

AD-S SERIES PRESS BRAKES



- Perfect Precision
- Deep And Fast Bending
- Efficient
- Winning
- Elegant Design





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 m², 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.



High technology, modern production lines



∠
Top Quality
Components



High quality machines designed in R&D Centre

The Winning Force

Feel The Force and Performance

Our Machines are shaped with our superior experience and state of art technology, special designed as well as excellent combined component its the fastest, most reliable and prices press Brakes on its category.

With its rigid body structure, robust back gauge and high standard components it ensures long lasting and precision applications.

Therefore with DURMA press brakes you can always achieve perfect result.



Fast, Precise and Perfect Bending

Precise bending result at fast speed

Minimum tool change and adjustment time

Maximum speed and safety



AD-S Series Press Brake



Perfect and Fast Bending

Perfect components for precision



Fast, Efficient, Modern

AD-S Series press brakes, designed with high technology to increase efficiency on precise part bending.

Quality approved components.

Stress relieved for long life and precise bending.



General Specifications

- High sensitivity, Stress relieved steel construction body, long life Mono Block Frame
- Automatic calibration and first start up
- DURMA designed and copyrighted guiding system
- Ball Screw and linear guide integrated perfect back gauge system
- Durable, long life and sensitive bending capable special hardened top tools
- Suitable for segmented tools special and fast tool holding system
- Sensitive solutions on Long and deep bending
- High accuracy linear scales
- CE safety standards
- Best quality world wide accepted hydraulic and electric components

Strong Back Gauge Systems

Precision

Reliable

Strong

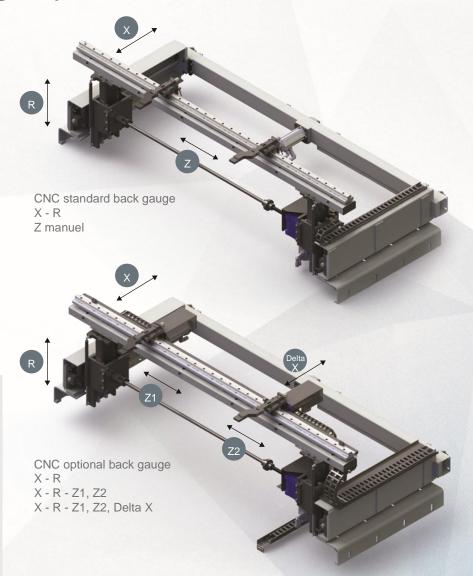
- Fast and high accuracy
- Safe movement
- Resistance to crash
- Maintenance free
- Adjustment availability at every point

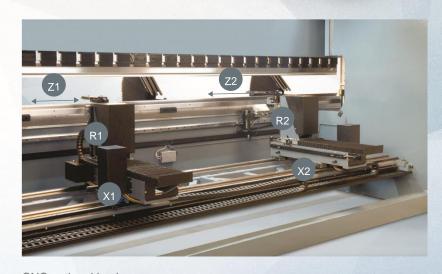
Why *DURMA*Back Gauge?

Most important feature to achieve perfect bending is the stability and the design of the back gauge, which allows an impeccable and correct product to be produced.

The high speed **ballscrew** back gauge system movement is also supported with **linear guides**, which helps the back gauge achieve long life, greater sensitivity and strengthens against any collisions.

Special designed finger blocks with steps to achieve maximum stability can also be supplied for every kind of bending solution.





CNC optional back gauge X1 - X2, R1 - R2, Z1 - Z2

Tool Holders and Tools

Bending performance increased using with high quality European clamping system and easy to use. Narrow table designed for European style tool holder and Z bending.

DURMA is your solution partner with various tool options.



European Clamping System



Quick Release Clamping



Wila Top Tool Clamping



DURMA Top Tool



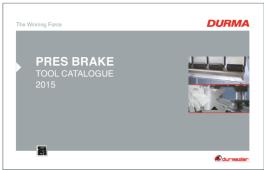
European Type Bottom Tool (4V Die)



Wila Bottom Tool Clamping



DURMA Bottom Tool Multi V



Safe and Accurate Bends with Top Quality Equipments

Crowning System

Manual or CNC-controlled motorized crowning system simplifies bending by adjusting each point of the bending parts to acquire straight bends. The need for shimming is eliminated.



CNC Crowning System

Linear Guide Front Sheet Supports

Rugged support arms with tilting stops are mounted on a linear guide rail system. This allows "finger-tip" lateral adjustment as required by the bend length of the part. They are also equipped with side gauges for the fast, easy, and accurate feeding of parts small or large.

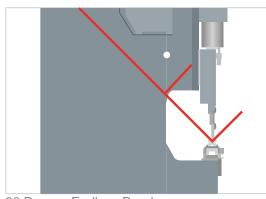


Linear Guide Front Sheet Supports

CE Safety Systems

Our machines are designed in accordance with Ce-Norms to ensure your safety with hydraulic, electric, appropriate height covers and laser light curtains.CE safety in tandem machines are also provided with light barriers

Ce Laser Safety System



90 Degree Endless Bend

Stable Top Beam Movement

By using long and planar guiding surfaces, all the disadvantages of point guiding are eliminated 100%. free bending space: guiding system that eliminates bending between frame has been moved to the outside of the frame.

Now Bending is More Easier

ModEva 15T



15" color Touch Screen
On-screen finger profile drawing
Automatic bend listing
Very simple and convenient data transfer
Higher productivity thanks to easy and rapid
Multi-simulation capability
Simulation criteria for better sheet management
Windows XPe for multitasking and file management
EC safety-cycle management
Ethernet for Easy communication

Bundled Offline Software

PC-ModEva software allows you to prepare your programs, calculate offers and check feasibility of the parts on your desktop computer. No time is wasted on the machine

DA-66T



2D graphical touch screen programming mode
3D visualisation in simulation and production
17" high resolution colour TFT
Full Windows application suite
Delem Modusys compatibility
USB, peripheral interfacing
User specific application support within the controllers multitasking environment
Sensor bending & correction interface

Modeva Premium

DA-69T

ANGLE MEASUREMENT

AP3 - AP4 SHEET FOLLOWER





ROBOTIC SOLUTIONS



Standard & Optional Equipment

Standard Equipment

Y1, Y2, X, R - 4- axis

Control Unit - CNC ModEva15T or 66T

CE Manuel F. AKAS II M FPSC-B-C + safety covers with switch

CE F.AKAS BVLT light barrier and safety covers (for tandem press brakes)

Servo motor back gauge & linear guided & ballscrew system (X-R)

CNC crowning

European style tool clamping system

Sliding front arms (With T-Slot and stopper)

World standards special design hydraulic block and valves

World standard electric equipment

Optional Equipment

Oil cooler

Control unit - ModEva Premium or 69T FIESSLER AKAS-LC II AKAS-3 M Motorized + FPSC (safety PLC) CE BLVT safety – only for tandem machines Z1, Z2 axis X1, X2 axis R1, R2 axis R1 R2 axis on back gauge fingers Delta X axis,+250mm stroke X axis = 1000 mm - light barrier back protection AP3-AP4 sheet following system Motorized height adjustable laser angle measurement system Quick release clamping system Hydraulic and pneumatic tool clamping systems Bottom and top tools Bottom tool separation system Parking area Central lubrication system

Additional back gauge finger and sliding front support arms

Special packing for overseas shipments

Fast on Service and Spare Parts

DURMA provides the best level of service and spare parts with qualified personnel and spare parts in stock. Our experienced and professional service personnel are always ready at your service. Our professional training and application enriched courses will give you an advantage to use our machinery.



Consultancy



Spare Parts



R&D Center



After Sales Service



Solution Center



Service Agreements



Software



Training

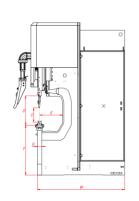


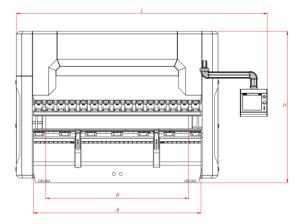
Flexible Solution

AD-S Series Technical Details

			nmns						Working	g Speed
es	Bending Force	Bending Length	Distance Between Columns	Stroke	Daylight	Throat Depth	Table Height	Table Width	Y Rapid Speed	Y Working Speed
Seri	Ton	mm	mm	mm	mm	mm	mm	mm	mm/sec	mm/sec
AD-S Series		А	В	С	D	Е	F	G		
AD-S 1260	60	1250	1050	265	530	350	900	104	200	10
AD-S 2060	60	2050	1700	265	530	410	900	104	200	10
AD-S 25100	100	2550	2200	265	530	410	900	104	180	10
AD-S 30100	100	3050	2600	265	530	410	900	104	180	10
AD-S 30135	135	3050	2600	265	530	410	900	104	160	10
AD-S 30175	175	3050	2600	265	530	410	900	104	160	10
AD-S 30220	220	3050	2600	265	530	410	900	104	140	10
AD-S 30320	320	3050	2600	265	530	410	900	154	160	10
AD-S 37175	175	3700	3100	265	530	410	900	104	140	10
AD-S 37220	220	3700	3100	265	530	410	900	104	160	10
AD-S 40175	175	4050	3600	265	530	410	900	104	160	10
AD-S 40220	220	4050	3600	265	530	410	900	104	160	10
AD-S 40320	320	4050	3600	365	630	410	900	154	160	10
AD-S 40400	400	4050	3400	365	630	510	1040	300	140	8
AD-S 40600	600	4050	3100	365	700	510	990	300	80	7
AD-S 60220	220	6050	5100	265	530	410	1100	154	140	10
AD-S 60320	320	6050	5100	365	630	410	1100	154	140	10
AD-S 60400	400	6050	5100	365	630	510	1220	300	120	8
AD-S 60600	600	6050	5100	365	700	510	990	300	80	7
AD-S 60800	800	6050	5100	400	700	610	800	400	70	6
AD-S 70800	800	7050	5100	400	700	610	800	400	80	7
AD-S 701000	1000	7050	5100	500	800			400	70	5
AD-S 701250	1250	7050	5100	600	800	610	900	400	70	7
AD-S 80800	800	8050	6400	400	700	610	800	400	80	7
AD-S 801000	1000	8050	6400	500	800	610	800	400	70	5
AD-S 801250	1250	8050	6400	500	800	610	900	500	70	7
AD-S 801600	1600	8100	6400	400	1000	610	900	500	70	6

Machines set according to optimum values.





	Speec	Speec	stance	X A	Axes Distar	nce					
Y Return Speed	X Axes Working Speec	R Axes Working Speec	R Axes Working Distance	650	750	1000	Motor Power	Length	Width	Height	Weight Approx.
mm/sec	mm/sec	mm	mm				kW	mm	mm	mm	kg
								L	W	Н	
110	500	350	250	-	S	-	7,5	2300	1200	2350	3100
110	500	350	250	S	-	0	7,5	3200	1200	2350	3550
120	500	350	250	S	-	0	11	3800	1670	2750	8900
120	500	350	250	S	-	0	11	4200	1670	2750	9500
120	500	350	250	S	-	0	15	4200	1680	2750	10500
100	500	350	250	S	-	0	18,5	4250	1700	2750	11500
140	500	350	250	S	-	0	22	4250	1770	2900	12500
140	500	350	250	S	-	0	37	4300	1820	3230	17500
100	500	350	250	S	-	0	18,5	4950	1700	2900	13000
120	500	350	250	S	-	0	22	4950	1770	2900	14360
140	500	350	250	S	-	0	18,5	5250	1700	2750	13100
140	500	350	250	S	-	0	22	5250	1770	2900	15000
140	500	350	250	-	S	0	37	5300	1910	3230	21000
120	350	300	250	-	S	0	37	5750	2110	3540	27000
80	350	300	250	-	S	0	45	5650	3250	3835	40500
120	350	300	250	-	S	0	22	7500	1770	3250	20840
120	350	300	250	-	S	0	37	7500	1910	3450	28500
100	350	300	250	-	S	0	37	7500	2110	3710	36000
80	350	300	250	-	S	0	45	7600	2650	3850	54000
80	350	300	250	-	S	0	55	8050	3200	4250	72000
70	350	300	250	-	S	0	55	8700	3200	4250	79500

60	300	250	250	-	-	S	55	8800	3250	5900	95500
70	300	250	250	-	-	S	90	8800	3250	6400	110000
70	300	300	250	-	S	0	55	9800	3200	4250	85000
60	300	250	250	-	-	S	55	10000	3250	5900	102000
70	300	250	250	-	-	S	90	10000	3250	6400	135000
70	300	250	250	-	-	S	90	10100	3500	7000	163000
60	300	250	250	-	-	S	110	10500	4350	8100	249000

S : Standard

O: Option

DURMA



FIBER LASER



PUNCH



PLASMA



L ANGLE PROCESSING CENTER



IRON WORKER



POWER OPERATED SHEAR

DURMA



PRESS BRAKE



VARIABLE RAKE SHEAR



ROLL BENDING



PROFILE BENDING



BANDSAW



CORNER NOTCHER

DURMA

Today Tomorrow and Forever With You...

V b		ν.											s(n	nm)										
	b	ri	0.5	0.8	1	1.2	1.5	1.8	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	12	15	18	20
6	5	1	2,5	6,5	10																			
8	6	1,3	2	5	8	11																		
10	7	1,7	1,5	4	6	9	13															7		
12	9	2		3	5	7	11	16													F			
15	12	2,7			4	6	9	13	16												1			
20	15	3,3				4	7	10	12	19									9,1	4		J		
26	18	4,2					4	7,5	9	14	21										=//			
30	22	5						6,5	8	12	19	24										9		
32	23	5,4							7,5	11,6	17	23	30								V			
37	25	5,8								10	14,5	20	26	33						L-	V	-		
42	29	6,7									13	17	23	29	33,5									
45	32	7,5										16	21	27	33	48								
50	36	8,3											19	24	30	43	58							
60	43	10												20	25	36	49	64						
70	50	11,5													21	31	42	55	69					
80	57	13,5														27	37	48	60	75				
90	64	15			1.4	201	V D.		2								32	42	54	66	95			
100	71	17		F =	= 1,4	2×L 100	× RM	2×S	-(To	n)								38	48	60	86	134		
130	93	22				100	00×1	_											37	46	66	103	149	
180	130	30																		33	48	75	107	15
200	145	33																			43	67	83	11
250	180	42																				54	77	92

F: Bending Force (Ton) L: Length(mm) ri: Inside Radius (mm) Rm: Material Tensile Strength (daN/mm²) V: Channel Width (mm) b: Minimum Sheet Bending Side (mm) s: Thickness (mm)

AD-S SERIES PRESS BRAKES

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Durmazlar Makina San. Tic. A.Ş. has right to change catalogue values and machine technical details without notice.