

Right Choice for Heavy Duty Bending



**HIND HYDRAULICS**  
MANUFACTURE WITH CONFIDENCE



# Company Profile

**H**ind Hydraulics & Engineers was founded in 1973 with a commitment for manufacturing, supply & exports of wide range of Servo Hydraulic Presses, Servo Electrical Presses, Mechanical Presses, Pneumatic Presses, CNC Press Brakes & Shears, Hot Moulding Presses & Rubber Machinery, Refractory Presses, Automation & Robotics, Special Purpose Machines (SPM's), Tools, Dies, Jigs, Fixtures and Moulds for the fast growing industry.

Hind is driven by its inhibited and strong R&D culture. We have worked on the most challenging projects and taken up the responsibility to make them successful without a slight compromise. We have developed presses and plants as an import substitute. Today, After four decades of experience in building processes, our in-house 3D simulation, designs and manufacturing processes have proven to deliver highly productive machines with maximum efficiency and safe working conditions.

## Our Production Programme :

### SERVO PRESSES

Servo Hydraulic Presses  
Servo Electric Presses  
Servo Mechanical Presses

### HYDRAULIC PRESSES

Up to 40000 Ton

### MECHANICAL PRESSES

Up to 2500 Ton

### PRESS AUTOMATION

Robots, Pneumatic  
Pick&Place, Conveyor  
Systems

### PRESS TOOLS

Dies, Jigs, Fixtures and Moulds

### INDUSTRIAL LASER

Laser Cutting, Laser Marking  
Laser Welding

### PRESS RECONDITIONING & MODERNIZATION

All activities including  
Mechanical, Electrical &  
Hydraulic

### Our Customers



### Our Technology Partner



### Certification



# CNC HYDRAULIC PRESS BRAKE

**H**IND Hydraulics press brakes are made of high strength quality steel and have a rigid structure that is tension relieved with the state of art technology. Thus, they are ensured to have long life. Its endurance against heavy conditions is ensured by means of hardened and ground dies that perform precision bending. While our press brakes are user friendly with both the standard and the optional hardware features, it brings profit to your investment with the power it gives to your business in economic terms.

The press brakes produced by our expert engineers by use of high technology have been contributing to high-quality and efficient production for years all over the world. While we offer customized solutions to our customers and we are making production more flexible and efficient, and offering the most cost optimized solutions. Thus, we pride ourself on contributing to the smart production processes in the fourth industrial revolution.

## STANDARD SCOPE OF SUPPLY:

- 10.4 inch colour graphic LCD display.
- CNC Controller : Model Delem's Da 52s.
- 3 axes Cnc Controlled: X, Y1 & Y2 with Manual Crowning & Bumping.
- AC Servo driven Backgauge fingers( 2 nos) with Heidenhain LM Guideways on X axis.
- Y1+Y2 axis synchronization with a tolerance of 0.01 mm provided by linear scales.
- Manual Screw type R-axis.
- Quick clamping System for Punch and Rail Die.
- European Standard top Tooling.
- Front supporting Swing Arm (Two Nos) to minimize the space.

## OPTIONAL EQUIPMENT:

- Expendable up to 4,5 & 6 axis CNC Controlled.
- CNC Controller : DELEM Model Da 53T, Da 56s, Da 66T, and Da 69T.
- CNC controlled Motorized Crowning system (Anti-Deflection system)
- High Speed Backgauge ( R & Z Axis)
- Laser safety for operator Protection.

## Highlights

- ⇒ Upto 50% Energy Consumption
- ⇒ Strong Rigid Structure
- ⇒ Faster Cycle Time
- ⇒ Approx 30% Higher Productivity
- ⇒ Low Investment Cost
- ⇒ Low Operational And Maintenance Cost
- ⇒ Precise Bending
- ⇒ Ultimate Operator Safety
- ⇒ Low Noise Level

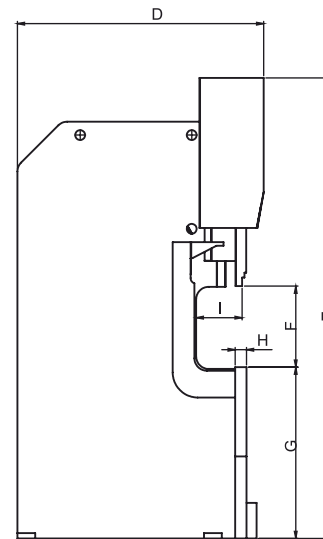
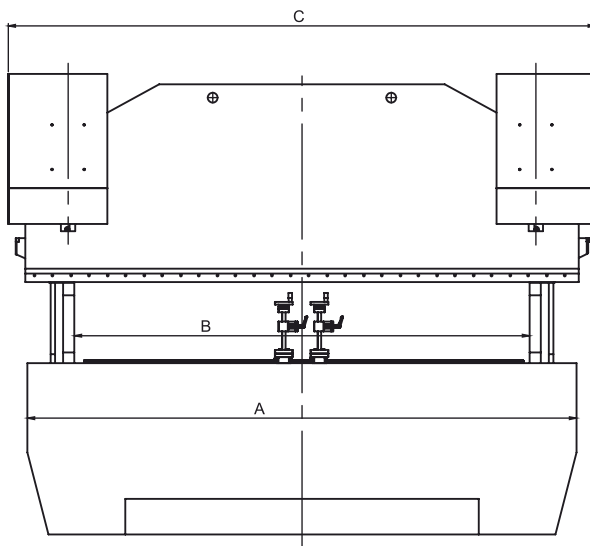


Manufacture with Confidence

# Technical Specification of HHP Press Brakes

Model	HHP-50	HHP-80	HHP-110			HHP-150			HHP-200			HHP-260			HHP-340				HHP-450				HHP-650			HHP-800			HHP-1000		
Capacity (KN)	500	800	1100			1500			2000			2600			3400				4500				6500			8000			10000		
Max. Bending Length (mm)	A	1500	2550	3100	4300	5200	3100	4300	5200	3100	4300	5200	3100	4300	5200	3100	4300	5200	6200	4300	5200	6200	7200	5200	6200	7200	5200	6200			
Distance between Housing (mm)	B	1250	2050	2500	3100	4300	2500	3100	4300	2500	3100	4300	2500	3100	4300	2500	3100	4300	5100	3100	4300	5100	6100	4300	5100	6100	4300	5100			
Max. Machine Length (mm)	C	1900	2800	3400	4500	5320	3700	4500	5320	3700	4700	5320	3700	4500	5500	3500	4500	5500	6450	4500	5320	6320	5320	6320	7250	5320	6320	7250	5320		
Front to Back (mm)	D	1200	1400	1400			1500			1800			1950		2400		2200	2075	2400		2500		2750	2950	3100	3400	3100	3250	3600	3200	3650
Total Height (mm)	E	2200	2400	2500	2950		2575	3020	2850	3050	3100	3350	3050	3080	3700	3200	3150	3700	3900	3500	3800	3900	3730	4125	4500	3740	4300	4650	4200	4500	
Max. Daylight (mm)	F	315	375	375			400			475			500		500		550		550		625		625		625		625		625		
Working Height (mm)	G	900	900	1000			900			900			900		900		900		900		900		900		900		900		900		
Bed Width (mm)	H	60	170	170			170			250			250		250	300			300		400		400		400		400		400		
Throat (mm)	I	250	250	250			300			300			300		350		350		400		400		400		400		400		400		
Power (KW)		5.5	7.5	7.5			11			15			18.5		30		30		30		37		45		45		55		55		
Number of Cylinders		2	2	2			2			2			2		2		2		2		2		2		2		2		2		
Stroke Length Adjustment (mm/sec)		150	150	150			175			225			250		250		300		300		325		325		325		325		325		
Lowering Speed (mm/sec)		100	100	100			100			70			70		60	50			50		50		50		50		50		50		
Pressing Speed (mm/sec)		10	10	7.5			7.5			8			8		8		7		7		6		6		5.5		5.5		6		
Return Speed (mm/sec)		60	80	60			70			50			90		80	80	80	50	50		40		40		40		40		40		
Weight (Kgs)		2900	6300	8200	10500	12500	10000	12000	19000	13000	15000	21000	18500	22000	27000	22500	26500	31000	34500	32500	42000	51000	50000	56000	61000	58000	67000	74000	65000	77000	

Note: Design and technical specifications may change due to technical alteration/upgradation.



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