

HOUGEN® CUTTER COMPARISON CHART

										
Tool Series:	Rotacut™	Extended Reach	Holcutter™	Carbide Holcutter™	Rotaloc™	Rotaloc Plus™	"12,000-Series"	Copperhead™	"42/43,000"	
Diameter Range Min. / Max.	1/4" to 1-1/2" (6mm - 25mm)	3/8" to 9/16" (6.4mm)	1/16" to 3" (3.2mm)	1/16" to 3" (3.2mm)	1/2" to 1-1/16" (12mm - 27mm)	7/16" to 1-3/8" (12mm - 35mm)	7/16" to 2-3/8" (12mm - 60mm)	9/16" to 2" (14mm - 60mm)	3/4" to 3-1/16"	
Max. Depth of Cut	1/4" to 1/2" (6.4mm - 12.7mm)	1/4" (6.4mm)	1/8" (3.2mm)	1/8" (3.2mm)	3/4" - (19mm) Stack Geometry	1" - (25mm)	1" to 6" (25mm to 152mm)	1" to 4" (25mm to 102mm)	2" or 3" (50mm or 76mm)	
Mounting	3/8" or 1/2" Triple Flat Shank	3/8" Triple Flat Shank	3/8" Triple Flat Shank	3/8" or 1/2" Triple Flat Shank	Bayonet Style	Bayonet Style	3/4" Double Flat or Fusion™ Shank	3/4" Double Flat or Fusion™ Shank	3/4" Weldon or 1-1/4" Weldon	
Cutter Material(s) Available	M2 HSS	M2 HSS	M2 HSS	Carbide Tip	M42 HSS	M2 HSS	M2 HSS, M2 TIN Coat, or M42 TIN	Carbide Tip	M2 HSS or M2 TIN Coat	
Can be Resharpened	===== Disposable =====									
Available Grind Down (Within Limits)										
Max. Application Hardness Rating	275 BHN (28.5 HRC)	275 BHN (28.5 HRC)	275 BHN (28.5 HRC)	450 BHN (47.2 HRC)	350 BHN (37.7 HRC)	275 BHN (28.5 HRC)	275 BHN (28.5 HRC)	450 BHN (47.2 HRC)	275 BHN (28.5 HRC)	
Recommended Lubrication	Slick-Stik™	Slick-Stik™	Slick-Stik™	Slick-Stik™	Slick-Stik™	Slick-Stik™	Rotamagic™	Rotamagic™	Rotamagic™	
Aluminum	===== High RPM & Fast Feed Rates Suggested =====									
Mild Steel										
Harder Steel		Good			Better	Good	Standard - Good TIN - Better		Standard - Good TIN - Better	
Stainless Steel	Good		Recommend Speed Reducer		Good	TIN Coat or Premium Recommended		TIN Coat Recommended		

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" chucks, and in air feed drill spindles for production work. Lasts **10x** longer and cuts **3x** faster than twist drills or hole saws.

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
29/64	.4531	11113
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

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

Cutter Dia. (Metric)	Decimal Equiv.	Part No.
3/8"-24 Thread Mount & 6.4mm D.O.C. Use with Arbor 11088 or 11006		
6mm	.2362	11206
7mm	.2756	11207
8mm	.3150	11208
8.5mm	.3346	11285
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 & 12.7mm D.O.C. Use with Arbor 11005 or 11012		
21mm	.8268	11221
22mm	.8661	11222
23mm	.9055	11223
24mm	.9449	11224
25mm	.9843	11225

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 of spotwelds.

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

ROTACUT™ KITS



11087 Kit

Hougen® offers kits packaged in sturdy cases for keeping handy the most often used sizes of RotaCut™ Annular Cutters.

Part No.	Description
11075(C) (Fractional)	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" (DOC: 1/4" / 6.4mm)
11075-12 (Fractional)	Contains (12) 11075 Kits in a pop up display box
11077 (Metric)	Kit contains an 11088 Arbor Assembly, Center Punch, extra Pilot, and (7) Metric Cutters: 8, 10, 12, 14, 16, 18, & 20mm (DOC: 1/4" / 6.4mm)
11078 (Fractional)	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" (DOC: 1/2" / 12.7mm)
11078-12 (Fractional)	Contains (12) 11078 Kits
11085 (Fractional)	Fractional Master Kit 16 Sizes of cutters from 1/4" to 3/4", extra Pilots, Arbor & Center Punch (DOC: 1/4" / 6.4mm)
11085-12 (Fractional)	Contains (12) 11085 Kits
11086 (Metric)	Metric Master Kit 16 Sizes of cutters from 6mm to 20mm, extra Pilots, Arbor & Center Punch (DOC: 1/4" / 6.4mm)
11087 (Fractional)	Fractional Combo Kit Combines the 11075 and 11078 kits into one awesome package.

