



BI-METAL

**PART # 275AV02E  
 ELECTRICIAN'S HOLE SAW KIT**

8 Pc. Set contains:  
 1 each 7/8" - 1-1/8" - 1-3/8" - 1-3/4" - 2" - 2-1/2"  
 2 Arbors - ARB-2 - ARB-5



BI-METAL

**PART # 275AV100  
 MAINTENANCE HOLE SAW KIT**

11 Pc. Set contains:  
 1 each 3/4" - 7/8" - 1-1/8" - 1-3/8" - 1-1/2"  
 1-3/4" - 2" - 2-1/4" - 2-1/2"  
 2 Arbors - ARB-2 - ARB-5



CARBIDE TIPPED

**PART # 275AT100  
 CARBIDE TIPPED  
 MAINTENANCE HOLE SAW KIT**

11 Pc. Set contains:  
 1 each 3/4" - 7/8" - 1-1/8" - 1-3/8" - 1-1/2"  
 1-3/4" - 2" - 2-1/4" - 2-1/2"  
 2 Arbors - ARB-2 - ARB-5



BI-METAL

**PART # 275AV08E  
 MASTER ELECTRICIAN'S HOLE  
 SAW KIT**

12 Pc. Set contains:  
 1 each 7/8" - 1-1/8" - 1-3/8" - 1-3/4" - 2" - 2-1/2"  
 3" - 3-5/8" - 4-1/8" - 4-1/2"  
 2 Arbors - ARB-2 - ARB-5



**RECOMMENDED  
 Bi-Metal HOLE SAW  
 CUTTING SPEEDS IN RPM'S**



- ① **LUBRICANTS** - Use a good cutting oil for faster, more efficient cutting in ferrous metals. Cutting oil should not be used when cutting cast iron. Beeswax or paraffin is often used when cutting aluminum.
- ② **CUTTING POSITION** - Do not cut materials at an angle. All the hole saw teeth should be in contact with the material to avoid tooth damage.
- ③ **FEEDS** - For effective cutting, apply level and even pressure. Excessive pressure results in premature wear, dulling of the teeth, and breakage. When cutting material over 1" thick, the saw should be pulled back at intervals to allow chip clearance.

Made In



SIZE	MILD STEEL	CAST IRON	TOOL & STAINLESS	BRASS	ALUMINUM
9/16"	580	400	300	790	900
5/8"	550	365	275	730	825
11/16"	500	330	250	665	750
3/4"	460	300	230	600	690
13/16"	425	280	210	560	635
7/8"	390	260	195	520	585
15/16"	370	245	185	495	555
1"	350	235	175	470	525
1 - 1/16"	325	215	160	435	480
1 - 1/8"	300	200	150	400	450
1 - 3/16"	285	190	145	380	425
1 - 1/4"	275	180	140	360	410
1 - 5/16"	260	175	135	345	390
1 - 3/8"	250	165	125	330	375
1 - 7/16"	240	160	120	315	360
1 - 1/2"	230	150	115	300	345
1 - 9/16"	220	145	110	290	330
1 - 5/8"	210	140	105	280	315
1 - 11/16"	205	135	100	270	305
1 - 3/4"	195	130	95	260	295
1 - 13/16"	190	125	95	250	285
1 - 7/8"	180	120	90	240	270
2"	170	115	85	230	255
2 - 1/16"	165	110	80	220	245
2 - 1/8"	160	105	80	210	240
2 - 1/4"	150	100	75	200	225
2 - 5/16"	145	100	75	195	225
2 - 3/8"	140	95	70	190	220
2 - 1/2"	135	90	65	180	205
2 - 9/16"	130	85	65	175	200
2 - 5/8"	130	85	65	170	195
2 - 3/4"	125	80	60	160	185
2 - 7/8"	120	80	60	160	180
3"	115	75	55	150	170
3 - 1/8"	110	70	55	140	165
3 - 1/4"	105	70	50	140	155
3 - 3/8"	100	65	50	130	150
3 - 1/2"	95	65	45	130	145
3 - 5/8"	95	60	45	120	140
3 - 3/4"	90	60	45	120	135
3 - 7/8"	90	60	45	120	135
4"	85	55	40	110	130
4 - 1/8"	80	55	40	110	120
4 - 1/4"	80	55	40	110	120
4 - 1/2"	75	50	35	100	105
4 - 3/4"	75	50	35	95	95
5"	65	45	30	90	90
5 - 1/2"	60	40	25	85	85
5 - 3/4"	55	35	25	75	75
6"	55	35	25	75	75

## Bi-Metal Hole Saws - Variable Pitch

Part #	Dia. Inches	Dia. MM	PIPE TAP SIZE		PIPE ENT. SIZE		Use Arbor
			Inches	MM	Inches	MM	
275HW0011	9/16"	14.3	3/8"				*
275HW0012	5/8"	15.5					*
275HW0013	11/16"	17.5					*
275HW0014	3/4"	19.0	1/2"	13 mm	3/8"	10 mm	*
275HW0114	20mm	20.0					*
275HW0015	13/16"	20.6					*
275HW0016	7/8"	22.2	3/4"	19 mm	1/2"	13 mm	*
275HW0017	15/16"	23.8					*
275HW0018	1"	25.4					*
275HW0185	1-1/16"	27.0					*
275HW0019	1-1/8"	28.8	1"	25 mm	3/4"	19 mm	*
275HW0020	1-3/16"	30.2					*
275HW0021	1-1/4"	31.8					*
275HW0022	1-5/16"	33.3					*
275HW0023	1-3/8"	34.9			1"	25 mm	*
275HW0123	1-7/16"	36.5					**
275HW0024	1-1/2"	38.1	1-1/4"	32 mm			**
275HW0124	1-9/16"	39.7					**
275HW0025	1-5/8"	41.2					**
275HW0125	1-11/16"	42.9					**
275HW0026	1-3/4"	44.5	1-1/2"	38 mm	1-1/4"	32 mm	**
275HW0226	45mm	45.0					**
275HW0126	1-13/16"	46.0					**
275HW0027	1-7/8"	47.6					**
275HW0127	50mm	50.0					**
275HW0028	2"	50.8			1-1/2"	38 mm	**
275HW0128	2-1/16"	52.4					**
275HW0029	2-1/8"	53.9					**
275HW0129	55mm	55.0					**
275HW0030	2-1/4"	57.2	2"	51 mm			**
275HW0031	2-5/16"	58.7					**
275HW0032	2-3/8"	60.3					**
275HW0033	2-1/2"	63.5			2"	51 mm	**
275HW0034	2-9/16"	65.1					**
275HW0134	2-5/8"	66.7	2-1/2"	64 mm			**
275HW0234	68mm	68.0					**
275HW0334	68.5mm	68.5					**
275HW0135	2-3/4"	69.9					**
275HW0136	2-7/8"	73.0					**
275HW0236	75mm	75.0					**
275HW0035	3"	76.2			2-1/2"	64 mm	**
275HW0137	3-1/8"	79.4					**
275HW0138	3-1/4"	82.6	3"	76 mm			**
275HW0139	3-3/8"	85.7					**
275HW0036	3-1/2"	88.9					**
275HW0140	3-5/8"	92.1			3"	76 mm	**
275HW0141	3-3/4"	95.3	3-1/2"	89 mm			**
275HW0142	3-7/8"	98.4					**
275HW0100	100mm	100.0					**
275HW0037	4"	101.6					**
275HW0143	4-1/8"	104.8			3-1/2"	89 mm	**
275HW0144	4-1/4"	108.0	4"	102 mm			**
275HW0038	4-1/2"	114.3			4"	102 mm	**
275HW0145	4-3/4"	120.7	4-1/2"				**
275HW0039	5"	127.0					**
275HW0040	5-1/2"	139.7					**
275HW0146	5-3/4"	146.0					**
275HW0041	6"	152.4					**



1 HOLE SAW PER BOX.  
ARBOR NOT INCLUDED.

Made In



- ◆ Made In USA
- ◆ Bi-Metal Construction
- ◆ M3 Cutting Edge
- ◆ 5 Variable Pitch. Rc. 63-65
- ◆ Positive Rake
- ◆ 1-15/16" Cutting Depth
- ◆ Premium Quality
- ◆ Cuts Through a 2" x 4"
- ◆ Red Finish



- \* ARB-0, ARB-1 or ARB-2 with (1/2"-20 Thread).
- \*\* ARB-3, ARB-4 or ARB-5 with (5/8"-11 Thread).

These High Quality Bi-Metal Hole Saws are made by a very special process. The cutting edge is electron beam welded to a tough alloy steel back. These hole saws are ideal for work where high performance & accuracy are needed. Saws have knock-out holes for easy core removal.



1 HOLE SAW PER BOX.  
ARBOR NOT INCLUDED.

**Made In**

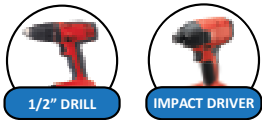


Wood Fiberboard Plastics



Fiberglass Plaster Acoustic Tile

- ◆ Made In USA
- ◆ Tungsten Carbide Teeth
- ◆ Ground & Welded Set Teeth
- ◆ 3 Teeth Per Inch
- ◆ High Wear Resistance
- ◆ 1-15/16" Cutting Depth
- ◆ Premium Quality
- ◆ Black Finish



- \* ARB-0, ARB-1 or ARB-2 with (1/2"-20 Thread).
- \*\* ARB-3, ARB-4 or ARB-5 with (5/8"-11 Thread).

## Carbide Tipped Hole Saws

Part #	Dia.		PIPE TAP SIZE		PIPE ENT. SIZE		Use Arbor
	Inches	MM	Inches	MM	Inches	MM	
AT120034	3/4"	19.0	1/2"	13 mm	3/8"	10 mm	*
AT131316	13/16"	20.6					*
AT140078	7/8"	22.2	3/4"	19 mm	1/2"	13 mm	*
AT151516	15/16"	23.8					*
AT160001	1"	25.4					*
AT171116	1-1/16"	27.0					*
AT180118	1-1/8"	28.8	1"	25 mm	3/4"	19 mm	*
AT191316	1-3/16"	30.2					*
AT200114	1-1/4"	31.8					**
AT211516	1-5/16"	33.3					**
AT220138	1-3/8"	34.9			1"	25 mm	**
AT231716	1-7/16"	36.5					**
AT240112	1-1/2"	38.1	1-1/4"	32 mm			**
AT251916	1-9/16"	39.7					**
AT260158	1-5/8"	41.2					**
AT271116	1-11/16"	42.9					**
AT280134	1-3/4"	44.5	1-1/2"	38 mm	1-1/4"	32 mm	**
AT291316	1-13/16"	46.0					**
AT300178	1-7/8"	47.6					**
AT320002	2"	50.8			1-1/2"	38 mm	**
AT332116	2-1/16"	52.4					**
AT340218	2-1/8"	53.9					**
AT360214	2-1/4"	57.2	2"	51 mm			**
AT372516	2-5/16"	58.7					**
AT380238	2-3/8"	60.3					**
AT400212	2-1/2"	63.5			2"	51 mm	**
AT412916	2-9/16"	65.1					**
AT420258	2-5/8"	66.7	2-1/2"	64 mm			**
AT440234	2-3/4"	69.9					**
AT460278	2-7/8"	73.0					**
AT480003	3"	76.2			2-1/2"	64 mm	**
AT500318	3-1/8"	79.4					**
AT520314	3-1/4"	82.6	3"	76 mm			**
AT540338	3-3/8"	85.7					**
AT560312	3-1/2"	88.9					**
AT580358	3-5/8"	92.1			3"	76 mm	**
AT600334	3-3/4"	95.3	3-1/2"	89 mm			**
AT620378	3-7/8"	98.4					**
AT640004	4"	101.6					**
AT660418	4-1/8"	104.8			3-1/2"	89 mm	**
AT680414	4-1/4"	108.0	4"	102 mm			**
AT700438	4-3/8"	111.0					**
AT720412	4-1/2"	114.3			4"	102 mm	**
AT760434	4-3/4"	120.7					**
AT800005	5"	127.0					**
AT880512	5-1/2"	139.7					**
AT920534	5-3/4"	146.0					**
AT960006	6"	152.4					**

**CARBIDE TIPPED & CARBIDE GRIT RPM CHART**

SIZE	ALUMINUM	PLASTIC	FIBER-GLASS	CERAMIC TILE	PARTICLE BOARD	CAST IRON	FORMICA
3/4"	1700	3430	250	500	3430	410	210
7/8"	1500	2940	210	430	2940	350	180
1"	1300	2570	190	370	2570	310	150
1-1/8"	1100	2290	170	330	2290	270	140
1-3/8"	900	1870	140	270	1870	220	110
1-1/2"	900	1710	120	250	1710	210	100
1-3/4"	700	1470	110	210	1470	180	90
2"	600	1290	90	190	1290	150	80
2-1/4"	600	1140	80	170	1140	140	70
2-1/2"	500	1030	70	150	1030	120	60
3"	400	860	60	120	860	100	50
3-1/4"	400	790	60	110	790	90	50
3-5/8"	400	710	50	100	710	90	40
3-3/4"	300	690	50	100	690	80	40
4-1/8"	300	620	50	90	620	70	40
4-3/4"	300	540	40	80	540	60	30
5"	200	480	40	80	500	60	30
5-1/2"	200	420	40	70	460	50	30
6"	100	360	30	60	420	40	30

These High Quality Carbide Tipped Hole Saws have the highest wear resistance for abrasive materials. They are ideal for work where high performance & accuracy are needed. Saws have knock-out holes for easy core removal.

## Carbide Grit Hole Saws

Part #	Dia. Inches	Dia. MM	PIPE TAP SIZE		PIPE ENT. SIZE		Use Arbor
			Inches	MM	Inches	MM	
CG0012	3/4"	19.0	1/2"	13 mm	3/8"	10 mm	*
CG0013	13/16"	20.6					*
CG0014	7/8"	22.2	3/4"	19 mm	1/2"	13 mm	*
CG0015	15/16"	23.8					*
CG0016	1"	25.4					*
CG0017	1-1/16"	27.0					*
CG0018	1-1/8"	28.8	1"	25 mm	3/4"	19 mm	*
CG0019	1-3/16"	30.2					*
CG0020	1-1/4"	31.8					**
CG0021	1-5/16"	33.3					**
CG0022	1-3/8"	34.9			1"	25 mm	**
CG0023	1-7/16"	36.5					**
CG0024	1-1/2"	38.1	1-1/4"	32 mm			**
CG0025	1-9/16"	39.7					**
CG0026	1-5/8"	41.2					**
CG0027	1-11/16"	42.9					**
CG0028	1-3/4"	44.5	1-1/2"	38 mm	1-1/4"	32 mm	**
CG0029	1-13/16"	46.0					**
CG0030	1-7/8"	47.6					**
CG0032	2"	50.8			1-1/2"	38 mm	**
CG0033	2-1/16"	52.4					**
CG0034	2-1/8"	53.9					**
CG0036	2-1/4"	57.2	2"	51 mm			**
CG0037	2-5/16"	58.7					**
CG0038	2-3/8"	60.3					**
CG0040	2-1/2"	63.5			2"	51 mm	**
CG0041	2-9/16"	65.1					**
CG0042	2-5/8"	66.7	2-1/2"	64 mm			**
CG0044	2-3/4"	69.9					**
CG0046	2-7/8"	73.0					**
CG0048	3"	76.2			2-1/2"	64 mm	**
CG0050	3-1/8"	79.4					**
CG0052	3-1/4"	82.6	3"	76 mm			**
CG0054	3-3/8"	85.7					**
CG0056	3-1/2"	88.9					**
CG0058	3-5/8"	92.1			3"	76 mm	**
CG0060	3-3/4"	95.3	3-1/2"	89 mm			**
CG0062	3-7/8"	98.4					**
CG0064	4"	101.6					**
CG0066	4-1/8"	104.8			3-1/2"	89 mm	**
CG0068	4-1/4"	108.0	4"	102 mm			**
CG0070	4-3/8"	111.0					**
CG0072	4-1/2"	114.3			4"	102 mm	**
CG0076	4-3/4"	120.7					**
CG0080	5"	127.0					**
CG0088	5-1/2"	139.7					**
CG0092	5-3/4"	146.0					**
CG0096	6"	152.4					**

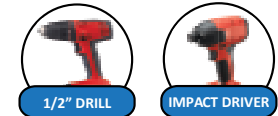


### ARBORS


			Use ARB-0, ARB-1, ARB-2, ARB-3, ARB-4 and ARB-5. With 1/4" HSS Pilot For These Materials.
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			Use ARB-8 or ARB-9. With 1/4" Carbide Pilot For These Materials.
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- ◆ Made In USA
- ◆ Tungsten Carbide Grit
- ◆ Bonded to Alloy Back
- ◆ Gulletted Edge
- ◆ Super Wear Resistance
- ◆ 1-15/16" Cutting Depth
- ◆ Premium Quality
- ◆ Black Finish



\* ARB-0, ARB-1, ARB-2 or ARB-8 with (1/2"-20 Thread).  
 \*\* ARB-3, ARB-4, ARB-5 or ARB-9 with (5/8"-11 Thread).



## CARBIDE GRIT

### RECESSED LIGHTING HOLE SAWS

Part#	Size
CG0104	6-3/8"
CG0110	6-7/8"

These High Quality Carbide Grit Hole Saws are designed for use in hard or abrasive materials such as ceramics, fiberglass, hard woods, cast iron, & composites. They are best suited for thin materials that would strip bi-metal or carbide teeth. Saws have knock-out holes for easy core removal. Use a carbide tipped pilot arbor when drilling ceramics.