

Hole Cutting Tools



Specifications

- Motor: Universal, 230 V 11 amp, 1.200 W.
- RPM: 360 (no load).
- Hole Cutting Capacity: up to 3" (76 mm).
- Chuck Size: 1/16" (1,6 mm) - 1/2" (13 mm).
- Pipe Diameter Mounting Range: 1 1/2" (38 mm) to 8" (200 mm).
- Weight: 31 lbs. (14 kg).
- Height: 12.8" (32,5 cm).
- Length: 11.9" (30 cm).
- Width: 13.2" (33,5 cm).
- Base and motor can be separated for easy mounting.

Model HC300

The RIDGID Model HC300 Hole Cutting Tool is designed to cut holes up to 3" (76 mm) diameter into steel pipe. The multiple hole size allows the use of fittings such as Mechanical T[™], Vic-O-Let[™], Weld-O-Let[™] and others for branching unpressurized pipelines.

The HC300 features a 1/2" (13 mm) capacity chuck to accommodate all sizes of holes up to 3" (76 mm) diameter and standard hole saw arbors up to 7/16" (11 mm). An integral motor and gear reduction optimizes the performance and saw life in the capacity range. A single-feed handle and ON/OFF switch allows for easy operation. The compact two-piece design allows the HC300 to be used in tight quarters and difficult-to-reach locations.

The Model HC300 offers great features that translate into unparalleled field and shop performance.

- Quick Connecting Two-piece Design. This unique design allows for easy mounting transport and set up. In addition, weighing only 31 lbs. (14 kg), the unit can be broken down into two lighter weight units for maximum transport and operation comfort. This is particularly useful when working off a ladder or overhead.
- Single-hand Chain Latching. The Model HC300 features a patented spring-loaded chain that saves time and significantly aids set up and operation.
- Ergonomic Design. With all controls at the operator's fingertips, the tool has been designed for maximum productivity.
- High Speed. With a powerful 1.200 W, 11 amp motor, the Model HC300 delivers 360 RPM to quickly bore holes while optimizing hole saw life.
- Horizontal and vertical flats to ensure perpendicular cutting.

Standard Equipment

- One Hole Cutting Tool (Base and Motor Assembly).
- One Chuck Key.

Accessories

- Hole Saws.
- R2S Solid Shank Arbor.
- Carrying Case.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
76787	HC300	3" (76 mm) Hole Cutting Tool 230 V, 50/60 Hz	31	14
16671	R2S	Solid Shank Arbor	3/4	0,3
84427	—	HC-450/HC-300 Carrying Case	19	8,6
77017	—	Chuck Key	1/4	0,1

Note: The HC300 is not a hot tapping tool.

Note: Use the R2S Arbor when drilling 1 1/4" (32 mm) and larger holes.



Model HC450

The RIDGID Model HC450 is engineered for continuous 1/4" (6 mm) to 4 3/4" (120 mm) hole cutting in and up to 8" (203 mm) diameter steel unpressurized pipe. The built-in level ensures line up for multiple holes when branching lines using Mechanical T, Vic-O-Let fittings or welded saddles. Dual-side feed handles and switches provide easier operation from any angle. In addition, the HC450's heavy-duty chuck accommodates 1/8" (3 mm) to 5/8" (16 mm) arbors. The HC450 is ideal for mechanical, industrial maintenance and fire protection contractors since it cuts holes into a wide variety of pipe materials. No off-the-shelf drill-based hole cutter compares in performance or durability to the rugged purposed-built Model 450:

- 13 amp 1.800 W worm-gear driven motor delivers unmatched hole cutting power for both thin and thick wall pipes.
- Engineered for 1/4" (6 mm) to 4 3/4" (120 mm) continuous dry or oiled hole cutting.
- Quickly mounts onto 1 1/4" (32 mm) to 8" (200 mm) diameter pipe.
- RPM maximizes holesaw life and does not spray lubricant or chips.
- Only 11 1/2" (29 cm) high for low clearance jobs.
- Dual-side controls provide easy operation.
- GFCI and a built-in breaker for operator protection.
- Chuck accommodates 1/8" (3 mm) to 5/8" (16 mm) arbors.
- Two carrying handles ease mounting and alignment.
- Built-in level for multiple hole alignment.

Standard Equipment

- One Hole Cutting Tool.
- One 5/8" (16 mm) Arbor only for Hole Saws.
- One Chuck Key.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
57597	HC450	4 3/4" (120 mm) Hole Cutting Tool 230 V	42.0	19,0
25668	HC450	4 3/4" (120 mm) Hole Cutting Tool 115 V	42.0	19,0

Note: The HC450 is not a hot tapping tool.

Specifications

- Motor: Universal, 115 V or 230 V, 1.800 W.
- RPM: 110 (no load).
- Hole Cutting Capacity: up to 4 3/4" (120 mm).
- Chuck Size: 1/8" (3 mm) - 5/8" (16 mm).
- Pipe Diameter Mounting Range: 1 1/4" (32 mm) to 8" (200 mm).
- Weight: 42 lbs. (19 kg).
- Height: 11 1/2" (29 cm).
- Length: 17" (43 cm).
- Width: 17" (43 cm).

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
84427	–	HC-450/HC-300 Carry Case	19.0	8,6
59502	R4	5/8" (16 mm) Arbor only for Hole Saws	1/4	0,1
59132	–	Chuck Key	1/4	0,1

Hole Saws



Variable Pitch Hole Saws

Outperform and outlast traditional standard pitch models. Bi-metal construction with teeth made from specially hardened type M3 high speed steel. The varying teeth height and gullet sizes result in much faster cutting and longer life. For wood; mild, stainless steel; cast iron; brass and aluminum. 51 sizes from 14 mm to 152 mm.

Features

- Depth of cut: 1½" (38 mm).
- Bi-metal construction.
- M 3 HSS Cutting edge.
- 3/5 TPI Variable pitch.
- Positive tooth rake.

Use RIDGID Thread Cutting Oil on all metal except cast iron.

Arbor R0 / R1 / R5

Catalog No.	Model No.	Size		Steel RPM	S/Steel RPM	Cast iron RPM	Brass RPM	Aluminium RPM	Std. Pack
		in.	mm						
52755	M14	9/16	14	580	300	400	790	900	1
52760	M16	5/8	16	550	275	365	730	825	1
52765	M17	11/16	17	500	250	330	665	750	1
52770	M19	3/4	19	460	230	300	600	690	1
15561	M20	25/32	20	425	210	280	560	630	1
52775	M21	13/16	21	390	195	260	520	585	1
52780	M22	7/8	22	370	185	245	495	555	1
52785	M24	15/16	24	350	175	235	470	525	1
52790	M25	1	25	325	160	215	435	480	1
52795	M27	1 1/16	27	310	155	210	420	465	1
52800	M29	1 1/8	29	300	150	200	400	450	1
52805	M30	1 1/32	30	285	145	190	280	425	1

Arbor R2 / R2S / R3 / R6 / R7

Catalog No.	Model No.	Size		Steel RPM	S/Steel RPM	Cast iron RPM	Brass RPM	Aluminium RPM	Std. Pack
		in.	mm						
52810	M32	1 1/4	32	275	140	180	360	410	1
52815	M33	1 1/32	33	260	135	175	345	390	1
52820	M35	1 1/8	35	250	125	165	330	375	1
52825	M37	1 15/32	37	240	120	160	315	360	1
52830	M38	1 1/2	38	230	115	150	300	345	1
52835	M40	1 1/16	40	220	110	145	290	330	1
52840	M41	1 5/8	41	210	105	140	280	315	1
52845	M43	1 11/16	43	205	100	135	270	305	1
52850	M44	1 3/4	44	195	95	130	260	295	1
52855	M46	1 13/16	46	190	95	125	250	285	1
52860	M48	1 7/8	48	180	90	120	240	270	1
52865	M51	2	51	170	85	115	230	255	1
52870	M52	2 1/16	52	165	80	110	220	245	1
52875	M54	2 1/8	54	160	80	105	210	240	1
52880	M57	2 1/4	57	150	75	100	200	225	1
52885	M59	2 5/16	59	145	75	100	195	225	1
52890	M60	2 3/8	60	140	70	95	190	220	1
52895	M64	2 1/2	64	135	65	90	180	205	1
52900	M65	2 5/16	65	130	65	85	175	200	1
52905	M67	2 5/8	67	130	65	85	175	200	1
52910	M70	2 3/4	70	125	60	80	160	185	1
52915	M73	2 7/8	73	120	60	80	160	180	1
52920	M76	3	76	115	55	75	150	170	1
52925	M79	3 1/8	79	110	55	70	140	165	1
52930	M83	3 1/4	83	105	50	70	140	155	1
52935	M86	3 3/8	86	100	50	70	130	150	1
52940	M89	3 1/2	89	95	45	65	130	145	1
52945	M92	3 5/8	92	95	45	60	120	140	1
52950	M95	3 3/4	95	90	45	60	120	135	1
52955	M98	3 7/8	98	90	45	60	120	135	1
52960	M102	4	102	85	40	55	110	130	1
52965	M105	4 1/8	105	80	40	55	110	120	1
52970	M108	4 1/4	108	80	40	50	100	120	1
52975	M110	4 3/8	110	80	40	55	100	120	1
52980	M114	4 1/2	114	75	35	50	100	105	1
52985	M121	4 3/4	121	70	35	45	90	95	1
52990	M127	5	127	65	30	40	85	90	1
52995	M140	5 1/2	140	60	30	35	80	85	1
53000	M152	6	152	55	25	35	75	85	1