23mm | .9055 | 11223 |
| 24mm | .9449 | 11224 |
| 25mm | .9843 | 11225 |

**Compare the Quality**

**RotaCut™ • Hole Saw • Twist Drill**

### ROTACUT™ KITS

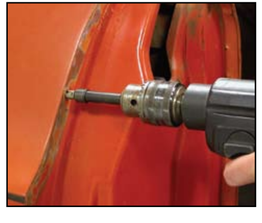
| Part No. | Description |
|---|---|
| 11075C | Kit contains an 11088 Arbor Assembly, Center Punch, extra Pilot, and (7) Cutters: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, & 3/4" |
| 11075-12 | Contains (12) 11075 Kits in a pop up display box |
| 11077 | Kit contains an 11088 Arbor Assembly, Center Punch, extra Pilot, and (7) Metric Cutters: 8, 10, 12, 14, 16, 18, & 20mm |
| 11078 | Kit contains an 11005 Arbor Assembly, Center Punch, extra Pilot, and (6) Cutters: 7/8, 1, 1-1/8, 1-1/4, 1-3/8, & 1-1/2" |

**Special sizes of RotaCut™ Cutters are available on request. Contact the Hougen Customer Service Department for more information 800-426-7818**

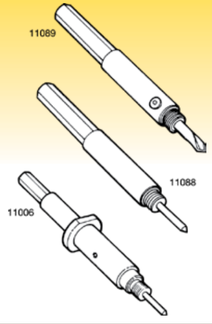
## ROTACUT™ SPOTWELD CUTTER

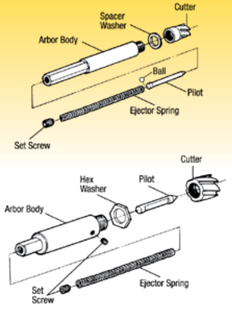
Remove spotwelds in auto body and restoration work quickly with the RotaCut™ Premium Spotweld Cutter. Heavy cutter wall and fast cutting action that can last for hundreds or thousands of spotwelds.

| Part No. | Description |
|---|---|
| 11200C | Package includes 3/8" RotaCut p/n 11108, Arbor p/n 11088, and instructions. |



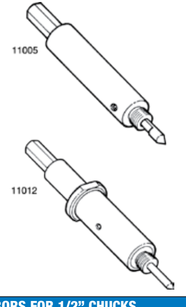
## ROTACUT™ ARBOR COMPONENTS & EXTENDED REACH CUTTERS



### ARBORS FOR 3/8" CHUCKS

| Part No. | Description |
|---|---|
| With 3/8"-24 Mounting Thread | |
| 11088 | Arbor with Pilot Pin |
| 11089 | Arbor with Pilot Drill (For use with 3/8" thru 3/4" dia.) |
| 11006 | Arbor with Pilot Pin for use in 5/8" Drill Bushing |




### ARBORS FOR 1/2" CHUCKS

| Part No. | Description |
|---|---|
| With 1/2"-20 Mounting Thread | |
| 11005 | Arbor with Pilot Pin |
| 11012 | Arbor with Pilot Pin (For use with 13/16" thru 1-1/2" dia.) |

Hougen Manufacturing maintains a complete stock of replacement parts for the Sheet Metal Arbors listed below.

### REPLACEMENT ARBOR PARTS

| Part | Arbor 11088 | 11089 | 11005 | 11006 | 11012 |
|---|---|---|---|---|---|
| Arbor Body | 90224 | 90225 | 11074 | 11035 | 11038 |
| Pilot | 11083* | 03913C | 11027 | 11083* | 11084 |
| Ejector Spring | 11034 | 11049 | 11047 | 11045 | 11048 |
| Set Screw | 11050 | 11051 | 11052 | 11050 | 11052 |
| Hex Washer | ---- | ---- | 03996 | ---- | 03996 |
| Spacer Washer | 11056 | 11056 | ---- | 11056 | ---- |
| Stop Washer | 11055 | 11055 | ---- | ---- | ---- |
| Button Screw | ---- | 11053 | ---- | ---- | ---- |
| Stop Rod | ---- | 11064 | ---- | ---- | ---- |
| Ejector Collar | ---- | ---- | ---- | 11059 | 11061 |
| Roll Pin | ---- | ---- | ---- | 11062 | 11063 |
| Plunger | ---- | ---- | ---- | 11058 | ---- |
| Misc. | 11260 Ball | ---- | 11050 Screw | ---- | ---- |

Slick-Stik™ is softer than other stick lubricants for easy application, superior adhesion to the tool, assuring thorough coverage. Use with ferrous or non-ferrous materials.

### SLICK-STIK™ LUBRICANT

| Part No. | Description |
|---|---|
| 11745-6 | (6) 16 oz. Slick-Stik Lubricant |
| 11746-12 | (12) 1.68 oz. Slick-Stik Lubricant |
| 11746-24 | (24) 1.68 oz. Slick-Stik Lubricant in display box |

### EXTENDED REACH CUTTERS

| Cutter Dia. (Inches) | Decimal Equiv. | Part No. |
|---|---|---|
| Triple Flat Arbor with .80" flute & 1/4" D.O.C. | | |
| 3/8 | .3750 | 16112 |
| 7/16 | .4375 | 16114 |
| 1/2 | .5000 | 16116 |
| 9/16 | .5625 | 16118 |

Hougen® Extended Reach Cutters are designed for applications where additional reach and a shallow depth of cut is required. They're ideally suited for trailer hitch installations, or single pass through holes in square and rectangular pipe and tubing. The cutter and arbor are a single-piece construction and include a spring loaded ejector for "popping out" the slug at the end of the cut. For use in 3/8" or larger drill chucks.

### EXTENDED REACH KIT

| Part No. | Description |
|---|---|
| 16005 | Kit contains (4) Cutters: 3/8, 7/16, 1/2, & 9/16", (2) extra Pilots, and a Hex Wrench |

## CARBIDE HOLCUTTER™ FOR SHEET METAL AND THIN MATERIALS

Features a shoulder stop to prevent over penetration of the work piece. Ejector Spring helps with slug ejection. Tungsten carbide provides long tool life and smooth cutting action. Dramatically outlasts bi-metal hole saws and step drills. For materials up to 1/8" thick. (All cutters include arbor, pilot and spring.)

| Cutter Dia. (Inches) | Decimal Equiv. | Part No. |
|---|---|---|
| 1-3/8 | 1.3750 | 14344 |
| 1-1/2 | 1.5000 | 14348 |
| 1-5/8 | 1.6250 | 14352 |
| 1-3/4 | 1.7500 | 14356 |
| 2 | 2.0000 | 14362 |
| 2-1/8 | 2.1250 | 14366 |
| 2-1/4 | 2.2500 | 14368 |
| 2-3/8 | 2.3750 | 14372 |
| Replacement Pilot 14302 & Spring 14304 (1/2" Chuck) | | |
| 2-1/2 | 2.5000 | 14374 |
| 2-5/8 | 2.6250 | 14378 |
| 2-3/4 | 2.7500 | 14380 |
| 3 | 3.0000 | 14384 |

| Part No. | Description |
|---|---|
| 14301 | Pilot for cutters up to 2-3/8" (3 Pk) |
| 14302 | Pilot for cutters 2-1/2" to 3" (3 Pk) |
| 14303 | Spring for cutters up to 2-3/8" (3 Pk) |
| 14304 | Spring for cutters 2-1/2" to 3" (3 Pk) |

**Contractor's Choice**

New Carbide Holcutters cut smooth, fast, burr-free holes in all types of materials, from soft aluminum to tough-to-cut stainless and cast iron. Rugged construction for day in and day out use.

| Cutter Dia. (Inches) | Decimal Equiv. | Part No. |
|---|---|---|
| Replacement Pilot 14301 & Spring 14303 (3/8" Chuck) | | |
| 11/16 | .6875 | 14322 |
| 3/4 | .7500 | 14324 |
| 13/16 | .8125 | 14326 |
| 7/8 | .8750 | 14328 |
| 15/16 | .9375 | 14330 |
| 1 | 1.0000 | 14332 |
| 1-1/16 | 1.0625 | 14334 |
| 1-1/8 | 1.1250 | 14336 |
| 1-3/16 | 1.1875 | 14338 |
| 1-1/4 | 1.2500 | 14340 |
| 1-5/16 | 1.3125 | 14342 |

## HOLCUTTER™ FOR SHEET METAL AND THIN MATERIALS

Our standard HSS Holcutters. Lasts 3x longer and cuts 10x faster than hole saws or twist drills. All cutters use a single arbor, with a Patented Quad-Lead thread mounting system. For materials up to 1/8" thick.

| Cutter Dia. (Inches) | Decimal Equiv. | Part No. |
|---|---|---|
| Quad-Lead thread mount - Use Arbor 14009 | | |
| 11/16 | .6875 | 14222 |
| 3/4 | .7500 | 14224 |
| 13/16 | .8125 | 14226 |
| 7/8 | .8750 | 14228 |
| 15/16 | .9375 | 14230 |
| 1 | 1.0000 | 14232 |
| 1-1/16 | 1.0625 | 14234 |
| 1-1/8 | 1.1250 | 14236 |
| 1-3/16 | 1.1875 | 14238 |
| 1-1/4 | 1.2500 | 14240 |
| 1-5/16 | 1.3125 | 14242 |
| 1-3/8 | 1.3750 | 14244 |
| 1-7/16 | 1.4375 | 14246 |
| 1-1/2 | 1.5000 | 14248 |
| 1-9/16 | 1.5625 | 14250 |
| 1-5/8 | 1.6250 | 14252 |
| 1-11/16 | 1.6875 | 14254 |
| 1-3/4 | 1.7500 | 14256 |
| 1-7/8 | 1.8750 | 14260 |
| 2 | 2.0000 | 14262 |
| 2-1/16 | 2.0625 | 14264 |
| 2-1/8 | 2.1250 | 14266 |
| 2-1/4 | 2.2500 | 14268 |
| 2-3/8 | 2.3750 | 14272 |
| 2-1/2 | 2.5000 | 14274 |
| 2-9/16 | 2.5625 | 14276 |
| 2-5/8 | 2.6250 | 14278 |
| 2-3/4 | 2.7500 | 14280 |
| 2-7/8 | 2.8750 | 14282 |
| 3 | 3.0000 | 14284 |

| Part No. | Description |
|---|---|
| 14005C | Sturdy plastic case contains Arbor, Pilots, Hex Washer, instructions, and Holcutters: 7/8, 1-1/8, 1-3/8, 1-3/4, 2 & 2-1/2" |
| 14005-12 | Case of (12) 14005 Kits |

### ARBOR & PILOT

| Part No. | Description |
|---|---|
| 13007C | Pilot for 14009 Arbor (3 Pk) |
| 14009 | Arbor (3/8" Chuck) for Quad-Lead Threaded Cutters |
| Arbors for Discontinued Holcutters | |
| 14001 | Arbor for 3/8" Threaded Cutters |
| 14002 | Arbor for older style Double "D" Holcutters |
| 14004 | Arbor for Double "D" Cutters |

## HOLCUTTER™ SPEED REDUCER

Featuring a 4:1 gear ratio, the Holcutter™ Speed Reducer mounts directly to your 1/2" drill and maintains torque while reducing RPMs for large hole diameters. Cutters mount to Speed Reducer with no arbor required.

| Part No. | Description |
|---|---|
| 14008 | Speed Reducer for 1/2" Drills |
| *04938 | Clamp Handle |
| *04939 | 3/16" Pilot |
| 04942 | Thread Adapter for 3/8" Drills |
| 04943 | Triple-flatted Shank Adapter (for use in 1/2" drill chuck) |
| 04812 | Hex Washer (for easy cutter removal) |

* Details marked are required to operate Speed Reducer

# HOUGEN® - FAST, EASY, BURR-FREE HOLEMAKING

**ROTACUT™** **HOLCUTTER™**

Holemaking made faster and easier than with conventional twist drills and holes saws - in sheet metal, plate stock and plastics - up to 1/2" thick. Hougen® Sheet Metal Hole Cutters are not hole saws - they're precision ground and heat treated high-performance cutting tools that produce clean, burr-free, round holes without ripping, tearing, or deforming the surrounding material. They can produce holes up to 3x faster than hole saws and last 10x longer.

Hougen's Sheet Metal Hole Cutters allow you to maximize feed rates and distribute the cutting load evenly over many cutting edges, rather than just two edges as a twist drill. Also, by cutting around the hole, Hougen® Sheet Metal Hole Cutters convert a smaller area to chips, leaving the center as a slug, requiring less horsepower and thrust than twist drills.

They're designed for use in hand held drills, stationary drill presses, or in high-production air feed spindles.

## HOUGEN® SHEET METAL HOLE CUTTERS ARE PERFECT FOR:

- **Electrical**
- **Pipe & Tubing**
- **Conduit Work**
- **Sheet Metal Fabrication**
- **Maintenance Installations**
- **HVAC / PHCC**

## ROTACUT™ & HOLCUTTER™ DISPLAY CENTERS

The RotaCut™ Hole Making Center is designed to get the RotaCut™ Cutters and Kits in front of customers. You'll display open kits, replacement cutters, arbors and pilots. Your customers have the option of buying any single component or a mix of their choosing.

**ROTACUT™ HOLE MAKING CENTER**

| Part No. | Description |
|---|---|
| 11000C | RotaCut™ Hole Making Center includes Kits and replacement components in clamshell packages for easy display. |

**HOLCUTTER™ HOLE MAKING CENTER**

| Part No. | Description |
|---|---|
| 14000C | Holcutter™ Hole Making Center includes Kits and replacement components in clamshell packages for easy display. |

The Holcutter™ display is designed to work along side of the RotaCut™ Hole Making Center, or as a stand alone.

## COMMERCIAL / INDUSTRIAL LIMITED WARRANTY

Hougen Manufacturing, Inc. warrants its Portable Magnetic Drills, Electro-hydraulic Hole Punchers, Trak-Star Rail Drills, and Tornado II Paint Shakers for one (1) year, and other products for ninety (90) days from date of purchase against defects due to faulty material or workmanship and will repair or replace (at its option) without charge any items returned. This warranty is void if the item has been damaged by accident or unreasonable use, neglect, improper service, or other causes not arising out of defects in material or workmanship. No other expressed warranty is given or authorized. Hougen Manufacturing, Inc. disclaims any implied warranty of Merchantability or fitness for any period beyond the expressed warranty and shall not be liable for incidental or consequential damages. Some states do not allow exclusion of incidental or consequential damages or limitation on how long an implied warranty lasts and, if the law of such a state governs your purchase, the above exclusion and limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

To obtain warranty service, return the item(s), transportation prepaid to:
Hougen Manufacturing, Inc., 3001 Hougen Drive, Swartz Creek, MI 48473.

This warranty is in lieu of any other warranty, expressed or implied, including any warranty of merchantability or fitness for a particular purpose.

**Hougen Patent Notice**
The products covered in this catalog may be covered by one or more of the following U.S. patents, foreign patents, and pending patents.

| | | | | |
|---|---|---|---|---|
| 4619532 | 4632610 | 4952102 | 5145296 | 5607266 |
| 5902076 | 6280123 | D445808 | D447494 | 5624213 |

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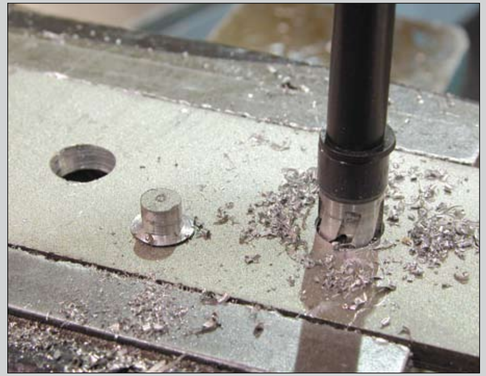

# HOLE CUTTERS FOR SHEET METAL, PLATE & TUBE STOCK

Solving holemaking problems through innovation™

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