

# Hole Saws

## Thick-Cup High-Speed Hole Saws

- Cut accurate holes in machinable material cleanly and efficiently.
- Thick-cup design reduces vibration and chatter.
- For use on wood, plastics, stainless steel, brass, copper, aluminum, steel, and cast-iron pipe.
- One-piece blade with specially hardened teeth.
- Knock-out slots in sides allow easy core removal.
- Saws cut to a depth of 1-1/8" (29 mm).
- Arbors sold separately.



31104

Cat. No.	Saw Diameter	Pipe Tap Size*	Pipe Entr. Size**	For Use with Arbor No.	Weight (lbs.)
31098	5/8" (16 mm)	—	—	31172 or 31160	.10
31100	3/4" (19 mm)	1/2" (13 mm)	3/8" (10 mm)	31172 or 31160	.10
31104	7/8" (22 mm)	3/4" (19 mm)	1/2" (13 mm)	31172 or 31160	.15
31108	1" (25 mm)	—	—	31172 or 31160	.15
31112	1-1/8" (29 mm)	1" (25 mm)	3/4" (19 mm)	31172 or 31160	.15
31114	1-1/4" (32 mm)	—	—	31172 or 31160	.25
31116	1-3/8" (35 mm)	—	1" (25 mm)	31172 or 31160	.25
31120	1-1/2" (38 mm)	1-1/4" (32 mm)	—	31168 or 31164	.15
31122	1-5/8" (41 mm)	—	—	31168 or 31164	.20
31124	1-3/4" (44 mm)	1-1/2" (38 mm)	1-1/4" (32 mm)	31168 or 31164	.20
31128	2" (51 mm)	—	1-1/2" (38 mm)	31168 or 31164	.25
31130	2-1/4" (57 mm)	2" (51 mm)	—	31168 or 31164	.30
31131	2-3/8" (60 mm)	—	—	31168 or 31164	.35
31132	2-1/2" (64 mm)	—	2" (51 mm)	31168	.30
31133	2-5/8" (67 mm)	2-1/2" (64 mm)	—	31168	.45
31134	2-3/4" (70 mm)	—	—	31168	.70
31136	3" (76 mm)	—	2-1/2" (64 mm)	31168	.55
31137	3-1/4" (83 mm)	3" (76 mm)	—	31168	.65
31139	3-1/2" (89 mm)	—	—	31168	.75
31140	3-5/8" (92 mm)	—	3" (76 mm)	31168	.75
31144	4" (102 mm)	—	—	31168	.95
31145	4-1/8" (105 mm)	—	3-1/2" (89 mm)	31168	1.00
31146	4-1/4" (108 mm)	4" (102 mm)	—	31168	.95
31148	4-1/2" (114 mm)	—	4" (102 mm)	31168	1.10
31150	4-3/4" (121 mm)	—	—	31168	1.20
31152	5" (127 mm)	—	—	31168	1.35
31156	6" (152 mm)	—	—	31168	1.90
31186	25/32" (20 mm)	—	—	31160 or 31172	.10

Note: Pipe sizes listed in the "Pipe Tap Size" and "Pipe Entrance Size" columns are standard industry sizes. All pipes are sized by the nominal inside diameter.

\*Pipe Tap Size – The sizes listed provide the necessary information whenever a pipe is to be threaded into tanks, boilers, etc. To secure the best results, the hole should be reamed before tapping with a reamer having a taper of 3/4" per foot.

\*\*Pipe Entrance Size – The sizes listed provide the necessary information for any given pipe size to have sufficient clearance to pass through beams, walls, bulkheads, etc.



All dimensions are in inches and (millimeters) unless otherwise specified.

**▲WARNING:** Never use on or near live electrical circuits.

**▲WARNING:** Always ensure that you and persons in the vicinity wear approved eye protection.