HYDRABEND

‘A’ Series Press Brakes



Model A 100/31/31
Bending Capacity 3m x 5mm Mild Steel.

Model A 150/37/31
Bending Capacity 3.7m x 6.35mm Mild Steel



HYDRABEND

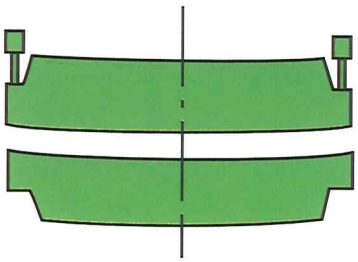
'A' SERIES PRESS BRAKES

Press Brake Bend Characteristics

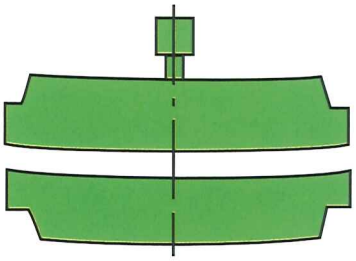
The deflection characteristics of a conventional press brake, with the cylinders at each end, cause the workpiece to be bent to the correct angle at each end and insufficiently bent at the centre. This is due to the unavoidable deflection in both worktable and moving top beam under load.

In the 'Hydrabend' A Series Press Brake, because the cylinders are over the top beam and the bottoming stops which limit downward movement are located outboard of the cylinders, the top beam deflection matches the deflection of the bottom beam and thus they remain parallel under load. The bend angle of the workpiece is then accurate along its length.

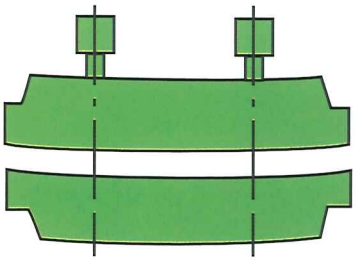
The top and bottom Beams of all makes of press brakes deflect under load but the 'hydrabend' A Series compensates for this deflection.



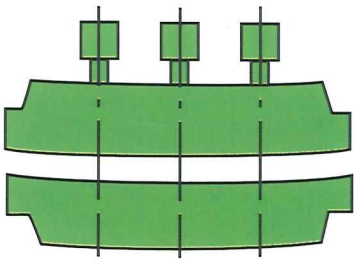
Conventional press brake with cylinders at each end.



40 Tonne



80-100 Tonne



120-150 Tonne

'HYDRABEND' 'A' Series Press Brakes

Specification Chart

Model	Rated Tonnage	Working Length	Distance Between Side Frames	Throat Depth	Shut Height Stroke			Speeds mm/s			Motor	Basic Dimensions		
					Min	Max	Max	Approach	Press	Up		Length	Width	Height
		mm	mm	mm	mm	mm					kW	mm	mm	mm
A 40/25/25 S A 40/25/25	40	2524 2524	2590 2590	- 200	170 170	270 270	100 100	35 35	16 16	28 28	4.0 4.0	2700 2700	750 900	2100 2100
A 80/31/25 A 80/37/31	80	3100 3700	2500 3100	250 250	180 180	330 330	150 150	23 23	15 15	40 40	7.5 7.5	3200 3800	1100 1100	2600 2700
A 100/31/25 A 100/37/31	100	3100 3700	2500 3100	250 250	180 180	330 330	150 150	27 27	14 14	28 28	9 9	3200 3800	1150 1150	2600 2700
A 120/31/25 A 120/37/31	120	3100 3700	2500 3100	250 250	180 180	330 330	150 150	30 30	9 9	45 45	7.5 7.5	3200 3800	1400 1400	2770 2770
A 150/31/25 A 150/37/31	150	3100 3100	2500 3100	250 250	180 180	330 330	150 150	27 27	9 9	55 55	9 9	3200 3800	1450 1450	2770 2770

We reserve the right to change specifications without notice.

Standard Equipment

High speed approach
Full length top tool
Full length multi-groove die block.
Four work rests.
Two work stops.
Four die block clamps.
Die block lifting links.
Full tank hydraulic oil.

Optional Equipment

Foot pedal 'inch up' control.
Sectioned top tool.
Two axis C.N.C. Controller with back gauge (80T to 150T only).
Single Axis C.N.C. Controller back gauge.
Throat depths 300mm, 450mm or 600mm.