

STEELMAX® ANNULAR CUTTERS

HSS & TCT ANNULAR CUTTERS

A FULL LINE OF HIGH-QUALITY ANNULAR CUTTERS – OFFERING OUR CUSTOMERS THE LOWEST COST PER HOLE ON THE MARKET TODAY

Steelmax offers a full line of high-quality High Speed Steel (HSS) and Tungsten Carbide Tipped (TCT) annular cutters for all of your hole-making needs. We stock a full range of both HSS and TCT cutters from 7/16" to 3" in diameter and 1", 2" and 3" depths of cut. Custom sizes are also available. All Steelmax annular cutters have standard Weldon shanks (3/4" shank for cutter diameters up to 2-3/8" and 1-1/4" shank for cutter diameters above 2-3/8"). As a result, Steelmax cutters will fit and improve the performance of any mag drill!

All Steelmax cutters ship with a pilot pin installed at no extra charge.

Annular cutters have many advantages over traditional twist drills:

- Eliminates costly and time consuming step-drilling
- Significantly less drilling time – 3-4 times faster than twist drills
- Longer tool life – 5-10 times as many holes as a comparable twist drill bit
- More accurate and higher quality holes – burr-free with no clean up
- Easily drill on curved surfaces such as pipe or tubing
- Create overlapping holes
- Lower machine and horsepower requirements when compared to twist drills

HSS Cutters

Steelmax HSS cutters utilize an M2Al (aluminum additive) formulation which increases cutter life due to better heat propagation characteristics and its less brittle character compared to other M2 formulations, such as those using a cobalt additive. HSS cutters are most cost effective for mild steel applications and holes up to 2-3/8" in diameter in material up to 2" thick and can be re-sharpened to extend cutter life.

TCT Cutters

Steelmax TCT cutters are made with the highest quality carbide available and are extremely well suited to work on harder materials and higher speed applications. TCT cutters are most cost effective for larger holes (over 1-1/2" in diameter) and in thicker materials (2" and over).

Cutting Fluid

Steelmax High-Performance Cutting Fluid should be used with all annular cutters for optimal cutting performance and to extend cutter life. Our High-Performance Cutting Fluid is a water-based cutting fluid that is bio-degradable and does not require time-consuming cleanup prior to welding or assembling parts.



Steelmax
The tools of innovation.

STEELMAX® HSS ANNULAR CUTTERS

M2AL HSS Annular Cutters

STEELMAX M2AL HSS ANNULAR CUTTERS					
Diameter	Decimal Equivalent	1" DOC	2" DOC	4" DOC	6" DOC
		Part Number	Part Number	Part Number	Part Number
7/16"	0.4375	SM-AC-04375-1	SM-AC-04375-2	4" and 6" DOC Cutters not available in these diameters	
1/2"	0.5000	SM-AC-05000-1	SM-AC-05000-2		
9/16"	0.5625	SM-AC-05625-1	SM-AC-05625-2		
5/8"	0.6250	SM-AC-06250-1	SM-AC-06250-2		
1 1/16"	0.6875	SM-AC-06875-1	SM-AC-06875-2	SM-AC-06875-4	
3/4"	0.7500	SM-AC-07500-1	SM-AC-07500-2	SM-AC-07500-4	
13/16"	0.8125	SM-AC-08125-1	SM-AC-08125-2	SM-AC-08125-4	
7/8"	0.8750	SM-AC-08750-1	SM-AC-08750-2	SM-AC-08750-4	SM-AC-08750-6
15/16"	0.9375	SM-AC-09375-1	SM-AC-09375-2	SM-AC-09375-4	SM-AC-09375-6
1"	1.0000	SM-AC-10000-1	SM-AC-10000-2	SM-AC-10000-4	SM-AC-10000-6
1-1/16"	1.0625	SM-AC-10625-1	SM-AC-10625-2	SM-AC-10625-4	SM-AC-10625-6
1-1/8"	1.1250	SM-AC-11250-1	SM-AC-11250-2	SM-AC-11250-4	SM-AC-11250-6
1-3/16"	1.1875	SM-AC-11875-1	SM-AC-11875-2	SM-AC-11875-4	SM-AC-11875-6
1-1/4"	1.2500	SM-AC-12500-1	SM-AC-12500-2	Other sizes available by special order. Please call for more information.	
1-5/16"	1.3125	SM-AC-13125-1	SM-AC-13125-2		
1-3/8"	1.3750	SM-AC-13750-1	SM-AC-13750-2		
1-7/16"	1.4375	SM-AC-14375-1	SM-AC-14375-2		
1-1/2"	1.5000	SM-AC-15000-1	SM-AC-15000-2		
1-9/16"	1.5625	SM-AC-15625-1	SM-AC-15625-2		
1-5/8"	1.6250	SM-AC-16250-1	SM-AC-16250-2		
1-11/16"	1.6875	SM-AC-16875-1	SM-AC-16875-2		
1-3/4"	1.7500	SM-AC-17500-1	SM-AC-17500-2		
1-13/16"	1.8125	SM-AC-18125-1	SM-AC-18125-2		
1-7/8"	1.8750	SM-AC-18750-1	SM-AC-18750-2		
1-15/16"	1.9375	SM-AC-19375-1	SM-AC-19375-2		
2"	2.0000	SM-AC-20000-1	SM-AC-20000-2		
2-1/16"	2.0625	SM-AC-20625-1	SM-AC-20625-2		
2-1/8"	2.1250	SM-AC-21250-1	SM-AC-21250-2		
2-3/16"	2.1875	SM-AC-21875-1	SM-AC-21875-2		
2-1/4"	2.2500	SM-AC-22500-1	SM-AC-22500-2		
2-5/16"	2.3125	SM-AC-23125-1	SM-AC-23125-2		
2-3/8"	2.3750	SM-AC-23750-1	SM-AC-23750-2		

Pilot Pins included with 1", 2" and 4" DOC cutters. Pilot Pin for 6" DOC cutters must be purchased separately



The tools of innovation.

For ordering and customer service, or to request detailed product information or demonstration videos, contact:

STEELMAX® TCT ANNULAR CUTTERS

TCT Annular Cutters

STEELMAX TCT ANNULAR CUTTERS						
Diameter	Decimal Equivalent	1-3/8" DOC	2" DOC	3" DOC	4" DOC	6" DOC
		Part Number	Part Number	Part Number	Part Number	Part Number
1/2"	0.5000	SM-AC-TC-05000-1	SM-AC-TC-05000-2	Not Available in These Diameters		
9/16"	0.5625	SM-AC-TC-05625-1	SM-AC-TC-05625-2			
5/8"	0.6250	SM-AC-TC-06250-1	SM-AC-TC-06250-2			
11/16"	0.6875	SM-AC-TC-06875-1	SM-AC-TC-06875-2			
3/4"	0.7500	SM-AC-TC-07500-1	SM-AC-TC-07500-2	SM-AC-TC-07500-3	SM-AC-07500-4	SM-AC-TC-07500-6
13/16"	0.8125	SM-AC-TC-08125-1	SM-AC-TC-08125-2	SM-AC-TC-08125-3	SM-AC-08125-4	SM-AC-TC-08125-6
7/8"	0.8750	SM-AC-TC-08750-1	SM-AC-TC-08750-2	SM-AC-TC-08750-3	SM-AC-08750-4	SM-AC-TC-08750-6
15/16"	0.9375	SM-AC-TC-09375-1	SM-AC-TC-09375-2	SM-AC-TC-09375-3	SM-AC-09375-4	SM-AC-TC-09375-6
1"	1.0000	SM-AC-TC-10000-1	SM-AC-TC-10000-2	SM-AC-TC-10000-3	SM-AC-10000-4	SM-AC-TC-10000-6
1-1/16"	1.0625	SM-AC-TC-10625-1	SM-AC-TC-10625-2	SM-AC-TC-10625-3	SM-AC-10625-4	SM-AC-TC-10625-6
1-1/8"	1.1250	SM-AC-TC-11250-1	SM-AC-TC-11250-2	SM-AC-TC-11250-3	SM-AC-11250-4	SM-AC-TC-11250-6
1-3/16"	1.1875	SM-AC-TC-11875-1	SM-AC-TC-11875-2	SM-AC-TC-11875-3	SM-AC-11875-4	SM-AC-TC-11875-6
1-1/4"	1.2500	SM-AC-TC-12500-1	SM-AC-TC-12500-2	SM-AC-TC-12500-3	Other sizes available by special order. Please call for more information.	
1-5/16"	1.3125	SM-AC-TC-13125-1	SM-AC-TC-13125-2	SM-AC-TC-13125-3		
1-3/8"	1.3750	SM-AC-TC-13750-1	SM-AC-TC-13750-2	SM-AC-TC-13750-3		
1-7/16"	1.4375	Available by Special Order	SM-AC-TC-14375-2	SM-AC-TC-14375-3		
1-1/2"	1.5000		SM-AC-TC-15000-2	SM-AC-TC-15000-3		
1-9/16"	1.5625		SM-AC-TC-15625-2	SM-AC-TC-15625-3		
1-5/8"	1.6250		SM-AC-TC-16250-2	SM-AC-TC-16250-3		
1-11/16"	1.6875		SM-AC-TC-16875-2	SM-AC-TC-16875-3		
1-3/4"	1.7500		SM-AC-TC-17500-2	SM-AC-TC-17500-3		
1-13/16"	1.8125		SM-AC-TC-18125-2	SM-AC-TC-18125-3		
1-7/8"	1.8750		SM-AC-TC-18750-2	SM-AC-TC-18750-3		
1-15/16"	1.9375		SM-AC-TC-19375-2	SM-AC-TC-19375-3		
2"	2.0000		SM-AC-TC-20000-2	SM-AC-TC-20000-3		
2-1/16"	2.0625		SM-AC-TC-20625-2	SM-AC-TC-20625-3		
2-1/8"	2.1250		SM-AC-TC-21250-2	SM-AC-TC-21250-3		
2-3/16"	2.1875		SM-AC-TC-21875-2	SM-AC-TC-21875-3		
2-1/4"	2.2500		SM-AC-TC-22500-2	SM-AC-TC-22500-3		
2-5/16"	2.3125	SM-AC-TC-23125-2	SM-AC-TC-23125-3			
2-3/8"	2.3750	SM-AC-TC-23750-2	SM-AC-TC-23750-3			

Pilot Pins included with 1", 2" and 4" DOC cutters. Pilot Pin for 6" DOC cutters must be purchased separately



Steelmax
The tools of innovation.

STEELMAX® METRIC HSS ANNULAR CUTTERS

STEELMAX M2AL METRIC HSS ANNULAR CUTTERS			
Diameter	Decimal Equivalent	1" DOC	2" DOC
		Part Number	Part Number
14mm	0.5512	SM-AC-14-M-1	SM-AC-14-M-2
15mm	0.5906	SM-AC-15-M-1	SM-AC-15-M-2
16mm	0.6299	SM-AC-16-M-1	SM-AC-16-M-2
17mm	0.6693	SM-AC-17-M-1	SM-AC-17-M-2
18mm	0.7087	SM-AC-18-M-1	SM-AC-18-M-2
19mm	0.7480	SM-AC-19-M-1	SM-AC-19-M-2
20mm	0.7874	SM-AC-20-M-1	SM-AC-20-M-2
21mm	0.8268	SM-AC-21-M-1	SM-AC-21-M-2
22mm	0.8661	SM-AC-22-M-1	SM-AC-22-M-2
23mm	0.9055	SM-AC-23-M-1	SM-AC-23-M-2
24mm	0.9449	SM-AC-24-M-1	SM-AC-24-M-2
25mm	0.9843	SM-AC-25-M-1	SM-AC-25-M-2
26mm	1.0236	SM-AC-26-M-1	SM-AC-26-M-2
27mm	1.0630	SM-AC-27-M-1	SM-AC-27-M-2
28mm	1.1024	SM-AC-28-M-1	SM-AC-28-M-2
29mm	1.1417	SM-AC-29-M-1	SM-AC-29-M-2
30mm	1.1811	SM-AC-30-M-1	SM-AC-30-M-2
31mm	1.2205	SM-AC-31-M-1	SM-AC-31-M-2
32mm	1.2598	SM-AC-32-M-1	SM-AC-32-M-2
33mm	1.2992	SM-AC-33-M-1	SM-AC-33-M-2
34mm	1.3386	SM-AC-34-M-1	SM-AC-34-M-2
35mm	1.3780	SM-AC-35-M-1	SM-AC-35-M-2
36mm	1.4173	SM-AC-36-M-1	SM-AC-36-M-2
37mm	1.4567	SM-AC-37-M-1	SM-AC-37-M-2
38mm	1.4961	SM-AC-38-M-1	SM-AC-38-M-2
39mm	1.5354	SM-AC-39-M-1	SM-AC-39-M-2
40mm	1.5748	SM-AC-40-M-1	SM-AC-40-M-2
41mm	1.6142	SM-AC-41-M-1	SM-AC-41-M-2
42mm	1.6535	SM-AC-42-M-1	SM-AC-42-M-2
43mm	1.6929	SM-AC-43-M-1	SM-AC-43-M-2
44mm	1.7323	SM-AC-44-M-1	SM-AC-44-M-2
45mm	1.7717	SM-AC-45-M-1	SM-AC-45-M-2
46mm	1.8110	SM-AC-46-M-1	SM-AC-46-M-2
47mm	1.8504	SM-AC-47-M-1	SM-AC-47-M-2
48mm	1.8898	SM-AC-48-M-1	SM-AC-48-M-2
49mm	1.9291	SM-AC-49-M-1	SM-AC-49-M-2
50mm	1.9685	SM-AC-50-M-1	SM-AC-50-M-2



Pilot Pins included with all metric HSS cutters

Steelmax

The tools of innovation.

For ordering and customer service, or to request detailed product information or demonstration videos, contact:

STEELMAX® ANNULAR CUTTERS

STEELMAX LARGE DIAMETER TCT ANNULAR CUTTERS		
Diameter	Decimal Equivalent	2" DOC
		Part Number
2-7/16"	2.4375	SM-AC-TC-24375-2
2-1/2"	2.5000	SM-AC-TC-25000-2
2-9/16"	2.5625	SM-AC-TC-25625-2
2-5/8"	2.6250	SM-AC-TC-26250-2
2-11/16"	2.6875	SM-AC-TC-26875-2
2-3/4"	2.7500	SM-AC-TC-27500-2
2-13/16"	2.8125	SM-AC-TC-28125-2
2-7/8"	2.8750	SM-AC-TC-28750-2
2-15/16"	2.9375	SM-AC-TC-29375-2
3"	3.0000	SM-AC-TC-30000-2
3-1/16"	3.0625	SM-AC-TC-30625-2
3-1/8"	3.1250	SM-AC-TC-31250-2
3-3/16"	3.1875	SM-AC-TC-31875-2
3-1/4"	3.2500	SM-AC-TC-32500-2
3-5/16"	3.3125	SM-AC-TC-33125-2
3-3/8"	3.3750	SM-AC-TC-33750-2
3-7/16"	3.4375	SM-AC-TC-34375-2
3-1/2"	3.5000	SM-AC-TC-35000-2
3-9/16"	3.5625	SM-AC-TC-35625-2
3-5/8"	3.6250	SM-AC-TC-36250-2
3-11/16"	3.6875	SM-AC-TC-36875-2
3-3/4"	3.7500	SM-AC-TC-37500-2
3-13/16"	3.8125	SM-AC-TC-38125-2
3-7/8"	3.8750	SM-AC-TC-38750-2
3-15/16"	3.9375	SM-AC-TC-39375-2



Pilot Pins included with large diameter TCT Annular Cutters

Steelmax

The tools of innovation.

STEELMAX® ANNULAR CUTTER SETS

Steelmax Cutter Set SM-AC-SET-7-1		
1" Depth of Cut, 3/4" Shank		
Cutter Diameter	Decimal Equivalent	Part Number
9/16"	0.5625	SM-AC-05625-1
11/16"	0.6875	SM-AC-06875-1
13/16"	0.8125	SM-AC-08125-1
15/16"	0.9375	SM-AC-09375-1
1-1/16"	1.0625	SM-AC-10625-1
1" Pilot Pin		SM-PP-02

Steelmax Cutter Set SM-AC-SET-7-2		
2" Depth of Cut, 3/4" Shank		
Cutter Diameter	Decimal Equivalent	Part Number
9/16"	0.5625	SM-AC-05625-2
11/16"	0.6875	SM-AC-06875-2
13/16"	0.8125	SM-AC-08125-2
15/16"	0.9375	SM-AC-09375-2
1-1/16"	1.0625	SM-AC-10625-2
2" Pilot Pin		SM-PP-04

Coutersinks For Magnetic Drills			
3/4" Weldon Shank			
Diameter	# of Flutes	Degree	Part Number
1"	3	82	SM-CTS-1000-82
1"	3	90	SM-CTS-1000-90
1-1/2"	3	82	SM-CTS-1500-82
1-1/2"	3	90	SM-CTS-1500-90
2"	3	82	SM-CTS-2000-82
2"	3	90	SM-CTS-2000-90

Twist Bits for Magnetic Drills			
3/4" Weldon Shank			
Diameter	Decimal Equivalent	Depth of Cut	Part Number
1/4"	0.2500	2"	SM-AC-TB-02500-2
5/16"	0.3125	2"	SM-AC-TB-03125-2
3/8"	0.3750	2"	SM-AC-TB-03750-2

Quick Change Adaptors for 3/4" Weldon Shank Cutters*			
	1" DOC HSS Cutters	2" DOC HSS Cutters 2" DOCTCT Cutters	3" DOCTCT Cutters
Adaptor	SM-NDA-634	SM-NDA-634	SM-NDA-798
Pilot Pin	SM-PP-04	SM-PP-19	SM-PP-20

*Allows any standard 3/4" weldon shank cutter to fit in a Nitto Drill



Steelmax point-of-sale cutter display available. Call for details.

Steelmax Cutter Set SM-AC-SET-13-1		
1" Depth of Cut, 3/4" Shank		
Cutter Diameter	Decimal Equivalent	Part Number
7/16"	0.4375	SM-AC-04375-1
1/2"	0.5000	SM-AC-05000-1
9/16"	0.5625	SM-AC-05625-1
5/8"	0.6250	SM-AC-06250-1
11/16"	0.6875	SM-AC-06875-1
3/4"	0.7500	SM-AC-07500-1
13/16"	0.8125	SM-AC-08125-1
7/8"	0.8750	SM-AC-08750-1
15/16"	0.9375	SM-AC-09375-1
1"	1.0000	SM-AC-10000-1
1-1/16"	1.0625	SM-AC-10625-1
1" Pilot Pin (7/16")		SM-PP-01
1" Pilot Pin		SM-PP-02

Steelmax Cutter Set SM-AC-SET-13-2		
2" Depth of Cut, 3/4" Shank		
Cutter Diameter	Decimal Equivalent	Part Number
7/16"	0.4375	SM-AC-04375-2
1/2"	0.5000	SM-AC-05000-2
9/16"	0.5625	SM-AC-05625-2
5/8"	0.6250	SM-AC-06250-2
11/16"	0.6875	SM-AC-06875-2
3/4"	0.7500	SM-AC-07500-2
13/16"	0.8125	SM-AC-08125-2
7/8"	0.8750	SM-AC-08750-2
15/16"	0.9375	SM-AC-09375-2
1"	1.0000	SM-AC-10000-2
1-1/16"	1.0625	SM-AC-10625-2
2" Pilot Pin (7/16")		SM-PP-03
2" Pilot Pin		SM-PP-04



Steelmax

The tools of innovation.

For ordering and customer service, or to request detailed product information or demonstration videos, contact:

