

The Winning Force

**DURMA**

# HRB SERIES

## Plate Roll Bending



# MRB & MRB-S SERIES

## Motorised Plate Roll Bending



- Strong
- Precise
- Efficient
- Fast
- High Repeatability



# **DURMA** The Winning Force




As a total supplier for sheet metal manufacturing with almost 60 years of experience, Durma understands and recognizes the challenges, requirements and expectations of the industry. We strive to satisfy the ever higher demands of our customers by continuously improving our products and processes while researching and implementing the latest technologies.

In our three production plants with a total of 150.000 m<sup>2</sup>, we dedicate 1,000 employees to delivering high quality manufacturing solutions at the best performance-to-price ratio in the market.

From the innovations developed at our Research & Development Center to the technical support given by our worldwide distributors, we all have one common mission: to be your preferred partner.

Present Durmazlar machines with **DURMA** name to the world.



	<b>1</b> High technology, modern production lines	
<b>2</b> Top quality components		<b>3</b> High quality machines designed in R&D Centre



# HRB-4 Series Plate Rolls

“Fast, Accurate and Easy to Operate”

Four plate rolls are more precise, productive, versatile, faster, safer and easier to operate than three roll machines. They are less dependent on operator competence. Ideal for bending plates up to 8 inch thick.

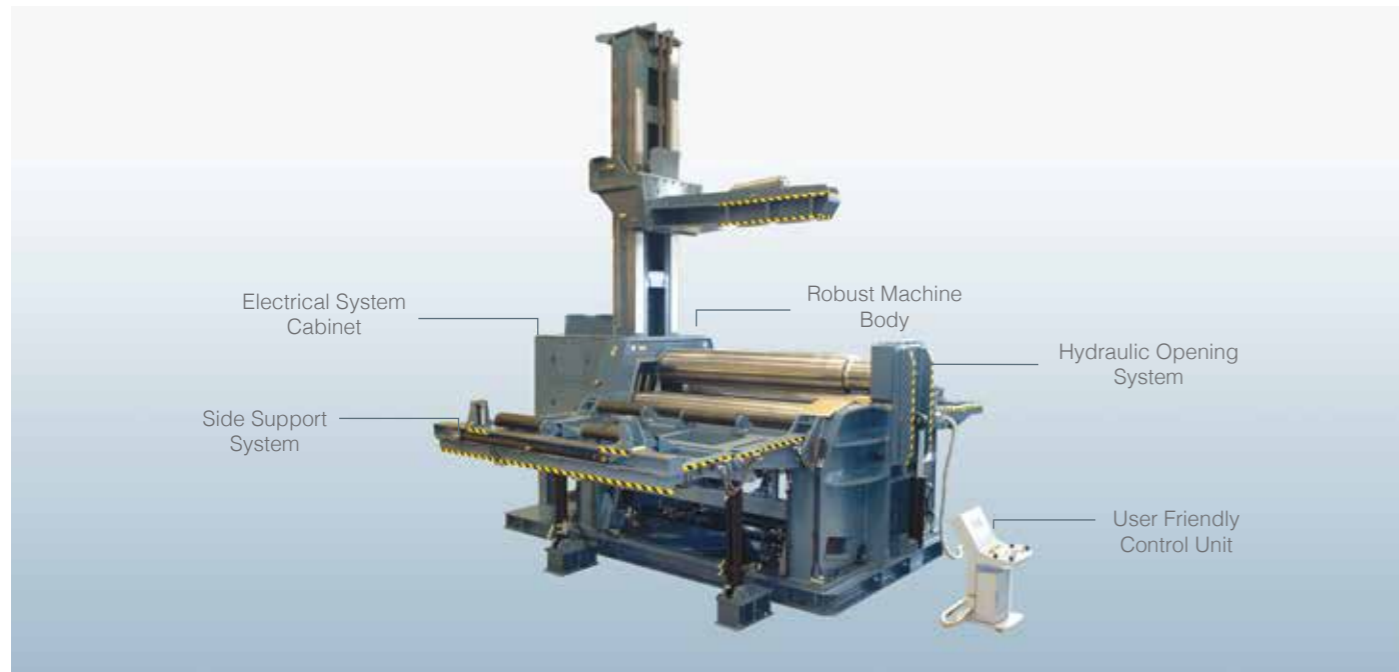


- Fast and Reliable
- Efficient Cycle Times
- User Friendly, Easy to Operate
- Increased Productivity
- Up to 8 inch Bending Thickness

# Finest Bending Performance

“Durma always strives to be your preferred partner”

Robust machine body and construction ensure long machine life and low maintenance. High torque drive system allows HRB to achieve shorter cycle times. User friendly control units makes it possible to be less dependant on operator competence.



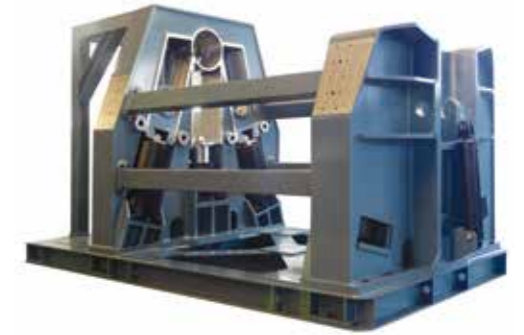
## General Specifications

- Up to 315 inch Bending Lengths
- Up to 8 inch Bending Thickness
- Accurate, Easy to Operate, Fast and Reliable
- Flat zone of the part is minimized
- Pre-bending, conical bending and ellipse bending can be done easily
- Double pre-bends (both ends) in one pass
- The sheet reference is maintained by tightening of top and bottom rolls
- Most desirable bending operation for CNC applications
- More efficient for cycle times
- Hydraulic and electrical systems have been safeguarded from overloading and require minimum maintenance.
- Hydraulic and electrical components are modual and designed according to world standards

## HRB Series Standard Features

### Robust Body Structure

Machine's body is strengthened and lowered to minimise the twists and deformation. Machine body, frame and steel bar connections are stress relieved after the welding operation.



### Planetary Swing Rolls System

Side rolls are guided by swing beds which allows them to act as 2 independent axes moving on curve shape orbits. Side rolls are approaches to the top roll on curve movement which allows to get perfect prebendings as well as spring back minimisation. (Rectilinear Rolls System designed for top roll dia more than 18,1 inch)



### High Torque Drive System

High Torque Drive System enables Durma roller bending machines to bend metal sheets with less steps. HRB-4 machines has top and bottom rolls powered by planetary reducer, hydraulic motor and gear system. HRB-3 machines has top and side rolls powered by planetary reducer, hydraulic motor and gear system. Strong Hydraulic Brake system does not allow the sheet to slip back. Pressure safety valves are protecting the hydromotor and other components from overloads and peak pressures.



### Hydraulic Opening

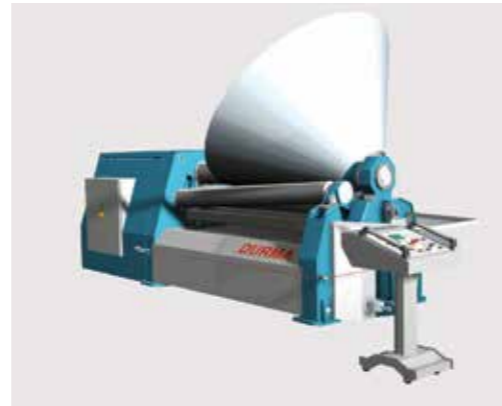
Hydraulic opening drop-end for easy remove completed the bending.



# HRB Series Standard Features

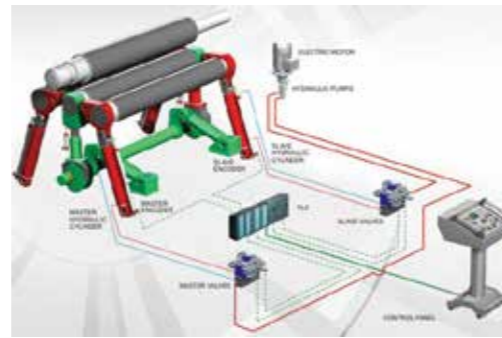
## Conical Bending System

Strong body and angular bottom and side rolls enables to easily conical bend materials. While machile machines in the market bends conical 3 times of top roll diameter, Durma HRB machines can bend 1.5 times easily.



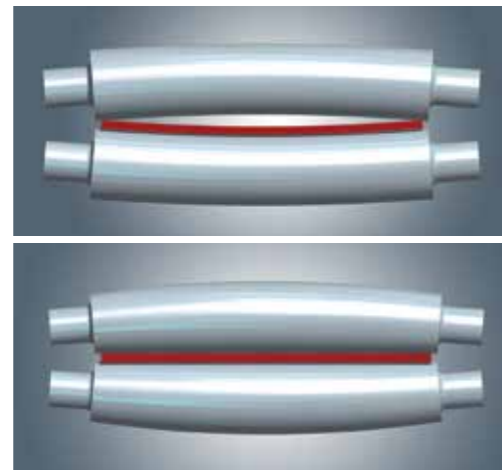
## Synchronized Rolls System

Side rolls triggered by 4 different strong hydraulic cylinders. Synchronisation between Thanks to high precision load holding valves. Bottom roll tightens different thickness of sheets without deformation and taking to the consideration of its paralelism by hydraulic adjustable pressure torsion bar.



## Hardened Rolls And Crowning System

Highly durable carbon steel (C45) rolls are machined by CNC Lathes with high precision without creating notch effect. Working surfaces of the rolls are induction hardened to HRC 54±2. Rolls are machined as crowning shape to compansate the deflactions on the rolls during the bending.



## Strengthen Bearing System

Rolls are guided with spherical roller bearings and bronze housings. Guiding system requires less lubrication and keeps it precision in long term.



## Hydraulic System

Rolls are positioned by hydraulic components. The precision of axes are maintained through the use of Bosch Rexroth valves. Pressure safety valves protect against peak pressures and overloads.



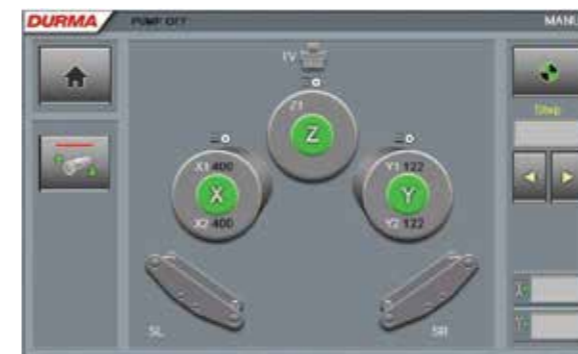
## Electrical and Electronic System

Electrical system is designed compatible with CE safety regulations. The system consists of well known electrical components. The system is protected by current overloa-dings for its components, power supplies and motors.



## User Friendly Control Unit

The standard control unit ensures that machine's bottom and side rollers operate smoothly.



User Friendly Control Unit HRB-3



User Friendly Control Unit HRB-4

# HRB Series Optional Features

## NC Control Unit (HRB-4)

In addition to standard user friendly control unit, all bending steps are recorded for operator in teaching mode. All recorded movements can be repeated using automatic mode. NC control system has capacity to save 70 programs up to 100 steps each.



## CNC Control Unit (HRB-4)

CNC control unit features a graphical control system that enables the operator to realize the bending step by step or automatically calculate bending process. It includes a bending library that features polysentric and ellipse bending shapes.



## Vertical and Side Support System

Optional hydraulic side and vertical supports the sheet's stretch and prevent deterioration of the bending form in big shaped bending.

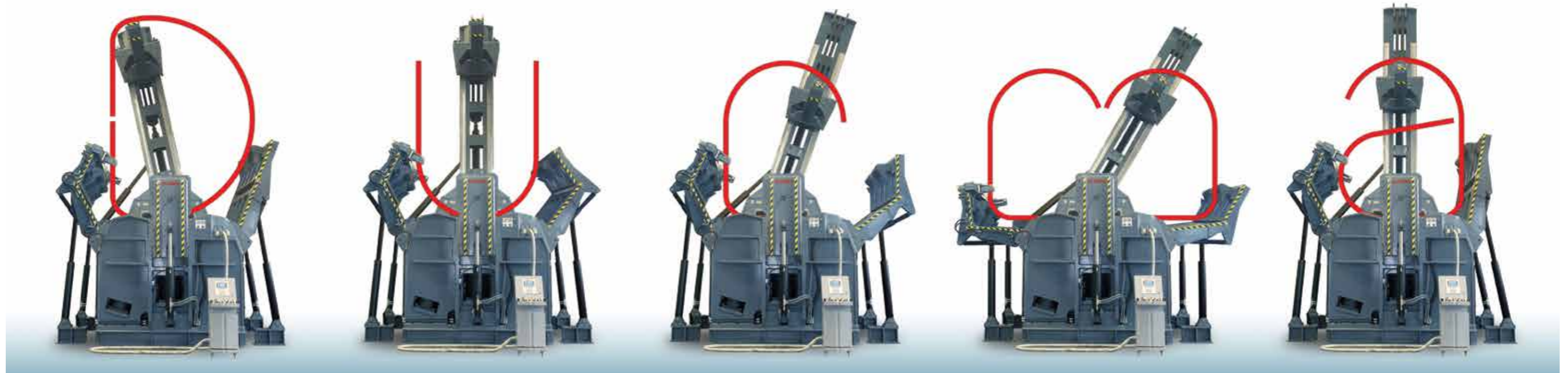
Moveable gauges with hydraulic double cylinders are produced from St52 steel construction. Sheet is easy sliding movement on supports by support rollers which is housing by bearings.

Each support can be controlling from control panel separately. It is possible to vertical support's capacity is to provide  $\varnothing$  78 inch to  $\varnothing$  236 inch sheet and 4 ton to 6 ton capacities. Vertical and side support system can be controlling automatically NC mod in CNC and NC machines.



Especially the during bendings of the large diameter and thin material ellipse, parallel corners and polycentric shaped may effect the precisions and can cause deformation of the material, when there is not enough support

from the standard sheet support systems the double knuckle side support system may interfere and provides a precise and perfect bendings, if need the sizes of these support can be build according to the customers request.



# HRB Series Optional Features

## Both Vertical and Horizontal Working

This option can be used when the large diameters bendings are not achieved with the support systems and the height is limited, its requires a pit and with this pit machine can be more usefull as well as the height advantages.



## Special solution for corrugated sheet



## Extended and Profile Bending Rolls

Extenden top and side Rolls with the universal bending roll sets bar, profile, angle profile can be easlie produced without needing any additional machinery, if needed special roll set can also be provided for customers requirements straightness or if needed conical bendings can be adjusted.

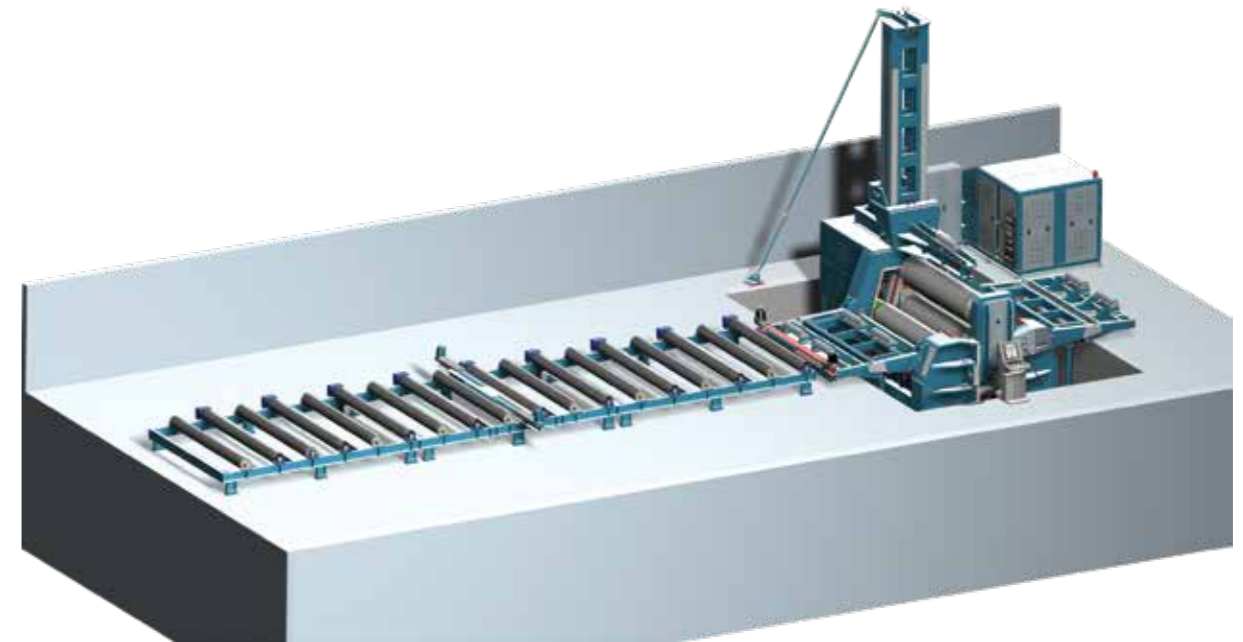


# HRB Series Special Features

Full automatic bending line with loading and unloading



Wind tower bending line



Anguler Material Feeding System



Material Feeding and Lip Alignment System

With the long and large sizes of metal sheets there may always have difficulties to providing the accuracy, placing and keeping the control of the product. Robust Bearing and housing bearing will provide smooth movement towards the machine, motorized or manual feeding tables also ensures the reduction of time and easy process. Opposite hydraulic cylinders will provide correctioning and will also help with the straightness or if needed conical bendings can be adjusted.





# Standard & Optional Equipment

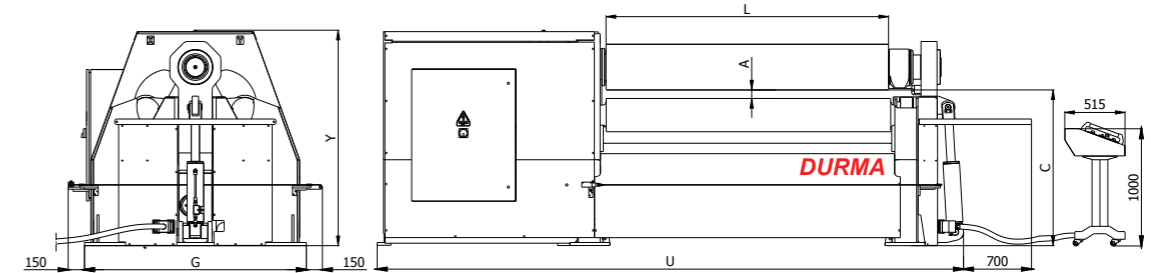
## Standard Equipments

- PLC control system
- Conical bending
- Induction hardened rolls
- Stress relieved steel construction body
- High tensile carbon steel rolls
- Sealed spherical roller bearings
- 2 rolls drive system (Upper roll Ø 7,87 inch - Ø 16,93 inch)
- 4 rolls drive system (Upper roll <Ø 16,93 inch)
- Fixed top roll (Upper roll Ø 7,87 inch - Ø 16,93 inch)
- Hydraulic opening cover
- Welding possibility on the machine
- Electronic synchronized rolls
- Mechanical synchronized bottom rolls
- Adjustable pinching pressure
- Overload protection
- Safety wire around the machine and emergency stop button on control panel
- Manual lubrication
- User manual
- CE

## Optional Equipments

- NC Control Unit
- CNC Control Unit
- Polished rolls
- Adjustable turning speed (NC, CNC Standard)
- Vertical or horizontal working position
- Hydraulic vertical support preparation (Full / Mechanical)
- Hydraulic vertical support
- Side support preparation (Full / Mechanical)
- Hydraulic side supports
- Hydraulic side supports with double joint
- NC included side and vertical supports
- Interchangeable top roll
- Longer rolls for profile bending and special bending rolls
- Oil cooling
- Oil heating
- Automatic centralized lubrication system
- Hydraulic roll crowning system
- Plate feeding platform with alignment unit
- Special plate support systems
- Loading, unloading systems
- Separate power cabinet
- Special solutions for wind tower projects

# HRB-4 Technical Specifications



HRB-4 Serisi	Bending Length	Min. Int. Dia Ø Dmin			Top Roll	Bottom Roll	Side Rolls	Max. Pass Through	Length	Width	Height	Working Height	Weight	Motor Power	Min. Additional top roll diameter	Hydraulic Tank Capacity
		Ødx1,5 Pre-Bending Capacities	Ødx3 Bending Capacities	Ødx5 Bending Capacities												
	L (inch)	s (inch)	s (inch)	S (inch)	Ød (inch)	Ø (inch)	Ø (inch)	A (inch)	U (inch)	G (inch)	Y (inch)	C (inch)	(lbs)	(hp)	Ø (inch)	gal
HRB-4 2006	80,7	0,157	0,236	0,276	6,693	6,693	5,512	0,591	141,732	38,189	44,882	34,055	6424	7,4	5,512	23,8
HRB-4 2008	80,7	0,236	0,315	0,394	7,874	7,874	7,480	1,181	150,787	45,669	46,457	33,071	9548	10,1	7,874	42,2
HRB-4 2010	80,7	0,315	0,394	0,472	8,268	7,480	7,087	1,181	150,787	45,669	46,457	32,874	9790	14,7	7,874	42,2
HRB-4 2013	80,7	0,394	0,512	0,591	9,055	8,268	7,480	1,181	150,787	45,669	46,457	32,480	10054	14,7	7,874	42,2
HRB-4 2016	80,7	0,512	0,630	0,709	10,630	9,843	8,661	1,969	167,717	65,354	62,598	45,472	17600	20,1	10,630	105,6
HRB-4 2020	80,7	0,630	0,787	0,866	11,811	10,630	8,661	1,969	167,717	65,354	62,598	44,882	18700	24,8	10,630	105,6
HRB-4 2025	80,7	0,787	0,984	1,102	12,992	11,811	9,449	1,969	167,717	65,354	62,598	44,291	20240	29,5	10,630	105,6
HRB-4 2030	80,7	0,984	1,181	1,299	14,173	12,992	10,630	2,362	177,559	81,102	80,709	59,449	30690	40,2	14,173	158,4
HRB-4 2035	80,7	1,181	1,378	1,496	15,748	14,567	11,417	2,559	177,559	81,102	80,709	58,661	33660	49,6	14,173	158,4
HRB-4 2513	100,4	0,394	0,512	0,591	10,630	9,843	8,661	1,969	187,402	65,354	62,598	45,472	19448	20,1	10,630	105,6
HRB-4 2516	100,4	0,512	0,630	0,709	11,811	10,630	8,661	1,969	187,402	65,354	62,598	44,882	21120	24,8	10,630	105,6
HRB-4 2525	100,4	0,787	0,984	1,102	14,173	12,992	10,630	2,362	197,244	81,102	80,709	59,449	33330	40,2	14,173	158,4
HRB-4 3008	122,0	0,236	0,315	0,394	9,055	8,268	7,480	1,181	192,126	45,669	46,457	32,480	12760	14,7	7,874	42,2
HRB-4 3010	122,0	0,315	0,394	0,472	10,630	9,843	8,661	1,969	209,055	65,354	62,598	45,472	21340	20,1	10,630	105,6
HRB-4 3013	122,0	0,394	0,512	0,591	11,811	10,630	8,661	1,969	209,055	65,354	62,598	44,882	23320	20,1	10,630	105,6
HRB-4 3016	122,0	0,512	0,630	0,709	12,992	11,811	9,449	1,969	209,055	65,354	62,598	44,291	25520	24,8	10,630	105,6
HRB-4 3020	122,0	0,630	0,787	0,866	14,173	12,992	10,630	2,362	218,898	81,102	80,709	59,449	36630	29,5	14,173	158,4
HRB-4 3025	122,0	0,787	0,984	1,102	15,748	14,567	11,417	2,559	218,898	81,102	80,709	58,661	40260	40,2	14,173	158,4
HRB-4 3030	122,0	0,984	1,181	1,299	16,929	15,748	12,598	2,756	218,898	81,102	80,709	58,071	45100	49,6	14,173	158,4
HRB-4 3035	122,0	1,181	1,378	1,496	18,110	17,323	14,173	3,543	223,780	89,764	93,504	69,567	69300	49,6+29,5	16,929	219,1
HRB-4 3040	122,0	1,378	1,575	1,732	18,898	17,913	14,567	3,543	223,780	89,764	93,504	69,173	77000	60,3+29,5	16,929	219,1
HRB-4 3050*	122,0	1,575	1,969	2,087	20,472	19,685	16,142	6,496	239,567	103,543	109,724	80,512	99000	2x49,6+40,2	19,685	290,4
HRB-4 3070*	122,0	1,969	2,756	2,913	25,591	24,016	19,685	5,906	250,787	127,559	144,094	111,220	158400	60,3+60,3	24,803	448,8
HRB-4 3090*	122,0	2,756	3,543	3,740	29,921	28,346	23,622	7,480	279,528	149,606	168,898	131,220	242000	73,7+73,7	28,740	580,8
HRB-4 4010	161,4	0,315	0,394	0,472	12,992	11,811	9,449	1,969	248,425	65,354	62,598	44,291	31020	20,1	10,630	105,6
HRB-4 4016	161,4	0,512	0,630	0,709	15,748	14,567	11,417	2,559	258,268	81,102	80,709	58,661	46860	29,5	14,173	158,4
HRB-4 4020	161,4	0,630	0,787	0,866	16,929	15,748	13,386	2,756	258,268	81,102	80,709	58,071	52382	49,6	14,173	158,4
HRB-4 4025	161,4	0,787	0,984	1,102	18,110	17,323	14,173	3,543	263,150	89,764	93,504	73,819	85800	49,6+29,5	16,929	219,1
HRB-4 4030	161,4	0,945	1,181	1,299	18,898	17,913	14,567	3,543	263,150	89,764	93,504	73,425	94600	60,3+29,5	16,929	219,1

\* On mentioned models - Ø Dmin= Ødx2 (pre bending) ; Ødx4 (bending)  
 The mentioned values above is only works for 240 N/mm²  
 Different material and widths ; can be calculated by DURMA Roll Bending Calculator  
 Conic bending capacities depends on the angle and half value of mentioned values above  
 Weight and motor powers optionally goes higher levels with additionalts



PLANETARY ROLLS SYSTEM  
 Top Roll: Ø 140-Ø430 mm  
 Drive: Top&Bottom



RECTILINEAR ROLLS SYSTEM  
 Top Roll: Ø 430-Ø760 mm  
 Drive: All Rolls

# HRB-3 Series Plate Rolls

## “Fast, Accurate and Easy to Operate”

Hydraulics Plate 3-Roll Bending Machine  
 Flexibility of 3 roll for medium sizes by Durma technology  
 Prebending of both the leading and trailing edge



Flexible machine for medium to thick material

Cost effective solutions for large diameters

Wide working range

Excellent for rolling cones

Great value for precision and reliability

All rolls are driven with superior torque and speed

### Standard Equipments

- PLC control system
- Conical bending
- Induction hardened rolls
- Stress relieved steel construction body
- High tensile carbon steel rolls
- Sealed spherical roller bearings
- 3 rolls drive system
- Fixed top roll and hydraulic opening cover
- Welding possibility on the machine
- Electronic synchronized rolls
- Overload protection
- Safety wire around the machine and emergency stop button on control panel
- Manual lubrication
- User manual
- CE

## HRB-3 Technical Specifications

TYPE	Bending Length L (inch)	Min. $\varphi$ Cap / Min. Int. Dia $\varnothing$ dx5 $\varnothing$ dx3 $\varnothing$ dx1.5			Top Roll $\varnothing$ d (inch)	Side Rolls $\varnothing$ (inch)	Max. Pass Through A (inch)	Length U (inch)	Width G (inch)	Height Y (inch)	Working Height C (inch)	Weight (lbs)	Motor Power (hp)	Min. Additional top roll diameter $\varnothing$ (inch)	Hydraulic Tank Capacity l
		Bending Capacities s (inch)	Bending Capacities S (inch)	Pre-Bending Capacities S (inch)											
HRB-3 2008	80,709	0,394	0,315	0,236	7,874	7,087	3,543	150,79	45,67	46,46	33,07	7540	10,06	7,874	160
HRB-3 2010	80,709	0,472	0,394	0,315	8,268	7,480	3,150	150,79	45,67	46,46	32,87	7937	10,06	7,874	160
HRB-3 2013	80,709	0,591	0,512	0,394	9,055	7,874	2,756	150,79	45,67	46,46	32,48	8377	14,75	7,874	160
HRB-3 2016	80,709	0,709	0,630	0,512	10,630	9,843	5,512	167,72	65,35	62,60	45,47	15102	20,12	10,630	400
HRB-3 2020	80,709	0,866	0,787	0,630	11,811	10,630	4,528	167,72	65,35	62,60	44,88	16094	24,81	10,630	400
HRB-3 2025	80,709	1,102	0,984	0,787	12,992	11,417	3,543	167,72	65,35	62,60	44,29	17482	29,50	10,630	400
HRB-3 2030	80,709	1,299	1,181	0,984	14,173	12,992	7,677	177,56	81,10	80,71	59,45	27966	40,23	14,173	600
HRB-3 2035	80,709	1,496	1,378	1,181	15,748	13,780	6,496	177,56	81,10	80,71	58,66	29542	49,62	14,173	600
HRB-3 2040	80,709	1,732	1,575	1,378	16,929	14,961	5,315	177,56	81,10	80,71	58,07	31526	60,35	14,173	600
HRB-3 2506	100,394	0,276	0,236	0,157	7,874	7,087	3,543	170,47	45,67	46,46	33,07	8377	10,06	7,874	160
HRB-3 2508	100,394	0,394	0,315	0,236	8,268	7,480	3,150	170,47	45,67	46,46	32,87	8818	10,06	7,874	160
HRB-3 2510	100,394	0,472	0,394	0,315	9,055	7,874	2,756	170,47	45,67	46,46	32,48	9690	14,75	7,874	160
HRB-3 2513	100,394	0,591	0,512	0,394	10,630	9,843	5,512	187,40	65,35	62,60	45,47	16645	20,12	10,630	400
HRB-3 2516	100,394	0,709	0,630	0,512	11,811	10,630	4,528	187,40	65,35	62,60	44,88	18078	24,81	10,630	400
HRB-3 2520	100,394	0,866	0,787	0,630	12,992	11,417	3,543	187,40	65,35	62,60	44,29	19821	29,50	10,630	400
HRB-3 2525	100,394	1,102	0,984	0,787	14,173	12,992	7,677	197,24	81,10	80,71	59,45	27293	29,50	14,173	600
HRB-3 2530	100,394	1,299	1,181	0,984	15,748	13,780	6,496	197,24	81,10	80,71	58,66	29021	40,23	14,173	600
HRB-3 2535	100,394	1,496	1,378	1,181	16,929	14,961	5,315	197,24	81,10	80,71	58,07	31967	49,62	14,173	600
HRB-3 3006	122,047	0,276	0,236	0,157	8,268	7,480	3,150	192,13	45,67	46,46	32,87	9921	10,06	7,874	160
HRB-3 3008	122,047	0,394	0,315	0,236	9,055	7,874	2,756	192,13	45,67	46,46	32,48	10582	10,06	7,874	160
HRB-3 3010	122,047	0,472	0,394	0,315	10,630	9,843	5,512	209,06	65,35	62,60	45,47	18254	14,75	10,630	400
HRB-3 3013	122,047	0,591	0,512	0,394	11,811	10,630	4,528	209,06	65,35	62,60	44,88	20282	20,12	10,630	400
HRB-3 3016	122,047	0,709	0,630	0,512	12,992	11,417	3,543	209,06	65,35	62,60	44,29	21715	24,81	10,630	400
HRB-3 3020	122,047	0,866	0,787	0,630	14,173	12,992	7,677	219,90	81,10	80,71	59,45	32849	29,50	14,173	600
HRB-3 3025	122,047	1,102	0,984	0,787	15,748	13,780	6,496	219,90	81,10	80,71	58,66	36004	40,23	14,173	600
HRB-3 3030	122,047	1,299	1,181	0,984	16,929	14,961	5,315	219,90	81,10	80,71	58,07	39021	49,62	14,173	600
HRB-3 4006	161,417	0,276	0,236	0,157	10,630	9,843	5,512	248,43	65,35	62,60	45,47	21407	14,75	10,630	400
HRB-3 4008	161,417	0,394	0,315	0,236	11,811	10,630	4,528	248,43	65,35	62,60	44,88	23369	14,75	10,630	400
HRB-3 4010	161,417	0,472	0,394	0,315	12,992	11,417	3,543	248,43	65,35	62,60	44,29	25070	20,12	10,630	400
HRB-3 4013	161,417	0,591	0,512	0,394	14,173	12,992	7,677	258,27	81,10	80,71	59,45	37919	24,81	14,173	600
HRB-3 4016	161,417	0,709	0,630	0,512	15,748	13,780	6,496	258,27	81,10	80,71	58,66	41667	29,50	14,173	600
HRB-3 4020	161,417	0,866	0,787	0,630	16,929	14,961	5,315	258,27	81,10	80,71	58,07	46738	40,23	14,173	600

The mentioned values above is only works for 34800 Psi  
 Different material and widths : can be calculated by DURMA Roll Bending Calculator  
 Conic bending capacities depends on the angle and half value of mentioned values above  
 Weight and motor powers optionally goes higher levels with additional

### Optional Equipments

- Polished rolls
- Adjustable turning speed
- Vertical or horizontal working position
- Hydraulic vertical support preparation (Full / Mechanical)
- Hydraulic vertical support
- Side support preparation (Full / Mechanical)
- Hydraulic side supports
- Hydraulic side supports with double joint
- Interchangeable top roll
- Longer rolls for profile bending and special bending rolls
- Oil cooling
- Oil heating
- Automatic centralized lubrication system
- Plate feeding platform with alignment unit
- Special plate support systems
- Loading, unloading systems
- Separate power cabinet



PLANETARY ROLLS SYSTEM  
 Top Roll:  $\varnothing$  7,87- $\varnothing$  16,93 inch  
 Drive: All Rolls

# MRB-S Series Plate Rolls

## Motorised Assymetrical 3 Roll Machine

Especially for thinner sheets with small lot sizes  
 Easy prebending thanks to top & bottom rolls tighten the workplace  
 Cost-oriented solutions for small and medium enterprises  
 Wide range of industrial usage



MRB-S	Unit	1506	2005	2006	2504	2506	2508	3004	3006
Bending Length	inch	60,23	79,9	79,9	99,6	99,6	99,6	119,3	119,3
Bending Capacity	inch	0,24	0,2	0,24	0,16	0,24	0,31	0,16	0,24
Pre Bending	inch	0,16	0,16	0,2	0,12	0,16	0,24	0,08	0,16
Tolp roll Ø	inch	5,9	6,3	6,69	6,69	7,48	8,66	7,08	8,66
Motor Power	hp	5,36	5,36	5,36	5,36	7,37	7,37	5,36	7,37
Length	inch	122	142	142	162	168	168	182	187
Height	inch	44	44	44	44	47	47	44	47
Width	inch	40	40	40	40	45	45	40	45
Weight	lbs	4630	5070	5291	5952	8267	9766	9369	10846

### Standard Equipment

- CE
- Conical bending
- Motorised back roll
- Top & Bottom rolls gear driven
- Pendant command panel
- SAE 1050 steel rolls
- Induction hardened rolls
- Stress relieved steel construction
- Support on 98,5 and 118,1 inch machines
- Brake system for precise bendings

### Optional Equipment

- Digital readout
- Motorised bottom roll tightening
- Ground rolls
- Roll extension for profile bending
- Special rolls for profile bending
- Special packing for overseas shipments

# MRB Series Plate Rolls

## Motorised 3 Roll Machine

MRB Series	Unit	1004	1204	1503	1504	2004
Bending Length	inch	40,5	50,4	60,2	60,2	79,9
Bending Capacity	inch	0,16	0,16	0,12	0,16	0,16
Pre Bending	inch	0,12	0,12	0,08	0,12	0,1
Tolp roll Ø	inch	4,33	4,72	4,33	5,12	5,51
Motor Power	hp	2,95	2,95	2,95	2,95	2,95
Length	inch	75	85	95	95	114
Height	inch	44,1	44,1	44,1	44,1	44,1
Width	inch	37	37	37	37	37
Weight	lbs	2635	2965	3060	3142	3450

### Standard Equipment

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- Conical bending
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### Optional Equipment

- Digital readout
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Plate Roll Bending

**MRB & MRB-S** SERIES  
Motorised Plate Roll Bending

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