

MT-PBR SERIES

Cap 20 T to 400 T

Length 1500 to 6000 mm

HYDRAULIC PRESS BRAKES

Design Features

- ◆ Mono Block Welded Steel Frame ultra tested-2062 steel plates rigid to provide Accurate bending.
- ◆ All pivots have hardened of ground pin bushes of five piece guide slide lubricated by central hand pump.
- ◆ Repetitive accuracy is within + 0.03 mm Ram travel parallelism with out using sensitive & complex servo Hydraulics.
- ◆ Most reliable hyd. components & sealing for international reputed design for 350 bar against operating pressure of 160 bar maximum.
- ◆ Three cycles operation Inch, Single cycle & Auto for greater operator convenience.
- ◆ Three speed operation reduces ideal travel time which improves productivity.
- ◆ Bending force easily adjustable from front for forgue tools of bending soft material.
- ◆ Moveable operator console is provided with switches for cycle selection, ram up-down travel, emergency stop & motor on/off.
- ◆ Manual backstop with micro adjustable swing stop facilitate reverse bend.
- ◆ Electrical panels & components are provided as per international reputed brands.
- ◆ Precisely designed manufacture cylinders provide unlimited trouble free life.
- ◆ Seals can be changed quickly without dismantling the ram or need of crane.



Model	Tonnage	Table Length	Bending Capacity (In MS, UTS 45kg/mm ²)		Table Width	Clear mm	Ram Stroke	Open Height	Throat Depth	Approach Pressing Return Speed	Power HP	Packing Dimension (L x W x H) mm	Approx Weight Kg
MT-PBR215	20	1500	1.6x1500	2x1250	150	1050	100	250	100	35-9-35	2	1700x1050x1900	1500
MT-PBR320	30	2000	2x2000	3x1250	150	1550	100	250	200	30-7-30	3	2200x1150x1900	2500
MT-PBR425	40	2500	2x2500	3x1500	150	2050	100	250	200	40-6-40	3	2700x1150x1900	3000
MT-PBR515	60	1500	4x1500	5x1250	190	1050	100	250	200	35-7-35	5	1700x1050x1900	2500
MT-PBR520	60	2000	3x2000	4x1500	190	1550	100	250	200	35-7-35	5	2200x1050x1900	3200
MT-PBR525	60	2500	2.5x2500	3x2000	190	2050	100	250	200	35-7-35	5	2700x1050x1900	3500
MT-PBR625	65	2500	3x2500	4x2000	190	2050	150	330	200	30-5-30	5	2700x1200x2000	3700
MT-PBR630	65	3050	2.5x3000	3x2500	190	2550	150	330	200	30-5-30	5	3360x1200x2000	4300
MT-PBR825	80	2500	4x2500	6x2000	190	2050	150	330	200	38-6-45	7.5	2700x1560x2300	4500
MT-PBR830	80	3050	3x3000	4x2500	190	2550	150	330	200	38-6-45	7.5	3350x1550x2300	5000
MT-PBR1025	100	2500	5x2500	6x2000	190	2050	150	330	200	38-6-45	7.5	2700x1500x2300	5400
MT-PBR1030	100	3050	4x3000	6x2500	190	2550	150	330	200	38-6-45	7.5	3350x1550x2300	6200
MT-PBR1040	100	4050	3x4000	4x3000	190	3250	150	330	200	38-6-45	7.5	4250x1550x2300	7000
MT-PBR1225	125	2500	6x2500	8x2000	250	2150	150	350	300	38-5-40	10	2750x1630x2500	6500
MT-PBR1230	125	3050	5x3000	6x2500	250	2650	150	350	300	38-5-40	10	3350x1650x2600	7000
MT-PBR1240	125	4030	4x4000	5x3000	250	3250	150	350	300	38-5-40	10	4200x1650x2500	8300
MT-PBR1625	160	2500	8x2500	10x2000	230	2150	150	350	300	35-6-40	15	2750x1800x2600	6200
MT-PBR1630	160	3050	6x3000	8x2500	230	2650	150	350	300	35-6-40	15	3350x1800x2600	6800
MT-PBR1640	160	4050	5x4000	6x3000	230	3250	150	350	300	35-6-40	15	4350x2050x2750	9500
MT-PBR2025	200	2500	10x2500	12x2000	230	2150	200	400	300	35-7-35	20	2850x2050x2750	9500
MT-PBR2030	200	3050	8x3000	10x2500	230	2650	200	400	300	35-7-35	20	3350x2050x2750	10500
MT-PBR2040	200	4050	6x4000	8x3000	230	3250	200	400	300	35-7-35	20	4350x2050x2750	12500
MT-PBR2530	250	3050	10x3000	12x2500	300	2650	200	400	300	35-6-40	25	3350x2100x2500	12000
MT-PBR2540	250	4050	8x4000	10x3000	300	3250	200	400	300	35-6-40	25	4350x2100x2500	13500
MT-PBR3030	300	3050	12x3000	15x2500	300	2650	200	400	300	30-6-35	30	3350x2150x2900	12000
MT-PBR3040	300	4050	10x4000	12x3000	300	3250	200	400	300	30-6-35	30	4350x2150x2900	15000
MT-PBR4030	400	3050	15x3000	20x2500	300	2650	250	500	350	30-6-35	40	3350x2200x3000	18000
MT-PBR4040	400	4050	12x4000	16x3000	300	3250	250	500	350	30-6-35	40	4350x2200x3000	19500

Standard Feature Accessories

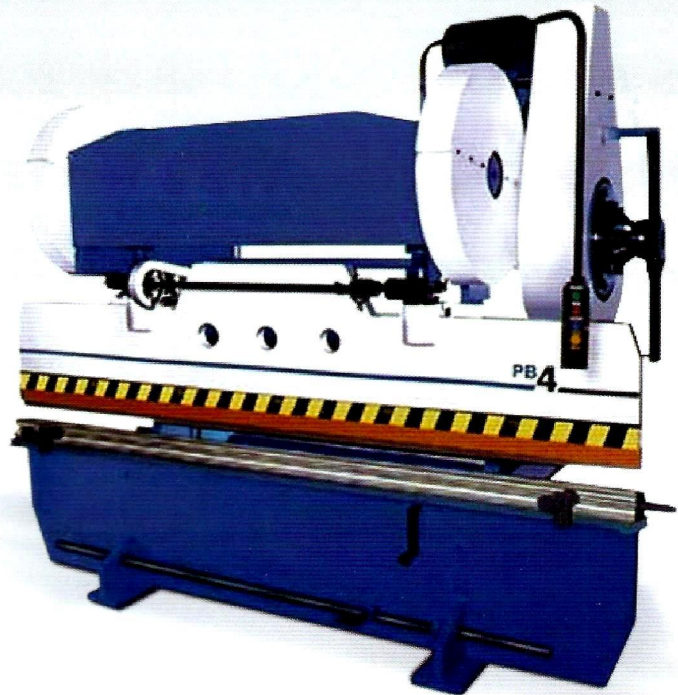
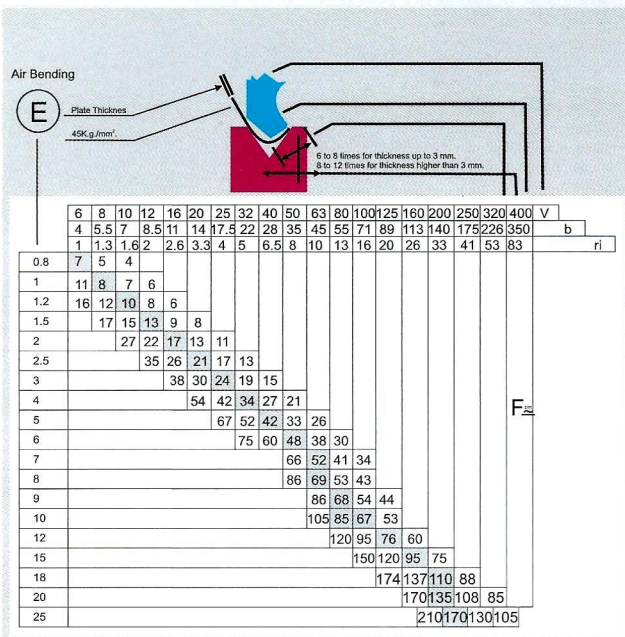
- Main drive standard make motor.
- Electrical control panel with three speed inch, single cycle, Auto mode of operation.
- Two front sheet supports.
- Manual back gauge with micro-adjustment swing stoppers pair of lifting chains.
- Fine stroke adjustment rod with limit switches.
- One suitable 5 way dye and blade (Segmented or full length, EN-9, not covered under warranty)
- Movable console with emergency stop
- Tonnage indicating -adjustment device.
- Manual centralized lubrication system with hand pump.
- Bending chart.

Optional Accessories

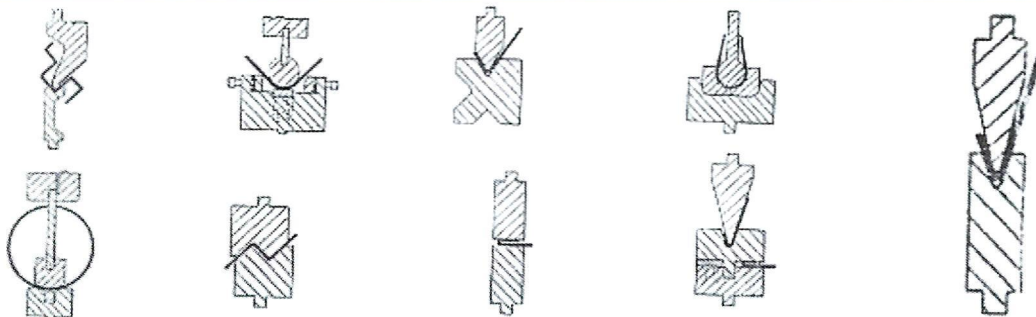
- NC Back Gauge.
- Motorized Back Gauge with DRO.
- Extra Finger for Standard Back gauge.
- Automatic Lubrication System.
- Extra Depth of throat.
- Manual Ram tilting arrangement.

MECHANICAL PRESS BRAKES

PRESS BRAKE BENDING CHART



SEVERAL TYPES OF DYES USED ON PRESS BRAKES FOR FORMING ANGLES



TECHNICAL DATA	Model	MMPB-1	MMPB-2	MMPB-3	MMPB-4	MMPB-5	MMPB-6
Capacity	Tones	25	40	80	120	160	200
Overall dye Space (Length X Width)	mm	1750X80	2000X100	3050X120	3050X160	3200X160	3200X160
Clear distance between housing	mm	1330	1525	1982	2600	2600	2600
Bending capacity between housing	mm	2.5X1330	3X1525	6X1800	6X2550	8X2550	10X2550
Strokes/minimum	-	40	40	35	30	30	25
Standard stroke	mm	63	63	70	80	80	100
Ram adjustment	mm	50	60	76	125	125	125
		(manual)	(manual)	(motorised)	(motorised)	(motorised)	(motorised)
Shut height(Ram down adj. up)	mm	200	200	305	315	350	400
Depth of throat	mm	200	200	213	250	250	315
Clutch type			Mechanical friction clutch			Pneumatic clutch	
Flywheel energy	mkg	1250	1250	5000	6500	12500	20000
Motor main	HP/rpm	5/1440	5/1440	10/1440	15/1440	25/1440	30/1440
Motor (Ram adj.)	-	-	-	2/960	2/960	3/960	3/960
Net Weight (App.)	Kg	2750	3500	7500	11000	16000	18000

Metal Working Machines, Hydraulic Machines, Material Handling Equipments.
 S-16, South Side, G.T. Road Indl. Area, Ghaziabad-201009 (U.P)
 Ph.: 0120 - 4246515, Telefax: 0120-2841916 Fax: 91 -11-22023661
 Mob.: +91 -9350040636, 9313429290
 Email : monotech@nsenergygroups.com, info@nsenergygroups.com
 URL: www.monotechengineers.com | www.monotechengineers.com