

# POWER TOOLS



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# POWER TOOLS

## Hydraulic pipe benders



### Hydraulic Pipe Benders

For bending 3/8" to 4" metal pipe and tubing. Available with open, tip-up or sliding wing heads in either manual or electric powered versions providing piston forces from 50 kN (5,000 kg) to 200 kN (20,000 kg). Benders feature a single circuit hydraulic system with spring return which enables the ram to be advanced in controlled stages permitting easy and precise bending of the pipes and fast withdrawal of the piston. Special safety system protects the hydraulic circuit from over-pressurization and consequent damage in all electric powered versions.

Supplied in a wooden case and delivered with a set of bending formers to accommodate different pipe sizes. Optional accessories include a tripod, attachments for 180° bends, special formers for a wide range of pipes, and a special attachment for 180° bends in flat bars. To maintain proper operation, use RIDGID hydraulic fluid.

### Manually Operated Hydraulic Benders

Catalog No.	Model No.	Type	Capacity	Pump Force kN	Weight kg
13701	3801	Open wing head	3/8 - 1 1/4"	50	56
13671	3811	Tip-up wing head	3/8 - 1 1/4"	50	46
16401	3811S	Sliding wing head	3/8 - 1 1/4"	50	46
13711	3802	Open wing head	3/8 - 2"	80	98
13681	3812	Tip-up wing head	3/8 - 2"	80	82
16411	3812S	Sliding wing head	3/8 - 2"	80	73
13691	3813	Tip-up wing head	3/8 - 2"	130	182
14921	3814*	Tip-up wing head	3/8 - 2"	200	410

### Capacity

Nominal diameter	Max. Wall Thickness
3/8" - 1 1/4"	4 mm
1 1/2" - 2 1/2"	4.5 mm
3"	5 mm
4"	5.5 mm

### Electric Motor Operated Hydraulic Benders

Catalog No.	Model No.	Type	Capacity	Pump Force kN	Motor Power kW	Std. Voltage 50 Hz	Weight kg
13721	3801E	Open wing head	3/8 - 1 1/4"	50	1,1	230 1PH	76
13731	3801E	Open wing head	3/8 - 1 1/4"	50	1,1	400 3PH	76
13741	3802E	Open wing head	3/8 - 2"	80	1,4	230 1PH	115
13751	3802E	Open wing head	3/8 - 2"	80	1,5	400 3PH	115
14871	3812E	Tip-up wing head	3/8 - 2"	80	1,4	115 1PH	100
13761	3812E	Tip-up wing head	3/8 - 2"	80	1,4	230 1PH	100
13771	3812E	Tip-up wing head	3/8 - 2"	80	1,5	400 3PH	100
14881	3813E	Tip-up wing head	3/8 - 3"	130	1,4	115 1PH	208
15001	3813E	Tip-up wing head	3/8 - 3"	130	1,4	230 1PH	208
13781	3813E	Tip-up wing head	3/8 - 3"	130	1,5	400 3PH	208
14931	3814E*	Tip-up wing head	3/8 - 4"	200	1,4	230 1PH	440
14941	3814E*	Tip-up wing head	3/8 - 4"	200	1,5	400 3PH	440

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## Formers

Cat. No.	Description	Wt. kg	Std. Pack
Gas and steam pipe formers - 90 Deg.			
28286	1/4" - 60MM	1,50	1
28296	5/8" - 60MM	1,52	1
21806	3/8" - 45MM	0,80	1
21816	1/2" - 50MM	1,00	1
21826	3/4" - 65MM	2,50	1
21836	1" - 100MM	2,00	1
21846	1 1/4" - 130MM	2,50	1
21856	1 1/2" - 160MM	5,50	1
21866	2" - 220MM	7,90	1
21876	2 1/2" - 320MM	22,00	1
21886	3" - 380MM	33,00	1
28756	4" - 600MM	109,00	1
Boiler pipe formers - 90 Deg.			
27816	18 MM - 60 MM	1,50	1
27826	20 MM - 70 MM	2,00	1
27836	22 MM - 80 MM	3,50	1
22116	25 MM - 115 MM	3,50	1
22126	30 MM - 140 MM	4,00	1
22136	32 MM - 140 MM	3,50	1
22146	38 MM - 170 MM	5,00	1
22156	44.5 MM - 190 MM	6,50	1
22166	48.3 MM - 220 MM	8,50	1
22176	51 MM - 250 MM	9,00	1
22186	57 MM - 250 MM	11,00	1
22196	60.3 MM - 270 MM	13,50	1
22206	63.5 MM - 270 MM	12,50	1
22216	70 MM - 315 MM	20,50	1
22226	76 MM - 420 MM	30,50	1
Construction pipe formers - 90 Deg.			
22236	1/2" - 110MM	3,00	1
22246	3/4" - 137MM	4,00	1
22256	1" - 190MM	3,00	1
22266	1 1/4" - 220MM	9,00	1
Plastic coated pipe formers - 90 Deg.			
22276	3/8" - 110MM	2,50	1
22286	1/2" - 110MM	2,50	1
22296	3/4" - 137MM	3,00	1
22306	1" - 140MM	3,50	1
22316	1 1/4" - 170MM	4,00	1
22326	1 1/2" - 220MM	7,00	1
22336	2" - 270MM	13,00	1
Gas and steam pipe formers - 180 Deg.			
22346	Hairpin bend F/3812	17,00	1
22356	Hairpin bend F/3813	17,00	1
22366	Hairpin bend F/3802	17,00	1
22376	3/8" - 130MM	13,00	1
22386	1/2" - 130MM	13,00	1
22396	3/4" - 130MM	12,50	1
22406	1" - 130MM	12,00	1
22416	1 1/4" - 130MM	11,50	1
22426	1 1/2" - 140MM	14,00	1
28766	2" - 190MM	22,40	1
Flat bars 40 x 8MM. formers - 180 Deg.			
22436	Attachment F/3812	3,00	1
22446	Attachment F/3802	2,50	1
22456	Attachment F/3813	3,50	1
22466	Former - R60	2,00	1
22476	Former - R70	2,50	1
22486	Former - R80	3,00	1
22496	Former - R90	4,00	1
22506	Former - R100	4,00	1
22516	Former - R110	5,50	1
22526	Former - R120	6,00	1
22536	Former - R130	7,00	1

Cat. No.	Description	Wt. kg	Std. Pack
Stroke adjustments			
26896	For 3801E/3811E 230V	4,50	1
26906	For 3801E/3811E 400V	4,50	1
26916	For 3802E/3812E/3813E 230V	4,50	1
26926	For 3802E/3812E/3813E 400V	3,49	1
29126	For 3814E 230V	4,56	1
29116	For 3814E 400V	4,56	1
Corner supports - fixing pins			
21966	For 3811	3,00	1
21976	For 3801	1,50	1
21986	For 3812	3,26	1
21996	For 3802	5,50	1
22006	For 3813	10,00	1
28776	For 3814E/2"	5,50	1
28786	For 3814E/4"	19,00	1
22016	Fixing pin F/3811	0,50	1
22026	Fixing pin F/3801	1,00	1
22036	Fixing pin F/3812	0,44	1
22046	Fixing pin F/3802	2,00	1
22056	Fixing pin F/3813	0,50	1
Bending frames			
27846	For 3811	6,50	1
28796	For 3801	14,65	1
28806	For 3812	13,00	1
28816	For 3802	29,50	1
28826	For 3813	36,50	1
28836	For 3814	124,00	1
Wooden cases			
28846	For 3801/3811	10,60	1
28856	For 3802/3812	13,60	1
28866	For 3813	21,00	1
28876	For 3801E/3802E/3812E	18,00	1
28886	For 3813E	29,00	1
28896	For 3814E	65,00	1
Other accessories			
14031	Turnable tripod	7,50	1
14061	2,5 ltr oil for benders	2,50	1
21896	Straightener	1,50	1
27696	Extension for 3"	1,50	1



# POWER TOOLS

## 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 steel ; cast iron ; brass and aluminum. 51 sizes from 9/16" (14 mm) to 6" (152 mm).

Depth of cut : 1 1/8" (28 mm)

Use RIDGID thread cutting oil on all metal except cast iron.

Catalog No.	Model No.	Saw size and Hole diameter		Nominal pipe sizes (in.)		Nominal pipe sizes (mm)	
		in.	mm	Tap drill Size	Body drill size	Tap drill Size	Body drill size
52755	M-14	9/16	14	-	-	-	-
52760	M-16	5/8	16	-	-	-	-
52765	M-17	11/16	17	-	-	-	-
52770	M-19	3/4	19	-	3/8	-	10
15561	M-20	-	20	-	-	-	-
52775	M-21	13/16	21	-	-	-	-
52780	M-22	7/8	22	3/4	1/2	20	12
52785	M-24	15/16	24	-	-	-	-
52790	M-25	1	25	-	-	-	-
52795	M-27	1 1/16	27	-	-	-	-
52800	M-29	1 1/8	29	1	3/4	25	20
52805	M-30	1 3/16	30	-	-	-	-
52810	M-32	1 1/4	32	-	-	-	-
52815	M-33	1 5/16	33	-	-	-	-
52820	M-35	1 3/8	35	-	1	-	25
52825	M-37	1 7/16	37	-	-	-	-
52830	M-38	1 1/2	38	1 1/4	-	32	-
52835	M-40	1 9/16	40	-	-	-	-
52840	M-41	1 5/8	41	-	-	-	-
52845	M-43	1 11/16	43	-	-	-	-
52850	M-44	1 3/4	44	1 1/2	1 1/4	40	32
52855	M-46	1 13/16	46	-	-	-	-
52860	M-48	1 7/8	48	-	-	-	-
52865	M-51	2	51	-	1 1/2	-	40
52870	M-52	2 1/16	52	-	-	-	-
52875	M-54	2 1/8	54	-	-	-	-
52880	M-57	2 1/4	57	2	-	50	-
52885	M-59	2 5/16	59	-	-	-	-
52890	M-60	2 3/8	60	-	-	-	-
52895	M-64	2 1/2	64	-	2	-	50
52900	M-65	2 9/16	65	-	-	-	-
52905	M-67	2 5/8	67	-	-	-	-
52910	M-70	2 3/4	70	-	-	-	-
52915	M-73	2 7/8	73	-	-	-	-
52920	M-76	3	76	-	2 1/2	-	64
52925	M-79	3 1/8	79	-	-	-	-
52930	M-83	3 1/4	83	3	-	75	-
52935	M-86	3 3/8	86	-	-	-	-
52940	M-89	3 1/2	89	-	-	-	-
52945	M-92	3 5/8	92	-	3	-	75
52950	M-95	3 3/4	95	3 1/2	-	90	-
52955	M-98	3 7/8	98	-	-	-	-
52960	M-102	4	102	-	-	-	-
52965	M-105	4 1/8	105	-	3 1/2	-	90
52970	M-108	4 1/4	108	-	-	-	-
52975	M-110	4 3/8	111	-	-	-	-
52980	M-114	4 1/2	114	-	4	-	-
52985	M-121	4 3/4	121	-	-	-	-
52990	M-127	5	127	-	-	-	-
52995	M-140	5 1/2	140	-	-	-	-
53000	M-152	6	152	-	-	-	-

Note : all weights are under 0,68 kg.



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## 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 with tools and without removing the arbor from the chuck.

Drills :

4 1/2" x 1/4" (115 x 6,4 mm) Cat. No. 53085  
 3" x 1/4" (75 x 6,4 mm) Cat. No. 16276

12" (300 mm) Arbor Extension for R1, R2 :  
 Cat. No. 81505

\* Also available with solid shank (Model R2S Cat. No. 16671).

\*\* For light use only (wood, plaster, etc...)

Catalog No.	Model No.	For chuck size	Fits saw Nos.	Follows through	Shank size
53065	R0	1/4", 3/8" 6, 10 mm	M-14 - M-30	M-21 - M-30	1/4" (6 mm) round
53070	R1	1/2" 12 mm	M-14 - M-30	M-21 - M-30	7/16" (11 mm) Hex
53075	R2*	1/2" 12 mm	M-32 - M-152	M-38 - M-152	7/16" (11 mm) Hex
53080	R3	3/4" 20 mm	M-32 - M-152	M-38 - M-152	5/8" (16 mm) Hex
59502	R4	5/8" 16 mm	M-76 - M-152	M-76 - M-152	5/8" (16 mm) Hex
16286	R5	3/8" 10 mm	M-14 - M-30	M-14 - M-30	11/32" (9 mm) Hex
16296	R6	1/2" 12 mm	M-32 - M-38	M-32 - M-38	7/16" (11 mm) Hex
53090	R7**	3/8" 10 mm	M-32 - M-152	M-38 - M-152	3/8" (10 mm) Hex

## Hole saw arbors 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.



Catalog No.	Model No.	Description	3/4"	7/8"	1 1/8"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 5/8"	Arbors			Weight kg
			19 mm	22 mm	29 mm	35 mm	38 mm	44 mm	51 mm	57 mm	64 mm	67 mm	R0	R1	R2	
81490	1248	Plumber's kit		x	x		x	x		x		x		x	x	1,5
81495	1249	Electrician's kit		x	x	x		x	x		x			x	x	1,5
81500	1250	Combination kit	x	x	x	x	x	x	x	x	x		x	x	x	2,8