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*Supplying the Aerospace, Defense & Metal Working Industries Since 1951!*

**Minimum Order**

\$100.00 List Price

**Terms**

Net 30 days on approved credit only.  
Approved credit cards.  
Prepaid via check or wire transfer.

**No C.O.D. shipments.**

**Returns**

Return authorization is required.  
Merchandise must be sent freight prepaid to the facility from which it was purchased.  
A 20% restocking charge is applicable.

**All claims must be made within 7 days of receipt of goods.**

**Freight**

F.O.B. shipping point.

**Special Orders**

All special orders may require prepayment.

**Currency**

All prices are in US dollars.

**Overseas Customer Terms**

Same as above, only **prepayment via bank wire transfer (all fees for buyers account) or by bank check.**

US Air Tool Company (also known as USATCO) has been a family owned and operated business since 1951. We are now a US manufacturer and worldwide distributor of high quality tools for the aviation industry with offices in New York & California. In addition, from the beginning of the homebuilder era in the 1970's, USATCO has been providing tools and equipment to craftsmen around the world who build and fly their own aircraft. These "sheet-metal artists" are now flying thousands of planes built and maintained with USATCO tools.

USATCO offers the highest quality products at competitive prices, with the knowledge and experience necessary for expert advice in product selection. Our courteous staff will be pleased to assist you. And of course, all the products we offer are fully guaranteed. If you don't see what you are looking for, please don't hesitate to contact us. We work hard to provide our customers with straightforward & reliable business. Try us & see!

**USATCO.com**

Don't forget to check out USATCO Online, with monthly sales, homebuilder specials, surplus items & an easy to use interface its a great place to shop for tools on the web. [www.USATCO.com](http://www.USATCO.com)

**Government IMPAC Cards Accepted**

**USATCO Tool Repair**

We repair all major brand pneumatic tools on our premises. We are an official repair station for Cherry Textron<sup>®</sup>, Chicago Pneumatic<sup>®</sup>, and Cooper<sup>®</sup> Power Tools (including Dotco<sup>®</sup>, Gardener Denver<sup>®</sup>, Buckeye<sup>®</sup> and Doler<sup>®</sup>). In addition, we have our own manufacturing and modification facilities. We are riveting and product assembly specialists!

We will be happy to examine your tools free of charge and give you an estimate of repair cost. Ship prepaid to any of our facilities. Please send tensiometers to our New York Lab only.

**Please ask about our tool rental policy!**

**Limited Warranty**

*If for any reason you are not completely satisfied with any item purchased from us you may request a return authorization within seven (7) days of receipt of goods. When obtained, send us the item (transportation prepaid) for replacement, repair or refund. Tools manufactured by USATCO are warrantied for one (1) year from date of purchase. We cannot assume liability for abuse, misuse or alteration of goods. Any tampering with tools or attempted repairs of same will nullify this warranty. Warranties from other manufacturers available upon request.*

## Solid Carbide Brad Point Drills



- Specifically designed for drilling graphite and aramid fiber (KEVLAR®) reinforced composite materials.
- Specially modified tip keeps fibers in tension while cutting in shear eliminating delamination for a more precise hole.
- Other sizes available, please inquire.



Solid Carbide				
Part Number	Size	Decimal	Flute	O.A.L.
02-AWD-3/32	3/32"	0.0938"	1/2"	1-3/4" (45 mm)
02-AWD-40	#40	0.0980"	1/2"	1-13/16" (46 mm)
02-AWD-1/8	1/8"	0.1250"	5/8"	1-7/8" (48 mm)
02-AWD-5/32	5/32"	0.1562"	3/4"	2-1/16" (52 mm)
02-AWD-21	#21	0.1590"	7/8"	2-1/8" (54 mm)
02-AWD-3/16	3/16"	0.1875"	15/16"	2-3/16" (56 mm)
02-AWD-10	#10	0.1935"	1"	2-1/4" (57 mm)
02-AWD-7/32	7/32"	0.2188"	1-1/16"	2-3/8" (60 mm)
02-AWD-1/4	1/4"	0.2500"	1-1/4"	2-1/2" (64 mm)
02-AWD-5/16	5/16"	0.3125"	1-1/2"	2-13/16" (71 mm)
02-AWD-3/8	3/8"	0.3750"	1-5/8"	3-1/8" (79 mm)

## Solid Carbide Tapered Reamer Drills



- Four flute, tapered tip design is excellent for drilling fiberglass and carbon graphite materials.
- Other lengths available, please inquire.



Solid Carbide - 6" O.A.L.		
Part Number	Size	Decimal
02-GDRS-40	#40	0.0980"
02-GDRS-1/8	1/8"	0.1250"
02-GDRS-30	#30	0.1285"
02-GDRS-5/32	5/32"	0.1562"
02-GDRS-21	#21	0.1590"
02-GDRS-20	#20	0.1610"

Solid Carbide - 6" O.A.L.		
Part Number	Size	Decimal
02-GDRS-3/16	3/16"	0.1875"
02-GDRS-10	#10	0.1935"
02-GDRS-8	#8	0.1990"
02-GDRS-1/4	1/4"	0.2500"
02-GDRS-5/16	5/16"	0.3125"

## Solid Carbide Dagger Drills



- Drill holes in graphite materials (including graphite-aluminum) up to 1/4" thick without delamination.
- Other lengths available, please inquire.



Solid Carbide - 6" O.A.L.		
Part Number	Size	Decimal
02-GDDS-098	#40	0.0980"
02-GDDS-128	#30	0.1285"
02-GDDS-159	#21	0.1590"

Solid Carbide - 6" O.A.L.		
Part Number	Size	Decimal
02-GDDS-187	3/16"	0.1875"
02-GDDS-193	#10	0.1935"
02-GDDS-250	1/4"	0.2500"

## General Purpose Diamond Plated Twist Drills



Perfect for drilling graphite epoxy, carbon, boron and fiberglass.

40/60 Grit - Jobber's Length	
Part Number	Head Dia.
49-TD1	1/8" (3.2 mm)
49-TD2	1/4" (6.35 mm)
49-TD3	3/8" (10 mm)
49-TD4	7/16" (11 mm)
49-TD5	1/2" (13 mm)

40/60 Grit - Jobber's Length	
Part Number	Head Dia.
49-TD6	5/8" (16 mm)
49-TD7	3/4" (19 mm)
49-TD8	7/8" (22 mm)
49-TD9	1" (25 mm)

Note: Other sizes available, please inquire.

## Diamond Plated Integral Pilot Countersinks



1/4"-28 Thread - 100° Cutter Angle		
Part Number	Outside Diameter	Overall Length
02-38C	3/8" (10 mm)	1" (25 mm)
02-50C	1/2" (13 mm)	1" (25 mm)
02-62C	5/8" (16 mm)	1" (25 mm)

1/4"-28 Thread - 130° Cutter Angle		
Part Number	Outside Diameter	Overall Length
02-38D	3/8" (10 mm)	1" (25 mm)
02-50D	1/2" (13 mm)	1" (25 mm)
02-62D	5/8" (16 mm)	1" (25 mm)

Note: Select a base part number for the required cutter (charts above), add a pilot diameter, grit (chart below), and number of slots (0, 2 or 3).

Example: For a 100°, 1/2" diameter cutter with a 5/32" pilot, 40/60 grit and two slots the part number would be 02-50C-5/32-B-2.

Available Grits				
30/40	40/60	60/80	120/140	220/270
A	B	C	D	E

## Kevlar Fabric Hand Shears & Scissors



Note: For cordless electric kevlar scissors see page 237.

Part Number	Type	Cut Length	Overall Length
04-605	Trim Snip	3/4"	5" (127 mm)
04-468	Knife Edge	2-3/4"	8-1/4" (210 mm)
04-330	Serrated	4-1/2"	10" (254 mm)

# COMPOSITE CUTTING TOOLS

## Diamond Plated Jigsaw Blades



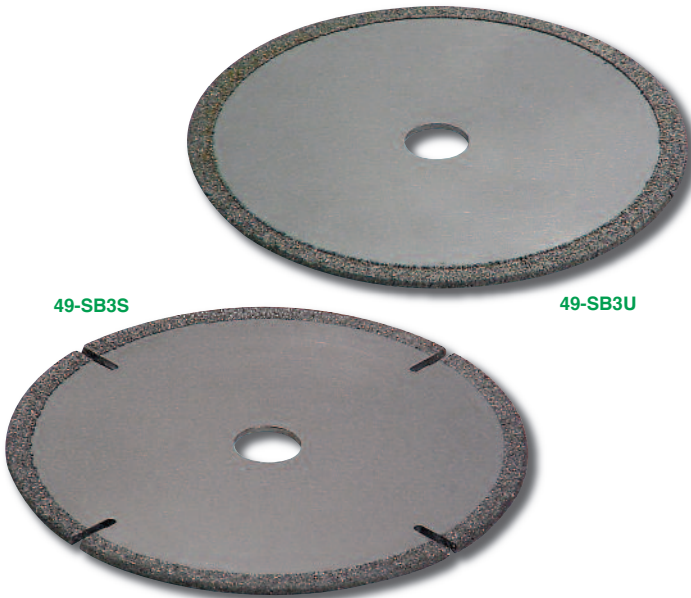
Part Number	Fits Jig Saws	Overall Length
49-300	Black & Decker & Competitive	3" (76 mm)
49-301	Rockwell Bayonet	3" (76 mm)
49-302	Bosch Style	3" (76 mm)
49-303	Rockwell Tiger & Competitive	4" (102 mm)
49-304	Black & Decker & Competitive	4" (102 mm)
49-305	Bosch Style	4" (102 mm)

## Mounted Diamond Plated Saw Blades



**Note:** Please specify shank diameter & blade thickness when ordering. Larger size blades are also available, please inquire.

## Arbor Mount Diamond Plated Saw Blades



**Note:** Please specify arbor diameter & blade thickness when ordering. Larger size blades are also available, please inquire.

Arbor Mounted 40/60 Grit - 1/8" Return			
Part Number Slotted	Part Number Unslotted	Outside Diameter	Plated Thickness (Kerf)
49-SB1S	49-SB1U	1" (25 mm)	.060" to .080"
49-SB1-1/2S	49-SB1-1/2U	1-1/2" (38 mm)	
49-SB2S	49-SB2U	2" (51 mm)	
49-SB2-1/2S	49-SB2-1/2U	2-1/2" (64 mm)	
49-SB3S	49-SB3U	3" (76 mm)	
49-SB3-1/2S	49-SB3-1/2U	3-1/2" (89 mm)	
49-SB4S	49-SB4U	4" (102 mm)	.090" to .110"
49-SB5S	49-SB5U	5" (127 mm)	
49-SB6S	49-SB6U	6" (152 mm)	
49-SB7S	49-SB7U	7" (178 mm)	
49-SB8S	49-SB8U	8" (203 mm)	
49-SB10S	49-SB10U	10" (25.4 cm)	

Mounted 40/60 Grit - 1/8" Return			
Part Number Slotted	Part Number Unslotted	Outside Diameter	Plated Thickness (Kerf)
49-MS3/4S	49-MS3/4U	3/4" (19 mm)	.080" to .100"
49-MS1S	49-MS1U	1" (25 mm)	
49-MS1-1/4S	49-MS1-1/4U	1-1/4" (32 mm)	
49-MS1-1/2S	49-MS1-1/2U	1-1/2" (38 mm)	
49-MS2S	49-MS2U	2" (51 mm)	
49-MS2-1/2S	49-MS2-1/2U	2-1/2" (64 mm)	
49-MS3S	49-MS3U	3" (76 mm)	.102" to .130"
49-MS3-1/2S	49-SMS-1/2U	3-1/2" (89 mm)	
49-MS4S	49-MS4U	4" (102 mm)	.130" to .150"
49-MS4-1/2S	49-MS4-1/2U	4-1/2" (114 mm)	
49-MS5S	49-MS5U	5" (127 mm)	.130" to .150"
49-MS6S	49-MS6U	6" (152 mm)	



For USATCO's Pro Composite Tool Kit See Page 68

## Diamond Plated Integral Shank Hole Saws



2" drilling depth (inside depth). Furnished with windows & slots.

**Note:** Larger sizes are available, please inquire.

40/60 Grit - 1/8" Return		40/60 Grit - 1/8" Return	
Part Number	Head Dia.	Part Number	Head Dia.
49-HS5	1/2" (13 mm)	49-HS12	2" (51 mm)
49-HS6	3/4" (19 mm)	49-HS13	2-1/4" (57 mm)
49-HS7	7/8" (22 mm)	49-HS14	2-1/2" (64 mm)
49-HS8	1" (25 mm)	49-HS15	2-3/4" (70 mm)
49-HS9	1-1/4" (32 mm)	49-HS16	3" (76 mm)
49-HS10	1-1/2" (38 mm)	49-HS17	4" (102 mm)
49-HS11	1-3/4" (44 mm)	49-HS18	5" (127 mm)

## Arbor Mount Diamond Plated Hole Saws

### MHS Series

- MHS series, "Black & Decker" type.
- Furnished with windows & slots.
- 1-1/2" drilling depth (inside depth).
- For use with arbors shown below.



**Note:** Larger sizes are available, please inquire.

40/60 Grit - 1/8" Return		40/60 Grit - 1/8" Return	
Part Number	Head Dia.	Part Number	Head Dia.
49-MHS1/2	1/2" (13 mm)	49-MHS1-3/4	1-3/4" (44 mm)
49-MHS9/16	9/16" (14 mm)	49-MHS1-7/8	1-7/8" (48 mm)
49-MHS5/8	5/8" (16 mm)	49-MHS2	2" (51 mm)
49-MHS3/4	3/4" (19 mm)	49-MHS2-1/4	2-1/4" (57 mm)
49-MHS7/8	7/8" (22 mm)	49-MHS2-1/2	2-1/2" (64 mm)
49-MHS1	1" (25 mm)	49-MHS3	3" (76 mm)
49-MHS1-1/16	1-1/16" (27 mm)	49-MHS3-1/4	3-1/4" (83 mm)
49-MHS1-1/8	1-1/8" (29 mm)	49-MHS3-1/2	3-1/2" (89 mm)
49-MHS1-3/16	1-3/16" (30 mm)	49-MHS4	4" (102 mm)
49-MHS1-1/4	1-1/4" (32 mm)	49-MHS4-1/4	4-1/4" (108 mm)
49-MHS1-3/8	1-3/8" (35 mm)	49-MHS4-1/2	4-1/2" (114 mm)
49-MHS1-1/2	1-1/2" (38 mm)	49-MHS5	5" (127 mm)

## Diamond Plated Routers



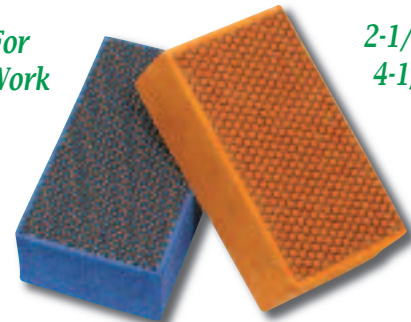
**Note:** Please specify shank diameter when ordering. On 3/4" & larger outside diameter routers, minimum shank diameter is 1/2". Larger sizes are available, please inquire.

40/60 Grit - 1/8" Outside Diameter				
Unfluted, Square End	Unfluted, Radius End	Fluted, Square End	Fluted, Radius End	Head Length
49-R1US	49-R1UR	—	—	1/4" (6.35 mm)
49-R2US	49-R2UR	—	—	1/2" (13 mm)

40/60 Grit - 1/4" Outside Diameter				
Unfluted, Square End	Unfluted, Radius End	Fluted, Square End	Fluted, Radius End	Head Length
49-R3US	49-R3UR	49-R3FS	49-R3FR	1/4" (6.35 mm)
49-R4US	49-R4UR	49-R4FS	49-R4FR	1/2" (13 mm)
49-R5US	49-R5UR	49-R5FS	49-R5FR	3/4" (19 mm)
49-R6US	49-R6UR	49-R6FS	49-R6FR	1" (25 mm)
49-R7US	49-R7UR	49-R7FS	49-R7FR	1-1/2" (38 mm)

## Flexible Diamond Hand Sanding Pads

Excellent For Composite Work

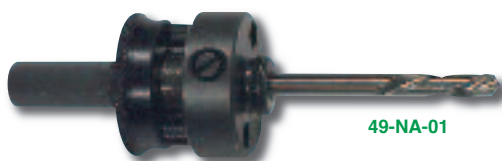


2-1/2" Wide x 4-1/4" Long

These diamond hand sanding pads work best when used wet.

Plated (for grinding)		Resin (for finishing)	
Part Number	Grit	Part Number	Grit
92350	70	92450	220
92351	120	92451	600
92352	220	92452	1800
92353	400	92453	3500
92354	600		

## MHS Series Hole Saw Arbors



- Setscrew body for pilot drill adjustment.
- Quick release for change of hole saws with arbor in chuck.

**Note:** Also available with pilots, please inquire.

For 9/16" To 1-3/16" Diameter Hole Saws			
Part Number	Screw Thread	Shank Size	Chuck Size
49-NA-01	1/2"-20	11/32" Hex	3/8"

For 1-1/4" To 6" Diameter Hole Saws			
Part Number	Screw Thread	Shank Size	Chuck Size
49-NA-05	5/8"-18	7/16" Hex	1/2"