



CUTTING & DRILLING

- Wide selection from a single source.
- Durable designs.

Type	No. of Models	Nom. Size (in.)	Page
Hole Cutting			
Model HC300	3	Up to 3	6.2
Model HC450	4	Up to 4 ¾	6.3
Hole Saw Arbors	11	Up to 5½	6.4
Hole Saw Kits	3	—	6.4
Hole Saws	51	Up to 6	6.5
Reciprocating Saw Blades	14	3 - 12	6.6
Core Drilling			
Core Drill Bits	26	½ - 14	6.7
Tapping Tools			
RT1000	2	5/8 - 7/8	6.8
RT3422	1	5/8 - 1¾	6.9

Hole Cutting Tools



HC300 HOLE CUTTING TOOL

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. An integral motor and gear reduction optimizes the performance and saw life. A single-feed handle and ON/OFF switch allows for easy operation. 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. 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 1.2 HP, 11 Amp motor, the Model HC300 delivers 360 RPM to quickly bore holes while optimizing hole saw life.
- **Horizontal and Vertical Flats** – Ensures perpendicular cutting.

SPECIFICATIONS

- **Hole Cutting Capacity** – Up to 3" (76 mm)
- **Pipe Diameter Mounting Range** – 1-1/2" (38 mm) to 8" (200 mm)
- **Chuck Size** – 1/16" (1.6 mm) to 1/2" (13 mm)
- **Motor** – Universal, 115V, 60Hz
- **Output Speed** – 360 RPM (no load)
- **Arbor Capacity** – Up to 7/16"
- **Weight** – 31 lb
- **Height** – 12.8"
- **Length** – 11.9"
- **Width** – 13.2"
- **Approved by CSA to CSA and UL standards, 115V**

Catalog No.	Model No.	Description	Weight	
			lb.	kg
76777	HC300	3" Hole Cutting Tool, 115V	31	14
76787		3" Hole Cutting Tool, 230V		
76792	HC300-J	3" Hole Cutting Tool, 100V, 50/60 Hz		

*Note: The HC300 is not a hot tapping tool.
Note: Use the R2S Arbor when drilling 1 1/4" and larger holes.*

Standard Equipment

Catalog No.	Model No.	Description	Weight	
			lb.	kg
77017	-	Chuck Key	1/4	0.1

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
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

Hole Cutting Tools



HC450 HOLE CUTTING TOOL

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. 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.

- Engineered for continuous dry or oiled hole cutting.
- Dual-side controls provide easy operation.
- GFCI and a built-in breaker for operator protection.
- Two carrying handles ease mounting and alignment.
- Built-in level for multiple hole alignment.

SPECIFICATIONS

- Hole Cutting Capacity – Up to 4 3/4" (120 mm) (Sch 10, 40 and 80 Pipe Dia.)
- Pipe Diameter Mounting Range – 1-1/4" to 8"
- Motor – Universal, 115V, 50-60Hz
- Output Speed – 110 RPM (no load)
- Chuck Size – 1/16" - 5/8"
- Arbors – up to 1/8" (3 mm) - 5/8" (16 mm)
- Height – 12 5/8"
- Length – 17"
- Width – 17"
- Approved by CSA to CSA and UL standards, 115V.

Catalog No.	Model No.	Description	Weight	
			lb.	kg
57592	HC450	4 3/4" Hole Cutting Tool, 115V, 50/60 Hz	42	19
57597		4 3/4" Hole Cutting Tool, 230V, 50/60 Hz		

Note: The HC450 is not a hot tapping tool.

Standard Equipment

Catalog No.	Model No.	Description	Weight	
			lb.	kg
59132	-	Chuck Key	19	8.6
59502	-	5/8" Hole Saw Arbor w/ Backing Plate and 1/4" Pilot Drill	-	-

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
84427	-	HC-450/HC-300 Carrying Case	19	8.6
59502	R4	5/8" Arbor only for Hole Saws	1/4	0.1
59132	-	Chuck Key		

Hole Saws



HOLE SAW ARBORS

Hole saw arbors with high-speed pilot drills are built for use with portable drills and drill presses. The saws are quickly replaced without tools and without removing the arbor from the chuck.

Catalog No.	Model No.	Chuck	Fits Saw Nos.	Shank Size		Weight	
				in.	mm	lb.	kg
53065	R0	1/8", 3/8" (6, 10 mm)	M 14 - M 30	1/8	6	1/4	0.1
53070	R1	1/2" (12 mm)	M 14 - M 30	3/8	11		
53075	R2	1/2" (12 mm)	M 32 - M 152	3/8	11	1/2	0.2
16671	R2S	1/2" (12 mm)	M 32 - M 152	3/8	11	3/4	0.3
53080	R3	3/4" (20 mm)	M 32 - M 152	1/2	16	1/2	0.2
59502	R4	5/8" (16 mm)	M 76 - M 152	1/2	16	1/4	0.1
53085	-	Pilot Drill (115 mm)	-	1/8	6, 4		
16276	-	Pilot Drill (75 mm)	-	1/8	6		
81505	D-969	Arbor Extension for R1, R2, R2S and R6	-	1/2	12	1	0.4



HOLE SAW KITS

Plumber's, electrician's and combination kits each contain a selection of RIDGID hole saws and hole saw arbors for cutting through wood, steel, cast iron, brass and aluminum.

1248 PLUMBER KIT (CATALOG #81490) INCLUDES:

- 7/8" (22 mm), 1 1/8" (29 mm), 1 1/2" (38 mm), 1 3/4" (44 mm), 2 1/4" (57 mm), 2 5/8" (67 mm)
- Arbors R25, R5

1249 ELECTRICIAN KIT (CATALOG #81495) INCLUDES:

- 7/8" (22 mm), 1 1/8" (29 mm), 1 3/8" (35 mm), 1 3/4" (44 mm), 2" (51 mm), 2 1/2" (64 mm)
- Arbors R25, R5

1250 COMBINATION KIT (CATALOG #81500) INCLUDES:

- 3/4" (19 mm), 7/8" (22 mm), 1 1/8" (29 mm), 1 3/8" (35 mm), 1 1/2" (38 mm), 1 3/4" (44 mm), 2" (51 mm), 2 1/4" (57 mm), 2 1/2" (64 mm)
- Arbors R25, R5

Catalog No.	Model No.	Description	Weight	
			lb.	kg
81490	1248	Plumber Kit	3 3/8	1.5
81495	1249	Electrician Kit		
81500	1250	Combination Kit	6 1/8	2.8

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, tool and stainless steels; cast iron; brass and aluminum. 51 sizes from 9/16" (14mm) to 6" (152mm).

- Depth of cut: 1 1/2" (38 mm).
- Bi-metal construction.
- M 3 HSS cutting edge.
- 3/5 TPI variable pitch.
- Positive tooth rake.
- NOTE: Use RIDGID® Thread Cutting Oil on all metal except cast iron.

Catalog No.	Model No.	Size		Steel RPMs	S/Steel RPMs	Cast Iron RPMs	Brass RPMs	Aluminum RPMs
		in.	mm					
52755	M14	9/16	14	580	300	400	790	900
52760	M16	5/8	16	550	275	365	730	825
52765	M17	11/16	17	500	250	330	665	750
52770	M19	3/4	19	460	230	300	600	690
15561	M20	25/32	20	425	210	280	560	630
52775	M21	13/16	21	390	195	260	520	585
52780	M22	7/8	22	370	185	245	495	555
52785	M24	15/16	24	350	175	235	470	525
52790	M25	1	25	325	160	215	435	480
52795	M27	1 1/8	27	310	155	210	420	465
52800	M29	1 1/8	29	300	150	200	400	450
52805	M30	1 3/32	30	285	145	190	280	425
52810	M32	1 1/4	32	275	140	180	360	410
52815	M33	1 9/32	33	260	135	175	345	390
52820	M35	1 3/8	35	250	125	165	330	375
52825	M37	1 15/32	37	240	120	160	315	360
52830	M38	1 1/2	38	230	115	150	300	345
52835	M40	1 9/16	40	220	110	145	290	330
52840	M41	1 5/8	41	210	105	140	280	315
52845	M43	1 11/16	43	205	100	135	270	305
52850	M44	1 3/4	44	195	95	130	260	295
52855	M46	1 13/16	46	190	95	125	250	285
52860	M48	1 7/8	48	180	90	120	240	270
52865	M51	2	51	170	85	115	230	255
52870	M52	2 1/16	52	165	80	110	220	245
52875	M54	2 1/8	54	160	80	105	210	240
52880	M57	2 1/4	57	150	75	100	200	225
52885	M59	2 5/16	59	145	75	100	195	225
52890	M60	2 3/8	60	140	70	95	190	220
52895	M64	2 1/2	64	135	65	90	180	205
52900	M65	2 9/16	65	130	65	85	175	200
52905	M67	2 5/8	67	130	65	85	175	200
52910	M70	2 3/4	70	125	60	80	160	185
52915	M73	2 7/8	73	120	60	80	160	180
52920	M76	3	76	115	55	75	150	170
52925	M79	3 1/8	79	110	55	70	140	165
52930	M83	3 1/4	83	105	50	70	140	155
52935	M86	3 3/8	86	100	50	70	130	150
52940	M89	3 1/2	89	95	45	65	130	145
52945	M92	3 5/8	92	95	45	60	120	140
52950	M95	3 3/4	95	90	45	60	120	135
52955	M98	3 7/8	98	90	45	60	120	135
52960	M102	4	102	85	40	55	110	130
52965	M105	4 1/8	105	80	40	55	110	120
52970	M108	4 1/4	108	80	40	50	100	120
52975	M110	4 3/8	110	80	40	55	100	120
52980	M114	4 1/2	114	75	35	50	100	105
52985	M121	4 3/4	121	70	35	45	90	95
52990	M127	5	127	65	30	40	85	90
52995	M140	5 1/2	140	60	30	35	80	85
53000	M152	6	152	55	25	35	75	85

Note: All weights are under 1 1/2 lbs. (0.68 kg).

Reciprocating Saw Blades



RECIPROCATING SAW BLADES

High quality blades for every application. Available in carbon, or bi metal consisting of a high-speed steel cutting edge welded to a flexible alloy steel back for wood or metal cutting. RIDGID® blades will fit in all reciprocating saws and are packed in plastic sleeves with five blades or 50 blades.

Catalog No.	Model No.	Length		Width		Gauge		TPI	Std. Pack	Recommended Use
		in.	mm	in.	mm	in.	mm			
80520	D-988	3	75	5/16	8	0.035		-	5	Scroll cuts in wood and cast aluminum, non-ferrous metals.
80500	D-984	4	100	3/4	20	0.035		-	5	Heavy gauge metals 1/8" thick and above. Barstock and angles.
80480	D-980	4	100	3/4	20	0.035		18	5	Heavy gauge metals of 18 gauge to 1/8" thick conduit, pipe, channels, and tubing.
80485	D-981	4	100	3/4	20	0.035		24	5	Metal cutting 18 gauge and under. Trim, tubing, and galvanized pipe.
56892	D-993	6	150	3/4	20	0.035		10	5	Wood, nail-embedded wood, compositions, plastic, cast aluminum, and non-ferrous metals.
80505	D-985	6	150	3/4	20	0.035	0.9	-	5	Heavy gauge metals 1/8" thick and above. Barstock and angles.
95872	DP-985	6	150	3/4	20	0.035		14	50	Heavy gauge metals 1/8" thick and above. Barstock and angles.
80510	D-986	6	150	3/4	20	0.035		18	5	Heavy gauge metals of 18 gauge to 1/8" thick conduit, pipe, channels, and tubing.
95877	DDP-986	6	150	3/4	20	0.035		18	50	Heavy gauge metals of 18 gauge to 1/8" thick conduit, pipe, channels, and tubing.
80515	D-987	6	150	3/4	20	0.035		24	5	Metal cutting 18 gauge and under. Trim, tubing, and galvanized pipe.
47082	D-989	6	150	3/4	20	0.05	1.3	6	5	General rough-in, all woods, nail embedded woods.
56897	D-994	8	200	3/4	20	0.035	0.9	10	5	All woods, composition, plastic, nail-embedded wood, cast aluminum, light metal.
51022	D-992	9	225	3/4	20	0.05	1.3	6	5	General rough-in, all woods, nail embedded woods.
47087	D-990	12	300	3/4	20	0.05		6	5	General rough-in, all woods, nail embedded woods.

Core Drill Bits



Core Bits High Speed Premium Red

CORE DRILL BITS

All RIDGID® segmented diamond drill bits are laser welded for superior strength. They are three times stronger than conventional brazed bits. RIDGID core bits are available in 2 styles: Premium Red and High Speed Premium Red. Premium Red core bits are heavy-duty, multi-purpose bits for drilling in many types of materials including reinforced concrete, cinder block, stone, etc. High Speed Premium Red core bits are designed for high speed drilling. Unique diamond segment design can increase drilling speed as much as 30% over conventional bits.

Catalog No.	Bit Diameter	Weight	
	in.	lb.	kg
98170	½	1.1	0.5
98185	7⁄8	1.5	0.7
98215	2 ¼	4.25	1.9
98220	2 ½	5	2.3
98225	2 ¾	5.5	
98240	4	8	3.6
98250	5	11.5	5.2
98265	6 ½	15.25	6.9

Note: All Diameters Are Nominal, Core Length is 12".
*Requires Adapter No. 98715.

High Speed Premium Red

Catalog No.	Bit Diameter	Weight	
	in.	lb.	kg
51507	2	4.05	-
51512	2 ½	5	
51522	3 ½	6.5	
51527	4	8	
51537	5	11.5	
51547	8	22	
51557	12	41.25	

Bit Extensions Rods and Adapters

Item No.	Catalog No.	Length	Fits Bit Size	Thread	Weight	
		in.	in.	in.	lb.	kg
0	98690	6	1 - 1 ½	¾ - 11	1 ¼	-
5	98695	12	1 - 1 ½	¾ - 11	2	
1	98700	4	1 ¾	1 ¼ - 7	2 ¼	
2	98705	6	1 ¾	1 ¼ - 7	3 ¼	
3	98710	12	1 ¾	1 ¼ - 7	6 ¼	
7	98720	-	-	-	1 ¼	



Bit Extension Rods & Adapters

Tapping Tools



RT1000 TAPPING TOOL

The Model RT1000 Mini Tapping Tool is ideal for branching pressurized water lines. With 1" tapping capacity and the ability to drill into most pipe materials, the lightweight compact and corrosion-resistant design of the RT1000 is the perfect tool for branching pressurized pipe when system shut down is out of the question.

- Compact and lightweight, the tool is great for tight quarters and awkward locations.
- Sturdy machined construction and corrosion-resistant materials combine to provide dependable lifelong operation.
- Independent cutter feed mechanism gives the operator full control of drilling to optimize cutter performance and service life.
- Taps steel, cast iron, ductile iron and plastic pipe.
- Coupon retaining bits give you the confidence that the coupon will not be dropped in the pipe, preventing medium contamination or possible damage of downstream equipment.

SPECIFICATIONS

- Tapping Capacity – 3/4" - 1"
- Mounting – Saddle, welded nipple, Weld-o-let®, Thread-o-let™
- Activation – Hand ratchet, air ratchet and right angle drill
- Cutter Feed – Rotation of sleeve around an Acme threaded barrel
- Pressure – Water, 200 psig @ 100°F
- Steam, air or natural gas, 100 psig @ 370°F

Cutters

Catalog No.	Model No.	Diameter in.	Type
52760	M16	5/8	Bi-Metal
52780	M22	7/8	
76267		5/8	Steel Shell
76272		7/8	
76292		5/8	CI/DI Bit
76297		7/8	
76317		5/8	Plastic Shell
76322		7/8	

*CI/DI = Cast Iron/Ductile Iron.

Catalog No.	Model No.	Description	Weight	
			lb.	kg
83567	RT1000	RT1000 Tapping Tool CTS Set	16	7.3
83302		RT1000 Tapping Tool Only	6	2.9

Note: CTS = copper Tube Size. NPTM/NPTF = National Pipe Thread Male/Female

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
76022		1 1/16" Ratchet Wrench	2	0.4
83307		RT 1000 Tool Box	7	3
83317		3/4" CTS Adapter	0.3	0.2
83322		1" CTS Adapter		
83337		3/4" NPTM Adapter		
83347		1" NPTM Adapter		
83327		3/4" Mueller® 110 Compression Adapter		
83572		1" Mueller 110 Compression Adapter	0.5	

Standard Equipment

Catalog No. Model No.	Description	83567 RT1000
83317	3/4" CTS Adapter	I
83322	1" CTS Adapter	I
76047	Small Shaft Extension for 5/8" - 1 1/16" Hole Saws	I
76037	Small Arbor for 5/8" - 1 1/16" Hole Saws	I
76027	Coupon Retaining 1/4" Pilot	I
76022	1 1/16" Ratchet Wrench	I
31400	Spud Wrench (2)	I
83307	RT 1000 Tool Box	I

Tapping Tools



RT3422 TAPPING TOOL

The Model RT3422 is designed for branching pressurized water, steam and natural gas mains. With up to 2" capacity, corrosion-proof design, ability to handle most types of material and lightweight, the Model RT3422 is the tool to meet your tapping needs.

- Easy to use. At only 21", this lightweight and compact tool is great for tight quarters and awkward locations.
- Heavy-duty design. Sturdy machined, corrosion-resistant materials for dependable lifelong benefits.
- Built-in bleed valve allows for easy purge of chips.
- Independent cutter feed gives the operator total independent control of the cutter feed rotation for optimal saw life.
- Taps a variety of materials including steel, cast iron, ductile iron and plastic pipe.
- Versatility. The RT3422 is capable of tapping mains of water up to 500 psig and steam, air and natural gas up to 150 psig.
- Coupon retaining bits. Exclusive pilot bits give you the confidence that the coupon will not be dropped in the pipe, preventing medium contamination or possible damage of downstream equipment.

Cutters

Catalog No.	Model No.	Diameter in.	Type
52760	M16	5/8	Bi-Metal
52780	M22	7/8	
52800	M29	1 1/8	
52820	M35	1 3/8	
52850	M44	1 3/4	
76267		5/8	Steel Shell
76272		7/8	
76292		5/8	Cl/DI Bit
76297		7/8	
76317	-	5/8	Plastic Shell
76322		7/8	
76277		1 1/8	Steel Shell
76282		1 3/8	
76287		1 3/4	
76302		1 1/8	Cl/DI Shell
76307		1 3/8	
76312		1 3/4	
76327		1 1/8	Plastic Shell
76332		1 3/8	
76337		1 3/4	

Note: Cutter diameter is 1/8" - 1/4" smaller than the diameter of the hole being cut.

Pilots

Catalog No.	Description
76027	Coupon Retaining 1/4" Pilot
76032	Coupon Retaining 3/8" Pilot

Hole Saw Arbors

Catalog No.	Description
76037	Small Arbor for 5/8" - 1 3/16" Hole Saws
76042	Large Arbor for 1 5/16" - 1 3/4" Hole Saws

Shaft Extensions

Catalog No.	Description
76047	Small Shaft Extension for 5/8" - 1 3/16" Hole Saws
76052	Large Shaft Extension for 1 5/16" - 1 3/4" Hole Saws

SPECIFICATIONS

- Tapping Capacity – 3/4" - 2"
- Mounting – Saddle, welded nipple, Weld-o-let®, Thread-o-let®
- Cutter Travel – 14"
- Activation – Hand ratchet, air ratchet, right angle drill
- Cutter Feed – Rotation of sleeve around an Acme threaded barrel
- Pressure – Water: 500 psig @ 100°F
- Steam, air and natural Gas, 150 psig @ 370°F

Catalog No.	Model No.	Description	Weight	
			lb.	kg
75982		Tapping Machine Only	16	7.3
75992	RT3422	3/4" - 2 NPT Set (Male)	5.3	13.6
91192		3/4" - 2" CTS Set (Flared)	4 4/5	3

Accessories

Catalog No.	Description
76022	1 1/16" Ratchet Wrench
76017	RT 3422 Tool Box

Standard Equipment

Catalog No.	Description	75982	75992	91192
		RT3422	RT3422	RT3422
76022	1 1/16" Ratchet Wrench		I	I
76047	Small Shaft Extension for 5/8" - 1 3/16" Hole Saws		I	I
76037	Small Arbor for 5/8" - 1 3/16" Hole Saws		I	I
76052	Large Shaft Extension for 1 5/16" - 1 3/4" Hole Saws		I	I
76042	Large Arbor for 1 5/16" - 1 3/4" Hole Saws		I	I
34100	Spud Wrench (2)		I	I
76132	NPT 3/4" Male		I	
76137	NPT 1" Male		I	
76142	NPT 1 1/4" Male		I	
76147	NPT 1 1/2" Male		I	
76152	NPT 2" Male		I	
76057	CTS 3/4" Female Valve Adapter			I
76067	CTS 1" Female Valve Adapter			I
76072	CTS 1 1/4" Female Valve Adapter			I
76077	CTS 1 1/2" Female Valve Adapter			I
76082	CTS 2" Female Valve Adapter			I
76027	Coupon Retaining 1/4" Pilot		I	I
76032	Coupon Retaining 3/8" Pilot		I	I

Valve Adapters

Catalog No.	Description
76057	CTS 3/4" Female Adapter
76067	CTS 1" Female Adapter
76072	CTS 1 1/4" Female Adapter
76077	CTS 1 1/2" Female Adapter
76082	CTS 2" Female Adapter
76132	NPT 3/4" Male
76137	NPT 1" Male
76142	NPT 1 1/4" Male
76147	NPT 1 1/2" Male
76152	NPT 2" Male
83997	3/4" Mueller 110
84002	1" Mueller 110
84007	1 1/2" Mueller 110
84012	2" Mueller 110

NPT Sets available only with steel, male valve adapters.