



New Product HSS & Cobalt Annular Cutter with Locator Pin included

Features/Benefits

- Can cut materials up a maximum tensile strength of 900 N/mm² (266 BHN / 27 HRC)
- 1" and 2" Inch Depth of Cut
- 1/2" (0.500") Dia. to 2" (2.000") Dia. Range
- Used in Magnetic (MAG) Drills
- 3/4" (0.750") Shanks on all sizes
- Annular Cutters allows hole to be produced quicker and more efficiently, compared to conventional drills.
- Due to the cutter design the load per tooth is greatly reduced and the power used by the machine is kept to a minimum.
- This greatly increases productivity and the life expectancy of the tool and machine.
- See below for cutting speeds and application information.

- Series 4500 & 4501 Applications: Mild Steel, Structural Steel, Construction Steel, Aluminum, Copper / Brass, Plastics.
- Series 4505 & 4506 Applications: Stainless Steel and applications where up to 30% more tool life is desired.



Diameter	Decimal Equivalent	Depth of Cut	order number		Depth of Cut	order number	
			4500 HSS	4505 Cobalt		4501 HSS	4506 Cobalt
1/2	0.5000	1"	C34060	C34130	2"	C34077	C34147
9/16	0.5625	1"	C34061	C34131	2"	C34078	C34148
5/8	0.6250	1"	C34062	C34132	2"	C34079	C34149
11/16	0.6875	1"	C34063	C34133	2"	C34080	C34150
3/4	0.7500	1"	C34064	C34134	2"	C34081	C34151
13/16	0.8125	1"	C34065	C34135	2"	C34082	C34152
7/8	0.8750	1"	C34066	C34136	2"	C34083	C34153
15/16	0.9375	1"	C34102	C34137	2"	C34084	C34154
1	1.0000	1"	C34067	C34138	2"	C34085	C34155
1-1/16	1.0625	1"	C34068	C34139	2"	C34086	C34156
1-1/8	1.1250	1"	C34069	C34140	2"	C34087	C34157
1-3/16	1.1875	1"	C34070	C34141	2"	C34088	C34158
1-1/4	1.2500	1"	C34071	C34142	2"	C34089	C34159
1-5/16	1.3125	—	—	—	2"	C34090	C34160
1-3/8	1.3750	—	—	—	2"	C34091	C34161
1-1/2	1.5000	1"	C34073	C34143	2"	C34092	C34162
1-9/16	1.5625	—	—	—	2"	C34093	C34163
1-5/8	1.6250	1"	C34074	C34144	2"	C34094	C34164
1-11/16	1.6875	—	—	—	2"	C34095	C34165
1-3/4	1.7500	—	—	—	2"	C34096	C34166
1-13/16	1.8125	1"	C34075	C34145	2"	C34097	C34167
1-7/8	1.8750	—	—	—	2"	C34098	C34168
2	2.0000	1"	C34076	C34146	2"	C34099	C34169

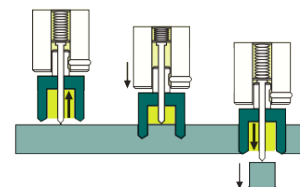
Locator Pin



Diameter	Decimal Equivalent	Locator Pin for	order number
1/4	0.2500	1" long cutter	C34100
1/4	0.2500	2" long cutter	C34101

Cutting Speeds (RPM) / Application

Material Strength N/mm ²	Diameter						
	.472 to .709	.748 to .984	1.024 to 1.260	1.575 to 1.811	1.850 to 2.087	2.126 to 2.362	2.402 to 2.559
<500 High Speed	660	420	305	240	195	165	145
<500 Low Speed	440	320	250	200	170	150	130
<750 High Speed	530	340	245	195	160	135	115
<750 Low Speed	350	250	200	165	140	120	105
<900 High Speed	340	250	185	145	120	100	88
<900 Low Speed	265	190	150	125	105	90	80
Stainless Steel - High Speed	320	200	145	115	90	80	70
Stainless Steel - Low Speed	210	150	120	95	85	72	63
Aluminum - High Speed	980	620	455	360	295	250	220
Aluminum - Low Speed	655	470	370	305	255	225	195
Cast Iron - High Speed	480	300	200	175	143	122	106
Cast Iron - Low Speed	320	230	180	147	125	108	95
Brass - High Speed	660	420	305	240	195	165	145
Brass - Low Speed	440	320	250	200	170	150	130
Copper - High Speed	1060	670	490	390	320	270	235
Copper - Low Speed	700	510	400	330	280	240	210



Comparison of twist drill and braunching cutter performance

