

MARUTI  
**HYDRAULIC**



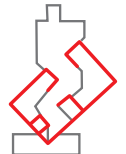
**Manufacturer & Exporter**

Hydraulic/Pneumatic/Mechanical Power Press, Shearing, Press Brake, Hydraulic Presses, Cross Shaft Press & all type of sheet metal machineries

## HYDRAULIC PRESS BRAKE

**MARUTI** Hydraulic Press Brakes are designed and developed through years of experience in sheet metal working machineries. **MARUTI** Hydraulic Press Brakes are developed by keeping latest technology in mind. Both cylinders are mounted at back side of Press Brake and are synchronized for parallelism between ram and table, by providing mechanical links connected with cylinder. The heavy duty steel construction frame is so designed to absorb heavy shocks of overload. All welding edges are properly machined for best weld joints. The electric control panel is fixed on side wall at conventional place for easy reach of operator. It includes push button pendant and foot switch. Standard "V" Block and "V" Punch and manually operated back gauge system which is front operated are supplied as a standard accessories. Hydraulic components are of reputed make like Yuken, Polyhydron, Prism, Rexroth, Dowty etc.

| Model     | Tonnage | Bending Cap. (In M.S., U.T.S. 45Kg / mm <sup>2</sup> ) |           | Table Length | Table Width | Clear Pass | Ram Stroke | Open Height | Throat Depth | Speed Approach Pressing Return | Power H.P. | Over all Dimensions (L x W x H) | Approx. Weight kgs. |
|-----------|---------|--|-----------|--------------|-------------|------------|------------|-------------|--------------|--------------------------------|------------|---------------------------------|---------------------|
| MHPB 215  | 20      | 1.6 x 1500   | 2 x 1250  | 1500         | 140         | 1250       | 100        | 280         | 200          | 35-8-50                        | 3          | 1800 x 1500 x 2000              | 1500                |
| MHPB 320  | 30      | 2 x 2000   | 3 x 1250  | 2000         | 140         | 1500       | 100        | 280         | 200          | 30-7-45                        | 3          | 2300 x 1600 x 2000              | 2500                |
| MHPB 425  | 40      | 2 x 2500   | 3 x 1500  | 2500         | 170         | 2000       | 100        | 280         | 200          | 32-7-54                        | 5          | 2700 x 1850 x 2050              | 3000                |
| MHPB 515  | 50      | 4 x 1500   | 5 x 1250  | 1500         | 170         | 1000       | 100        | 280         | 200          | 30-7-50                        | 5          | 1800 x 1500 x 2000              | 2500                |
| MHPB 520  | 50      | 3 x 2000   | 4 x 1500  | 2000         | 170         | 1500       | 100        | 280         | 200          | 30-7-50                        | 5          | 2300 x 1900 x 2200              | 3400                |
| MHPB 525  | 50      | 2.5 x 2500   | 3 x 2000  | 2500         | 170         | 2000       | 100        | 280         | 200          | 30-7-50                        | 5          | 2850 x 1900 x 2200              | 3700                |
| MHPB 625  | 65      | 3 x 2500   | 4 x 2000  | 2500         | 180         | 2000       | 150        | 330         | 200          | 28-7-47                        | 5          | 2850 x 1950 x 2350              | 3900                |
| MHPB 630  | 65      | 2.5 x 3000   | 3 x 2500  | 3000         | 180         | 2500       | 150        | 330         | 200          | 28-7-47                        | 5          | 3350 x 1950 x 2350              | 4300                |
| MHPB 825  | 80      | 4 x 2500   | 5 x 2000  | 2500         | 180         | 2000       | 150        | 350         | 200          | 35-7-45                        | 7.5        | 2850 x 2100 x 2350              | 4500                |
| MHPB 830  | 80      | 3 x 3000   | 4 x 2500  | 3000         | 180         | 2500       | 150        | 350         | 200          | 35-7-45                        | 7.5        | 3350 x 2100 x 2350              | 5000                |
| MHPB 1025 | 100     | 5 x 2500   | 6 x 2000  | 2500         | 180         | 2000       | 150        | 350         | 200          | 39-6-39                        | 10         | 2900 x 2200 x 2350              | 5600                |
| MHPB 1030 | 100     | 4 x 3000   | 5 x 2500  | 3000         | 180         | 2500       | 150        | 350         | 200          | 39-6-39                        | 10         | 3400 x 2200 x 2350              | 6200                |
| MHPB 1040 | 100     | 3 x 4000   | 4 x 3000  | 4000         | 180         | 3000       | 150        | 350         | 200          | 39-6-39                        | 10         | 4250 x 2200 x 2350              | 7000                |
| MHPB 1225 | 125     | 6 x 2500   | 8 x 2000  | 2500         | 220         | 2000       | 150        | 350         | 300          | 39-5-40                        | 10         | 2750 x 2450 x 2600              | 6500                |
| MHPB 1230 | 125     | 5 x 3000   | 6 x 2500  | 3000         | 220         | 2500       | 150        | 350         | 300          | 39-5-40                        | 10         | 3400 x 2450 x 2600              | 7000                |
| MHPB 1240 | 125     | 4 x 4000   | 5 x 3000  | 4000         | 220         | 3000       | 150        | 350         | 300          | 39-5-40                        | 10         | 4150 x 2450 x 2650              | 8800                |
| MHPB 1625 | 160     | 8 x 2500   | 10 x 2000 | 2500         | 250         | 2000       | 150        | 350         | 300          | 36-5-32                        | 15         | 2750 x 2500 x 2600              | 8200                |
| MHPB 1630 | 160     | 6 x 3000   | 8 x 2500  | 3000         | 250         | 2500       | 150        | 350         | 300          | 36-5-32                        | 15         | 3400 x 2500 x 2600              | 8800                |
| MHPB 1640 | 160     | 5 x 4000   | 6 x 3000  | 4000         | 250         | 3000       | 150        | 350         | 300          | 36-5-32                        | 15         | 4200 x 2500 x 2700              | 9800                |
| MHPB 2025 | 200     | 10 x 2500  | 12 x 2000 | 2500         | 250         | 2000       | 200        | 410         | 300          | 37-6-39                        | 20         | 2850 x 2650 x 2700              | 8500                |
| MHPB 2030 | 200     | 8 x 3000   | 10 x 2500 | 3000         | 250         | 2500       | 200        | 410         | 300          | 37-6-39                        | 20         | 3450 x 2650 x 2700              | 9500                |
| MHPB 2040 | 200     | 6 x 4000   | 8 x 3000  | 4000         | 250         | 3000       | 200        | 410         | 300          | 37-6-39                        | 20         | 4200 x 2650 x 2800              | 10500               |
| MHPB 2530 | 250     | 10 x 3000  | 12 x 2500 | 3000         | 300         | 2500       | 200        | 410         | 300          | 35-6-35                        | 25         | 3350 x 2650 x 2800              | 12000               |
| MHPB 2540 | 250     | 8 x 4000   | 10 x 3000 | 4000         | 300         | 3000       | 200        | 410         | 300          | 35-6-35                        | 25         | 4350 x 2650 x 2800              | 13500               |
| MHPB 3030 | 300     | 12 x 3000  | 15 x 2500 | 3000         | 300         | 2500       | 200        | 410         | 300          | 35-6-36                        | 30         | 3450 x 2750 x 2800              | 12000               |
| MHPB 3040 | 300     | 10 x 4000  | 12 x 3000 | 4000         | 300         | 3000       | 200        | 410         | 300          | 35-6-36                        | 30         | 4250 x 2750 x 2900              | 15000               |
| MHPB 4030 | 400     | 16 x 3000  | 20 x 2500 | 3000         | 300         | 2500       | 250        | 500         | 300          | 32-5-32                        | 40         | 3350 x 2900 x 3000              | 17000               |
| MHPB 4040 | 400     | 12 x 4000  | 16 x 3000 | 4000         | 300         | 3000       | 250        | 500         | 300          | 32-5-32                        | 40         | 4300 x 2900 x 3000              | 18000               |



Capacities rated for M.S. (U.T.S. 45kg/mm<sup>2</sup>Yield 28kg/mm<sup>2</sup>). Bending capacities stated are only representative and not binding. Allow extra capacity for material inconsistencies, bending conditions. Right to change specification, features without notice reserved. Compliance with safety requirements as per local regulations is responsibility of the user.

### STANDARD FEATURE

Electric Motor, Control panel with Selection of INCH-ONCE-AUTO Mode of operation. Foot switch, Fine stroke adjustment rod with limit switches, Manual Lubrication, Manual Back Gauge, Standard V Block Punch, Instruction Manual.

### OPTIONS

Goose Neck punch & other tooling (Drawing required), Electronic Stroke Counter, NC/CNC Operated Back Gauge, Automatic Lubrication System, DRO for back gauge.

- All Dimensions are in mm
- Power supply 400/440 volts. 3 Phase, 50 Cycle.
- As day to day Improvements are contemplated for better performance of the machine.

We reserve the rights to alter the specifications without prior notice.

- All the machines undergo a through check-up by our expert engineers dispatch to ensure their smooth and trouble free operation.

| BENDING FORCE CHART |  | CAPACITY BASED ON AIR BENDING MILD STEEL (U.T.S. 45 kg/mm <sup>2</sup> )  |  |
|---------------------|--|---|--|
| V                   | 4 6 8 10 12 16 20 24 32 40 48 64 80 96 120 150 180 200 250 300       |   |  |
| H                   | 3 4 6 7 6.5 11.5 14.5 17 23 29 34 46 57 68 85 110 130 145 180 215    | <p>S= Sheet Thickness Mm<br/>R= Inside Radius Of Bend Mm<br/>H=Min. Height Of Edge Mm<br/>V=Vee/Die. Opening Mm</p>   |  |
| R                   | 0.6 1.1 1.3 1.6 2 2.7 3.3 4 5.3 6.7 8 10.5 13.5 16 20 25 30 33 42 50 | <p>For M.S. Plates<br/>S&lt;12, min. V=8&lt;S<br/>S≥12, min. V=10&lt;S</p>  |  |
| S                   | 0.5 4 3 2  | <p>Higher tensile steels:<br/>V=10-12&lt;S</p>  |  |
| 0.8                 | 16 6 6.5 5 4   | <p>Bending pressures for other materials:<br/>Stainless steel-160% of M.S.<br/>Soft brass-50%, Soft Aluminium-50% of M.S.<br/>Heat treated Al Alloys-same as M.S.</p> |  |
| 1                   | 19 14 8 6 5  | <p>Values are only representative and varies or different bending conditions</p>  |  |
| 1.2                 | 14 12 10 5 6   |   |  |
| 1.5                 | 19 16 12 6 7   |   |  |
| 2                   | 38 26 22 16 12 10  |   |  |
| 2.5                 | 37 26 20 17 12   |   |  |
| 3                   | 55 36 28 24 17 14 11   |   |  |
| 4                   | 74 56 44 32 25 20 16   |   |  |
| 5                   | 75 50 40 33 24 19  |   |  |
| 6                   | 77 57 48 35 27 23  |   |  |
| 8                   | 112 86 64 50 41 33   |   |  |
| 10                  | 150 100 80 60 51 43  |   |  |
| 12                  | 155 105 96 77 62 51  |   |  |
| 15                  | 150 100 120 95 50 72   |   |  |
| 18                  | 200 150 128 107 96 77  |   |  |
| 20                  | 250 200 170 150 120 100  |   |  |
| 25                  | 296 250 220 178 150  |   |  |



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