

## 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 1/16" to 3" (3.2mm)	1 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	

# ROTALOC™ & ROTALOC PLUS™ ANNULAR CUTTERS AND KITS



 Made in U.S.A.

Patented

RotaLoc™ Annular Cutters are designed for use with the Hougen® HMD115 Ultra-Low Profile Truck Frame Drill. They're made of M42 high speed steel and feature Stack Cut geometry for penetrating multiple plates in a single pass, up to 3/4" depth of cut.

RotaLoc Plus™ Annular Cutters are designed for the Hougen® HMD150 Low Profile Drill. They're made of M2 high speed steel and are designed for a full 1" D.O.C.

Both series feature a 5/8" bayonet-style shank mounting for fast change out, with no other tools required to install in the drill spindle, and can be as easily removed. For optimum cutter tool life and cutter efficiency use Hougen® Slick-Stik™ Lubricant.

## ROTALOC™ ANNULAR CUTTERS M42 HSS - 3/4" D.O.C. - STACK CUT (FOR HMD115 OR HMD150)

Cutter Dia. (Inches)	Decimal Equiv.	Part No.
Use with Pilot 17100		
1/2	.5000	17116
9/16	.5625	17118
5/8	.6250	17120
11/16	.6875	17122
3/4	.7500	17124
13/16	.8125	17126
7/8	.8750	17128
15/16	.9375	17130
1	1.0000	17132
1-1/16	1.0625	17134
Use with Pilot 17100 - 3/4" (19mm) D.O.C		
12mm	.4724	17300
13mm	.5118	17302
14mm	.5512	17304
15mm	.5906	17306
16mm	.6299	17308
17mm	.6693	17310
18mm	.7087	17312
19mm	.7480	17314
20mm	.7874	17316
21mm	.8268	17318
22mm	.8661	17320
23mm	.9055	17322
24mm	.9449	17324
24.5mm	.9645	17325
25mm	.9843	17326
26mm	1.0236	17328
26.5mm	1.0433	17329
27mm	1.0630	17330



## ROTALOC™ & ROTALOC PLUS™ PILOTS

Part No.	Description
17100	Standard Pilot for HMD115
17101	Spring Ejection Pilot*
17470	For use with HMD150

\* For early model HMD115 w/o spring ejection and all HMD100 drills.

## ROTALOC PLUS™ ANNULAR CUTTERS M2 HSS - 1" D.O.C. - (FOR HMD150)

Cutter Dia. (Inches)	Decimal Equiv.	Part No.
Use with Pilot 17470		
7/16	.4375	17214
1/2	.5000	17216
17/32	.5313	17217
9/16	.5625	17218
5/8	.6250	17220
11/16	.6875	17222
3/4	.7500	17224
13/16	.8125	17226
7/8	.8750	17228
15/16	.9375	17230
1	1.0000	17232
1-1/16	1.0625	17234
1-1/8	1.1250	17236
1-3/16	1.1875	17238
1-1/4	1.2500	17240
1-5/16	1.3125	17242
1-3/8	1.3750	17244
Use with Pilot 17470 - 1" (25mm) D.O.C.		
12mm	.4724	17400
13mm	.5118	17402
14mm	.5512	17404
15mm	.5906	17406
16mm	.6299	17408
17mm	.6693	17410
17.5mm	.6890	17411
18mm	.7087	17412
19mm	.7480	17414
20mm	.7874	17416
21mm	.8268	17418
22mm	.8661	17420
23mm	.9055	17422
24mm	.9449	17424
24.5mm	.9645	17425
25mm	.9843	17426
26mm	1.0236	17428
26.5mm	1.0433	17429
27mm	1.0630	17430
28mm	1.1024	17432
29mm	1.1417	17434
30mm	1.1811	17436
31mm	1.2205	17438
32mm	1.2598	17440
33mm	1.2992	17442
34mm	1.3386	17444
35mm	1.3779	17446



## ROTALOC™ & ROTALOC PLUS™ CUTTER KITS

Kit No.	Description
<b>RotaLoc Kits for HMD115 and HMD150</b>	
17001	Kit contains (10) cutters, 3/4" D.O.C. - 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 & 1-1/16" dia, plus (2) Pilots in a sturdy plastic case.
17700	Kit contains (3) cutters, 3/4" D.O.C. - 1/2, 5/8, 3/4" dia, plus (3) Pilots in a sturdy plastic case.
17701	Kit contains (3) cutters, 3/4" D.O.C. - 9/16, 11/16, 13/16" dia, plus (3) Pilots in a sturdy plastic case.
17704	Kit contains (3) cutters, 3/4" D.O.C. - 13mm, 15mm, 18mm dia, plus (3) Pilots in a sturdy plastic case.
17705	Kit contains (3) cutters, 3/4" D.O.C. - 13mm, 16mm, 19mm dia, plus (3) Pilots in a sturdy plastic case.
<b>RotaLoc Plus Kits for HMD150</b>	
17800	Kit contains (3) cutters, 1" D.O.C. - 1/2, 5/8, 3/4" dia, plus (3) Pilots in a sturdy plastic case.
17801	Kit contains (3) cutters, 1" D.O.C. - 9/16, 11/16, 13/16" dia, plus (3) Pilots in a sturdy plastic case.
17804	Kit contains (3) cutters, 1" D.O.C. - 14mm, 16mm, 18mm dia, plus (3) Pilots in a sturdy plastic case.

All Cutters are available with **stack geometry**. To order: add 'S' to end of part no. ie...17226S. (Some sizes may take 7-10 days. Call for availability). RotaLoc Cutters for the HMD115 come standard with stack geometry.