

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

HSS (M2AL) ANNULAR CUTTERS - 3/4" WELDON SHANK - IMPERIAL SIZES					
Cutter Diameter (in)	Decimal Equivalent	Steelmax Part Number			
		1" Depth of Cut	Included Pilot Pin	2" Depth of Cut	Included Pilot Pin
7/16	0.4375	SM-AC-04375-1	SM-PP-01	SM-AC-04375-2	SM-PP-03
1/2	0.5000	SM-AC-05000-1	SM-PP-02	SM-AC-05000-2	SM-PP-04
9/16	0.5625	SM-AC-05625-1	SM-PP-02	SM-AC-05625-2	SM-PP-04
5/8	0.6250	SM-AC-06250-1	SM-PP-02	SM-AC-06250-2	SM-PP-04
11/16	0.6875	SM-AC-06875-1	SM-PP-02	SM-AC-06875-2	SM-PP-04
3/4	0.7500	SM-AC-07500-1	SM-PP-02	SM-AC-07500-2	SM-PP-04
13/16	0.8125	SM-AC-08125-1	SM-PP-02	SM-AC-08125-2	SM-PP-04
7/8	0.8750	SM-AC-08750-1	SM-PP-02	SM-AC-08750-2	SM-PP-04
15/16	0.9375	SM-AC-09375-1	SM-PP-02	SM-AC-09375-2	SM-PP-04
1	1.0000	SM-AC-10000-1	SM-PP-02	SM-AC-10000-2	SM-PP-04
1 1/16	1.0625	SM-AC-10625-1	SM-PP-02	SM-AC-10625-2	SM-PP-04
1 1/8	1.1250	SM-AC-11250-1	SM-PP-02	SM-AC-11250-2	SM-PP-04
1 3/16	1.1875	SM-AC-11875-1	SM-PP-02	SM-AC-11875-2	SM-PP-04
1 1/4	1.2500	SM-AC-12500-1	SM-PP-02	SM-AC-12500-2	SM-PP-04
1 5/16	1.3125	SM-AC-13125-1	SM-PP-02	SM-AC-13125-2	SM-PP-04
1 3/8	1.3750	SM-AC-13750-1	SM-PP-02	SM-AC-13750-2	SM-PP-04
1 7/16	1.4375	SM-AC-14375-1	SM-PP-02	SM-AC-14375-2	SM-PP-04
1 1/2	1.5000	SM-AC-15000-1	SM-PP-02	SM-AC-15000-2	SM-PP-04
1 9/16	1.5625	SM-AC-15625-1	SM-PP-02	SM-AC-15625-2	SM-PP-04
1 5/8	1.6250	SM-AC-16250-1	SM-PP-02	SM-AC-16250-2	SM-PP-04
1 11/16	1.6875	SM-AC-16875-1	SM-PP-02	SM-AC-16875-2	SM-PP-04
1 3/4	1.7500	SM-AC-17500-1	SM-PP-02	SM-AC-17500-2	SM-PP-04
1 13/16	1.8125	SM-AC-18125-1	SM-PP-02	SM-AC-18125-2	SM-PP-04
1 7/8	1.8750	SM-AC-18750-1	SM-PP-02	SM-AC-18750-2	SM-PP-04
1 15/16	1.9375	SM-AC-19375-1	SM-PP-02	SM-AC-19375-2	SM-PP-04
2	2.0000	SM-AC-20000-1	SM-PP-02	SM-AC-20000-2	SM-PP-04
2 1/16	2.0625	SM-AC-20625-1	SM-PP-02	SM-AC-20625-2	SM-PP-04
2 1/8	2.1250	SM-AC-21250-1	SM-PP-02	SM-AC-21250-2	SM-PP-04
2 3/16	2.1875	SM-AC-21875-1	SM-PP-02	SM-AC-21875-2	SM-PP-04
2 1/4	2.2500	SM-AC-22500-1	SM-PP-02	SM-AC-22500-2	SM-PP-04
2 5/16	2.3125	SM-AC-23125-1	SM-PP-02	SM-AC-23125-2	SM-PP-04
2 3/8	2.3750	SM-AC-23750-1	SM-PP-02	SM-AC-23750-2	SM-PP-04

HSS (M2AL) ANNULAR CUTTERS - 3/4" WELDON SHANK - METRIC SIZES					
Cutter Diameter (in)	Decimal Equivalent	Steelmax Part Number			
		1" Depth of Cut	Included Pilot Pin	2" Depth of Cut	Included Pilot Pin
14 mm	0.5512	SM-AC-14-M-1	SM-PP-02	SM-AC-14-M-2	SM-PP-04
15 mm	0.5906	SM-AC-15-M-1	SM-PP-02	SM-AC-15-M-2	SM-PP-04
16 mm	0.6299	SM-AC-16-M-1	SM-PP-02	SM-AC-16-M-2	SM-PP-04
17 mm	0.6693	SM-AC-17-M-1	SM-PP-02	SM-AC-17-M-2	SM-PP-04
18 mm	0.7087	SM-AC-18-M-1	SM-PP-02	SM-AC-18-M-2	SM-PP-04
19 mm	0.7480	SM-AC-19-M-1	SM-PP-02	SM-AC-19-M-2	SM-PP-04
20 mm	0.7874	SM-AC-20-M-1	SM-PP-02	SM-AC-20-M-2	SM-PP-04
21 mm	0.8268	SM-AC-21-M-1	SM-PP-02	SM-AC-21-M-2	SM-PP-04
22 mm	0.8661	SM-AC-22-M-1	SM-PP-02	SM-AC-22-M-2	SM-PP-04
23 mm	0.9055	SM-AC-23-M-1	SM-PP-02	SM-AC-23-M-2	SM-PP-04
24 mm	0.9449	SM-AC-24-M-1	SM-PP-02	SM-AC-24-M-2	SM-PP-04
25 mm	0.9843	SM-AC-25-M-1	SM-PP-02	SM-AC-25-M-2	SM-PP-04
26 mm	1.0236	SM-AC-26-M-1	SM-PP-02	SM-AC-26-M-2	SM-PP-04
28 mm	1.1024	SM-AC-28-M-1	SM-PP-02	SM-AC-28-M-2	SM-PP-04
29 mm	1.1417	SM-AC-29-M-1	SM-PP-02	SM-AC-29-M-2	SM-PP-04
31 mm	1.2205	SM-AC-31-M-1	SM-PP-02	SM-AC-31-M-2	SM-PP-04

Standard Sizes Above In Stock - Please call for custom sizes

STEELMAX® TCT ANNULAR CUTTERS

TCT Annular Cutters

TCT ANNULAR CUTTERS - 3/4" WELDON SHANK - IMPERIAL SIZES					
Cutter Diameter (in)	Decimal Equivalent	Steelmax Part Number			
		2" Depth of Cut	Included Pilot Pin	3" Depth of Cut	Included Pilot Pin
1/2	0.5000	SM-AC-TC-05000-2	SM-PP-14		
9/16	0.5625	SM-AC-TC-05625-2	SM-PP-14		
5/8	0.6250	SM-AC-TC-06250-2	SM-PP-14		
11/16	0.6875	SM-AC-TC-06875-2	SM-PP-14		
3/4	0.7500	SM-AC-TC-07500-2	SM-PP-14	SM-AC-TC-07500-3	SM-PP-17
13/16	0.8125	SM-AC-TC-08125-2	SM-PP-14	SM-AC-TC-08125-3	SM-PP-17
7/8	0.8750	SM-AC-TC-08750-2	SM-PP-14	SM-AC-TC-08750-3	SM-PP-17
15/16	0.9375	SM-AC-TC-09375-2	SM-PP-14	SM-AC-TC-09375-3	SM-PP-17
1	1.0000	SM-AC-TC-10000-2	SM-PP-14	SM-AC-TC-10000-3	SM-PP-17
1 1/16	1.0625	SM-AC-TC-10625-2	SM-PP-14	SM-AC-TC-10625-3	SM-PP-17
1 1/8	1.1250	SM-AC-TC-11250-2	SM-PP-14	SM-AC-TC-11250-3	SM-PP-17
1 3/16	1.1875	SM-AC-TC-11875-2	SM-PP-14	SM-AC-TC-11875-3	SM-PP-17
1 1/4	1.2500	SM-AC-TC-12500-2	SM-PP-14	SM-AC-TC-12500-3	SM-PP-17
1 5/16	1.3125	SM-AC-TC-13125-2	SM-PP-14	SM-AC-TC-13125-3	SM-PP-17
1 3/8	1.3750	SM-AC-TC-13750-2	SM-PP-14	SM-AC-TC-13750-3	SM-PP-17
1 7/16	1.4375	SM-AC-TC-14375-2	SM-PP-14	SM-AC-TC-14375-3	SM-PP-17
1 1/2	1.5000	SM-AC-TC-15000-2	SM-PP-14	SM-AC-TC-15000-3	SM-PP-17
1 9/16	1.5625	SM-AC-TC-15625-2	SM-PP-14	SM-AC-TC-15625-3	SM-PP-17
1 5/8	1.6250	SM-AC-TC-16250-2	SM-PP-14	SM-AC-TC-16250-3	SM-PP-17
1 11/16	1.6875	SM-AC-TC-16875-2	SM-PP-14	SM-AC-TC-16875-3	SM-PP-17
1 3/4	1.7500	SM-AC-TC-17500-2	SM-PP-14	SM-AC-TC-17500-3	SM-PP-17
1 13/16	1.8125	SM-AC-TC-18125-2	SM-PP-14	SM-AC-TC-18125-3	SM-PP-17
1 7/8	1.8750	SM-AC-TC-18750-2	SM-PP-14	SM-AC-TC-18750-3	SM-PP-17
1 15/16	1.9375	SM-AC-TC-19375-2	SM-PP-14	SM-AC-TC-19375-3	SM-PP-17
2	2.0000	SM-AC-TC-20000-2	SM-PP-14	SM-AC-TC-20000-3	SM-PP-17
2 1/16	2.0625	SM-AC-TC-20625-2	SM-PP-14	SM-AC-TC-20625-3	SM-PP-17
2 1/8	2.1250	SM-AC-TC-21250-2	SM-PP-14	SM-AC-TC-21250-3	SM-PP-17
2 3/16	2.1875	SM-AC-TC-21875-2	SM-PP-14	SM-AC-TC-21875-3	SM-PP-17
2 1/4	2.2500	SM-AC-TC-22500-2	SM-PP-14	SM-AC-TC-22500-3	SM-PP-17
2 5/16	2.3125	SM-AC-TC-23125-2	SM-PP-14	SM-AC-TC-23125-3	SM-PP-17
2 3/8	2.3750	SM-AC-TC-23750-2	SM-PP-14	SM-AC-TC-23750-3	SM-PP-17
2 7/16	2.4375	SM-AC-TC-24375-2	SM-PP-16	TCT cutters 2-7/16" in diameter and larger have 1-1/4" Weldon shanks and require an appropriate arbor.	
2 1/2	2.5000	SM-AC-TC-25000-2	SM-PP-16		
2 9/16	2.5625	SM-AC-TC-25625-2	SM-PP-16		
2 3/4	2.6250	SM-AC-TC-26250-2	SM-PP-16		
2 11/16	2.6875	SM-AC-TC-26875-2	SM-PP-16		
2 3/4	2.7500	SM-AC-TC-27500-2	SM-PP-16		
2 13/16	2.8125	SM-AC-TC-28125-2	SM-PP-16		
2 7/8	2.8750	SM-AC-TC-28750-2	SM-PP-16		
2 15/16	2.9375	SM-AC-TC-29375-2	SM-PP-16		
3	3.0000	SM-AC-TC-30000-2	SM-PP-16		



STEELMAX® ANNULAR CUTTER SETS



Steelmax Cutter Set #SM-AC-SET-7-1 1" depth cut, 3/4" shank		
Cutter Diameter	Decimal Equivalent	Part No.
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
Cutter Case		SM-AC-SET-7-BOX-1

Steelmax Cutter Set #SM-AC-SET-7-2 2" depth cut, 3/4" shank		
Cutter Diameter	Decimal Equivalent	Part No.
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
Cutter Case		SM-AC-SET-7-BOX-2

Steelmax Cutter Set #SM-AC-SET-13-1 1" depth cut, 3/4" shank		
Cutter Diameter	Decimal Equivalent	Part No.
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
Cutter Case		SM-AC-SET-13-BOX-1

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 Cutter Set #SM-AC-SET-13-2 2" depth cut, 3/4" shank		
Cutter Diameter	Decimal Equivalent	Part No.
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
Cutter Case		SM-AC-SET-13-BOX-2



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

Steelmax
The tools of innovation.

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



877-833-5629

STEELMAX.COM

sales@Steelmax.com

Fax: 303-690-9172