

1/4" Pilot Drills

- ◆ Industrial Quality
- ◆ High Speed Steel
- ◆ Designed For Arbors
- ◆ HSS Sold 10/ Pack
- ◆ Carbide Sold Individually



PART #
277PD0014
1/4" HSS PILOT DRILL
3 STEPS



PART #
277PD0016
1/4" HSS PILOT DRILL
3 FLATS



PART #
277PD0018
1/4" HSS PILOT DRILL
1 FLAT



PART #
277PD0020
1/4" CARBIDE PILOT DRILL
2-7/8" LONG 1 FLAT



PART #
277PD0022
1/4" CARBIDE PILOT DRILL
4" LONG 1 FLAT

Extension

PART #
EXT001

12" Arbor
Extension

For 7/16" Hex
Shank Arbors
Only!!!

PART #
EXT002

12" Arbor
Extension

For 3/8" Hex
Shank Arbors
Only!!!



3/8" Hex Shank

Arbor Adapter Nut

PART #
NUT001

Adapter Nut

Turns
1/2"-20
Thread
To 5/8"-18
Thread



Adapter nut allows smaller arbors without pins to fit larger hole saws. Not recommended for use with hole saws larger than 2-1/2".

Will work with any of the following 1/2"-20 threaded arbors:

- ARB-0
- ARB-1
- ARB-2
- ARB-8

Arbors - With Pilot Drills

- ◆ High Quality
- ◆ Sold Individually in White Boxes
- ◆ Includes one 3-Flats HSS Pilot Drill

FOR USE WITH:

- Bi-Metal Hole Saws
- Carbide Tipped Hole Saws
- Carbide Grit Hole Saws

PART #

ARB-0

1/4" 3-FLAT SHANK
ARBOR FOR HOLE SAWS
9/16" - 1-3/16"



1/2"-20 Thread

PART #

ARB-1

1/4" HEX POWER SHANK
ARBOR FOR HOLE SAWS
9/16" - 1-3/16"



1/2"-20 Thread

PART #

ARB-2

3/8" HEX POWER SHANK
ARBOR FOR HOLE SAWS
9/16" - 1-3/16"



1/2"-20 Thread

HSS PILOT
277PD0018

PART #

ARB-3

3/8" HEX POWER SHANK
ARBOR FOR HOLE SAWS
1-1/4" - 6"



5/8"-18 Thread

HSS PILOT
277PD0018

PART #

ARB-4

3/8" HEX POWER SHANK
ARBOR FOR HOLE SAWS
1-1/4" - 6"



5/8"-18 Thread

PART #

ARB-5

7/16" HEX POWER SHANK
ARBOR FOR HOLE SAWS
1-1/4" - 6"



5/8"-18 Thread

HSS PILOT
277PD0018

PART #

ARB-8

3/8" HEX POWER SHANK
ARBOR FOR HOLE SAWS
3/4" - 1-3/16"



1/2"-20 Thread

CARBIDE PILOT
277PD0020

PART #

ARB-9

7/16" HEX POWER SHANK
ARBOR FOR HOLE SAWS
1-1/4" - 6"



5/8"-18 Thread

CARBIDE PILOT
277PD0022



Use Arbors with Carbide Tipped Pilots when drilling with Carbide Tipped Hole Saws & Carbide Grit Hole Saws.



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



**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



BI-METAL

**PART # 275AV04P
PLUMBER'S HOLE SAW KIT**

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



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