

## RIDGID® Hydraulic Benders



Model HBO382E

Manual and electro-hydraulic benders for precision cold bending of standard gas pipes up to 4". Versatile, portable benders, ideal for on-site bending as well as machine construction, boiler making and industrial applications in general.

Available with open, tip-up or sliding wing, providing piston forces between 50 kN and 200 kN.

- Single circuit hydraulic system with return spring for better control of the ram and precise bending.
- Pressure relief valve protects the hydraulic system from over-pressurisation (electric models only).
- Supplied in a wooden case and delivered with a set of bending formers for standard gas pipe applications and corner supports.
- A wide range of accessories is available to cater for special bending applications.

## Open Wing Benders

For better overview of the bending process and superior accessibility.



Model HBO382

Catalog No.	Model No.	Capacity in.	Pump Force kN	Volt	Motor	Kw	Formers										Weight	
							3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	lb.	kg
<b>Manually operated</b>																		
13701	3801	3/8 - 1 1/4	50	—		—	•	•	•	•	•	—	—	—	—	—	123.5	56
42468	HBO382	3/8 - 2	90	—		—	•	•	•	•	•	•	—	—	—	—	194	88
<b>Electro-hydraulic</b>																		
13721	3801E	3/8 - 1 1/4	50	230 V	1 PH	1,4	•	•	•	•	•	—	—	—	—	—	167.5	76
13731	3801E	3/8 - 1 1/4	50	400 V	3 PH	1,4	•	•	•	•	•	—	—	—	—	—	167.5	76
42473	HBO382E	3/8 - 2	90	230 V	1 PH	1,4	•	•	•	•	•	•	—	—	—	—	244.7	111
13751	3802E	3/8 - 2	80	400 V	3 PH	1,5	•	•	•	•	•	•	—	—	—	—	253.5	115

# BENDING & FORMING

## Tip-Up Wing Benders

- Offers the added advantage of extra rigidity during the bending process.
- Ideal for on-site applications.



Catalog No.	Model No.	Capacity in.	Pump Force kN	Volt	Motor	Kw	Formers										Weight	
							3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	lb.	kg
<b>Manually operated</b>																		
40383	HB382	3/8 - 1 1/4	90	—	—	—	•	•	•	•	•	—	—	—	—	—	134.5	61
36518	HB382	3/8 - 2	90	—	—	—	•	•	•	•	•	•	—	—	—	—	158.7	72
36523	HB383	3/8 - 3	146	—	—	—	•	•	•	•	•	•	•	•	—	—	344.0	156
14921	3814	3/8 - 4	200	—	—	—	—	—	—	—	—	•	•	•	•	•	904.0	410
27911	3814	3/8 - 4	200	—	—	—	•	•	•	•	•	•	•	•	•	•	926.0	420
<b>Electro-hydraulic</b>																		
14871	3812E	3/8 - 2	80	115	1 PH	1,4	•	•	•	•	•	•	•	—	—	—	220.4	100
39243	HB382E	3/8 - 2	90	230	1 PH	1,4	•	•	•	•	•	•	•	—	—	—	211.6	96
13771	3812E	3/8 - 2	80	400	3 PH	1,5	•	•	•	•	•	•	•	—	—	—	220.4	100
14881	3813E	3/8 - 3	130	115	1 PH	1,4	•	•	•	•	•	•	•	•	•	—	458.5	208
39268	HB383E	3/8 - 3	146	230	1 PH	1,4	•	•	•	•	•	•	•	•	•	—	401.2	182
13781	3813E	3/8 - 3	130	400	3 PH	1,5	•	•	•	•	•	•	•	•	•	—	458.5	208
14931	3814E	3/8 - 4	200	230	1 PH	1,4	—	—	—	—	—	—	•	•	•	•	970.0	440
14941	3814E	3/8 - 4	200	400	3 PH	1,5	—	—	—	—	—	—	•	•	•	•	970.0	440

## Sliding Wing Benders

Used for bending multiple bends in different angles.



Catalog No.	Model No.	Capacity in.	Pump Force kN	Formers										Weight			
				3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	lb.	kg		
16401	3811S	3/8 - 1 1/4	50	•	•	•	•	•	—	—	—	—	—	—	—	101.4	46
16411	3812S	3/8 - 2	80	•	•	•	•	•	•	•	•	—	—	—	—	176.3	80

## Wing Bender Formers

Formers for Standard Gas Pipe to EN 10255  
(DIN 2440, BS 1387)



Catalog No.	Description	Size		Radius mm	Weight	
		in.	metric (O.D.)		lb.	kg
37218	Former for Gas Pipe	¼	13,5	60	2.2	1,0
37223	Former for Gas Pipe	⅜	17,2	45	1.8	0,8
37228	Former for Gas Pipe	½	21,3	50	2.4	1,1
37233	Former for Gas Pipe	¾	26,9	80	4.0	1,8
37238	Former for Gas Pipe	1	33,7	110	4.0	1,8
37243	Former for Gas Pipe	1¼	42,4	135	4.6	2,1
37248	Former for Gas Pipe	1½	48,3	155	9.5	4,3
37253	Former for Gas Pipe	2	60,3	220	14.4	6,5
37258	Former for Gas Pipe	2½	76,1	320	38.5	17,5
37263	Former for Gas Pipe	3	88,9	390	59.5	27,2
28756	Former for Gas Pipe	4	114,3	600	220	100

Formers for Plastic Coated Pipe to EN 10255  
(DIN 2440, BS 1387)



Catalog No.	Description	Size		Radius mm	Weight	
		in.	metric (O.D.)		lb.	kg
22276	Former for Plastic Coated Pipe	⅜	17,2	110	—	—
22286	Former for Plastic Coated Pipe	½	21,3	110	—	—
22296	Former for Plastic Coated Pipe	¾	26,9	137	—	—
22306	Former for Plastic Coated Pipe	1	33,7	140	—	—
22316	Former for Plastic Coated Pipe	1¼	42,4	170	—	—
22326	Former for Plastic Coated Pipe	1½	48,3	220	—	—
22336	Former for Plastic Coated Pipe	2	60,3	270	—	—

Note: For bending 2" plastic coated pipes, 3" capacity hydraulic benders must be used.

Metric Formers for Standard Tube & Pipe to  
EN 10255 (DIN 2440, BS 1387)



Catalog No.	Description	Size		Radius mm	Weight	
		in.	metric (O.D.)		lb.	kg
27816	Former for Standard Tube & Pipe	—	18,0	60	—	—
27826	Former for Standard Tube & Pipe	—	20,0	70	—	—
27836	Former for Standard Tube & Pipe	—	22,0	80	—	—
22116	Former for Standard Tube & Pipe	—	25,0	115	—	—
35066	Former for Standard Tube & Pipe	—	28,0	70	—	—
22126	Former for Standard Tube & Pipe	—	30,0	140	—	—
22136	Former for Standard Tube & Pipe	—	32,0	140	—	—
35076	Former for Standard Tube & Pipe	—	35,0	100	—	—
22146	Former for Standard Tube & Pipe	—	38,0	170	—	—
35086	Former for Standard Tube & Pipe	—	40,0	125	—	—
35096	Former for Standard Tube & Pipe	—	42,0	125	—	—
22156	Former for Standard Tube & Pipe	—	44,5	190	—	—
35106	Former for Standard Tube & Pipe	—	50,0	140	—	—
22176	Former for Standard Tube & Pipe	—	51,0	220	—	—
22186	Former for Standard Tube & Pipe	—	57,0	250	—	—
22206	Former for Standard Tube & Pipe	—	63,6	270	—	—
22216	Former for Standard Tube & Pipe	—	70,0	315	—	—