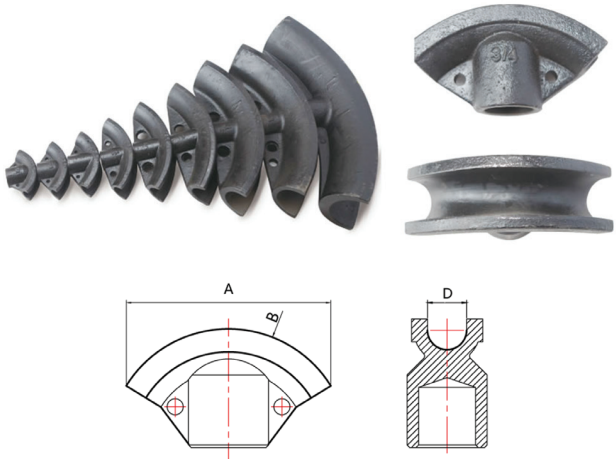


MANUAL HYDRAULIC PIPE BENDING MACHINE



Manual Hydraulic Pipe Bending Machine (13–20 Ton Ram Output)

RAM OUTPUT	13 to 20 tons
TYPE	Manual hydraulic pipe bending machine
BENDING CAPACITY	Pipes from ½" to 4" diameter
OPERATION	Hand-operated hydraulic system
CONSTRUCTION	Heavy-duty steel frame with precision-machined bending dies



FEATURES:

- High-force hydraulic ram ensures **smooth and accurate** bending of pipes and tubes
- Manual operation allows controlled bending without the need for electrical power
- Supplied with interchangeable bending dies to suit different pipe diameters
- Compact, robust design suitable for workshop and site use
- Simple maintenance and long service life

APPLICATIONS:

Ideal for **plumbing, fabrication, structural works, maintenance, and industrial piping applications** requiring accurate cold bending of steel, MS, GI, and similar pipes.

TECHNICAL SPECIFICATIONS

Model	Hydraulic Ram Output (Ton)	Ram Stroke (mm)	Bending range (O.D.) (mm)	Bending shoes (inch)	Packing Size (cm)	Wt. (Approx) (Kg)
HHW-2J	13	250	Ø21.3-Ø60	1/2" 3/4" 1" 1¼" 1½" 2"	73×32×20	48.2
HHW-3J	20	290	Ø21.3-Ø88.5	1/2" 3/4" 1" 1¼" 1½" 2" 2½" 3"	94×40×21	100.5
HHW-4J	20	370	Ø21.3-Ø108	1/2" 3/4" 1" 1¼" 1½" 2" 2½" 3" 4"	118×46×25	156.8

Bending Shoe (inch)	A (mm)	B (mm)	Min Bend Radius (mm)	D (mm)	Pipe Schedule	Wall Thickness (mm)
1/4"	61	44.0	38.0	13.5	40	2.0
5/16"	75	55.0	48.0	16.5	40	2.0
3/8"	106	63.0	50.0	18.0	40	2.3
1/2"	115	67.5	59.2	22.0	40	2.8
1/2"	115	67.5	59.2	22.0	80	3.7
3/4"	131	84.5	66.0	28.0	40	2.9
3/4"	131	84.5	66.0	28.0	80	3.9
1"	147	96.5	75.4	34.0	40	3.4
1"	147	96.5	75.4	34.0	80	4.5
1¼"	195	134.0	108.7	43.0	40	3.6
1½"	242	162.0	133.5	50.0	40	3.7
2"	297	238.0	199.2	62.0	40	3.9
2½"	368	257.0	209.0	79.0	40	5.2
3"	436	390.0	335.0	90.0	40	5.5
4"	535	458.0	460.0	110.0	40	6.0

ESSENTIAL OPERATING GUIDELINES:

1. Select the **correct bending die and former** for the pipe diameter before operation.
2. Ensure the pipe is **properly aligned and securely** seated in the bending supports.
3. Operate the hydraulic pump **smoothly and gradually**, avoiding sudden pressure buildup.
4. Do not exceed the **rated ram output or bending capacity** and release pressure fully after use.