

AHS Technical Specifications	Working Length	Pre-Bending Capacity @ 3X Top Roll Ø	Rolling Capacity @ 3X Top Roll Ø	Top Roll Ø	Pinch Roll Ø	Side Rolls Ø	Motor Size	Dimensions	Weight
Model Type	inch	inch	inch	inch	inch	inch	hp	inch	lbs
AHS 20/04	82"	.157"	.250"	6.30"	5.50"	4.73"	3	154" X 45" X 34"	5,100
AHS 20/06	82"	.250"	.315"	7.50"	6.70"	5.90"	4	158" X 54" X 49"	7,260
AHS 20/08	82"	.315"	.375"	8.25"	7.50"	6.70"	10	164" X 54" X 52"	9,250
AHS 20/10	82"	.375"	.500"	9.00"	8.25"	7.00"	10	164" X 54" X 52"	10,200
AHS 20/13	82"	.500"	.625"	10.62"	9.84"	8.25"	15	169" X 60" X 56"	15,000
AHS 20/16	82"	.625"	.750"	11.80"	10.62"	8.25"	15	174" X 68" X 57"	16,000
AHS 20/20	82"	.750"	1.00"	13.00"	11.80"	9.44"	15	176" X 72" X 63"	20,000
AHS 20/25	82"	1.00"	1.18"	14.17"	13.00"	9.84"	20	181" X 83" X 79"	23,000
AHS 20/30	82"	1.18"	1.37"	15.35"	14.17"	11.80"	30	188" X 87" X 86"	41,400
AHS 20/35	82"	1.37"	1.50"	16.92"	15.35"	13.00"	40	208" X 96" X 98"	52,800
AHS 20/40	82"	1.50"	2.00"	18.11"	16.92"	14.17"	50	216" X 96" X 98"	70,400
AHS 20/50	82"	2.00"	2.37"	20.00"	18.11"	15.35"	60	220" X 118" X 140"	99,000
AHS 20/60	82"	2.76"	2.37"	21.26"	20.00"	17.32"	75	223" X 115" X 118"	88184
AHS 25/04	102"	.157"	.250"	7.50"	6.70"	5.90"	4	158" X 54" X 49"	7,920
AHS 25/06	102"	.250"	.315"	8.25"	7.50"	6.70"	10	183" X 54" X 52"	10,120
AHS 25/08	102"	.315"	.375"	9.00"	8.25"	7.00"	10	183" X 54" X 52"	12,250
AHS 25/10	102"	.375"	.500"	10.62"	9.84"	8.25"	15	197" X 60" X 56"	15,850
AHS 25/13	102"	.500"	.625"	11.80"	10.62"	8.25"	15	197" X 68" X 57"	17,850
AHS 25/16	102"	.625"	.750"	13.00"	11.80"	9.44"	15	197" X 72" X 63"	23,250
AHS 25/20	102"	.750"	1.00"	14.17"	13.00"	9.84"	20	198" X 75" X 63"	26,000
AHS 25/25	102"	1.00"	1.18"	15.35"	14.17"	11.80"	25	198" X 83" X 78"	34,750
AHS 25/30	102"	1.18"	1.37"	16.92"	15.35"	13.00"	30	208" X 86" X 86"	45,550
AHS 25/35	102"	1.37"	1.50"	18.11"	16.92"	14.17"	40	222" X 90" X 102"	66,000
AHS 25/40	102"	1.50"	2.00"	20.00"	18.11"	15.35"	60	228" X 96" X 102"	99,000
AHS 25/50	102"	2.36"	1.97"	21.26"	20.00"	17.32"	75	243" X 115" X 118"	88184
AHS 30/04	122"	.157"	.250"	8.25"	7.50"	6.70"	10	183" X 54" X 52"	10,600
AHS 30/06	122"	.250"	.315"	9.00"	8.25"	7.48"	10	203" X 54" X 52"	14,300
AHS 30/08	122"	.315"	.375"	10.62"	9.84"	8.25"	15	217" X 60" X 56"	17,400
AHS 30/10	122"	.375"	.500"	11.80"	10.62"	8.25"	15	218" X 68" X 57"	19,850
AHS 30/13	122"	.500"	.625"	13.00"	11.80"	9.44"	15	220" X 72" X 63"	26,450
AHS 30/16	122"	.625"	.750"	14.17"	13.00"	9.84"	20	222" X 75" X 63"	29,050
AHS 30/20	122"	.750"	1.00"	15.35"	14.17"	11.80"	25	225" X 83" X 78"	38,600
AHS 30/28	122"	1.00"	1.18"	16.92"	15.35"	13.00"	30	228" X 86" X 86"	49,500
AHS 30/30	122"	1.18"	1.37"	18.11"	16.92"	14.17"	40	241" X 90" X 102"	70,400
AHS 30/32	122"	1.57"	1.26"	18.11"	16.54"	14.17"	40	246" X 101" X 90"	66138
AHS 30/35	122"	1.37"	1.50"	20.00"	18.11"	15.35"	50	248" X 96" X 102"	88,000
AHS 30/35	122"	1.77"	1.38"	20.08"	18.11"	15.35"	60	246" X 101" X 90"	73854
AHS 30/40	122"	1.50"	2.00"	21.26"	20.00"	17.32"	60	256" X 118" X 122"	114,400
AHS 30/50	122"	2.36"	1.97"						
AHS 30/60	122"	2.76"	2.36"						
AHS 30/70	122"	3.35"	2.76"						
AHS 30/80	122"	3.74"	3.15"						
AHS 30/90	122"	4.13"	3.54"						
AHS 30/100	122"	4.72"	3.94"						
AHS 30/120	122"	5.51"	4.72"						
AHS 40/04	161"	.157"	.250"	10.62"	9.84"	8.25"	7.5	236" X 60" X 56"	19,600
AHS 40/06	161"	.250"	.315"	11.80"	10.62"	8.25"	7.5	236" X 68" X 57"	21,850
AHS 40/08	161"	.315"	.375"	13.00"	11.80"	9.44"	10	237" X 72" X 63"	32,825
AHS 40/10	161"	.375"	.500"	14.17"	13.00"	9.84"	15	238" X 75" X 63"	35,200
AHS 40/13	161"	.500"	.625"	15.35"	14.17"	11.80"	20	238" X 83" X 78	45,800
AHS40/16	161"	.625"	.750"	16.92"	15.35"	13.00"	25	247" X 86" X 86"	57,200
AHS 40/20	161"	.750"	1.00"	18.11"	16.92"	14.17"	25	261" X 90" X 102"	83,600
AHS 40/25	161"	1.00"	1.18"	20.00"	18.11"	15.35"	30	275" X 118" X 116"	114,400
AHS 40/28	161"	1.10"	1.37"	21.26"	20.00"	17.32"	40	275" X 118" X 120"	132,000
AHS 40/35	161"	1.27"	1.50"	25.60"	21.65"	18.89"	60	275" X 120" X 122"	185,000

Data based upon 36,000PSI yield point. For cone bending, all bending values must be reduced 50%. All specifications are subject to change without notice.

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Akcalar Sanayi Bolgesi, Sanayi cad.  
No: 8/A 16225 Akcalar / BURSA / TURKEY  
Tel: +90 224 280 75 00  
Fax: +90 224 280 75 01  
[info@akyapak.com.tr](mailto:info@akyapak.com.tr)



Exclusive United States distributor

4610 Mercedes Drive  
Belcamp, Maryland 21017 USA  
Phone: 410.272.3600 | 888.988.ROLL  
Fax: 410.272.3601  
[sales@trilogymachinery.com](mailto:sales@trilogymachinery.com)

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4 ROLLS HYDRAULIC PLATE BENDING MACHINE



Material Feeding Table

**A**kyapak hydraulic plate bending rolls are the most preferred product in our market segment. Akyapak Akbend Type AHS Hydraulic 4-roll Plate Bending Rolls are available with capacities from 1/8" up to 8" thick plate and in lengths from 40" to 40' in both 3-roll and 4-roll versions.

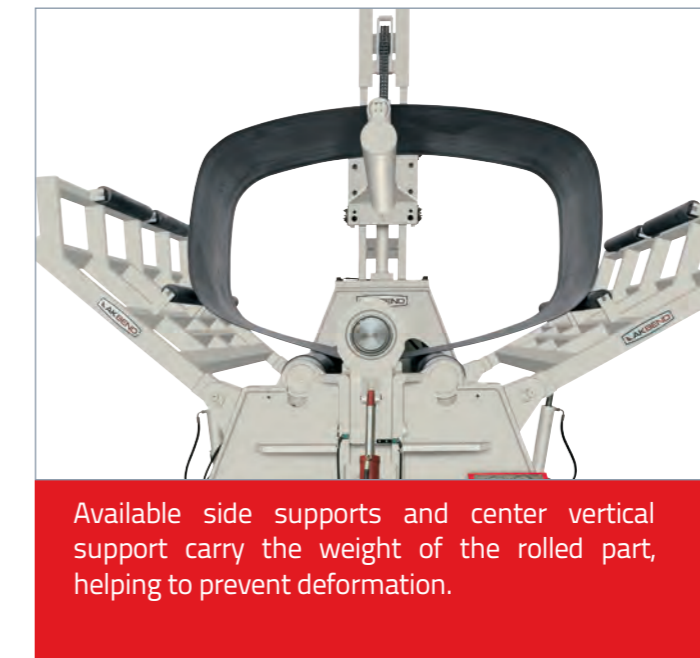
AHS Machines are equipped with advanced technological features that greatly increase the ease of use for your operators. Rolls are driven hydraulically. Top and side rolls move up and down hydraulically. Drop end and tilting features can be easily controlled from the control panel. The control system of the machine can be offered with NC or CNC options. AHS 4-Roll Hydraulic Plate Bending Rolls not only facilitate bending operations but also minimize the loss of time, and can expand productivity with many available optional features.

AHS Machines have extremely robust frames welded using St-52 steel. Roll shaft diameters and materials together with bearing and bending forces combine to ensure optimum capacity. Like all the other machines produced by AKYAPAK, AHS Machines have a very meticulous process of production. These machines are produced after being designed using 3-D CAD modeling software and checked for feasibility with sophisticated stress analysis software. Machines must also pass many quality tests by experienced and highly trained technicians before they are ready to leave the plant.

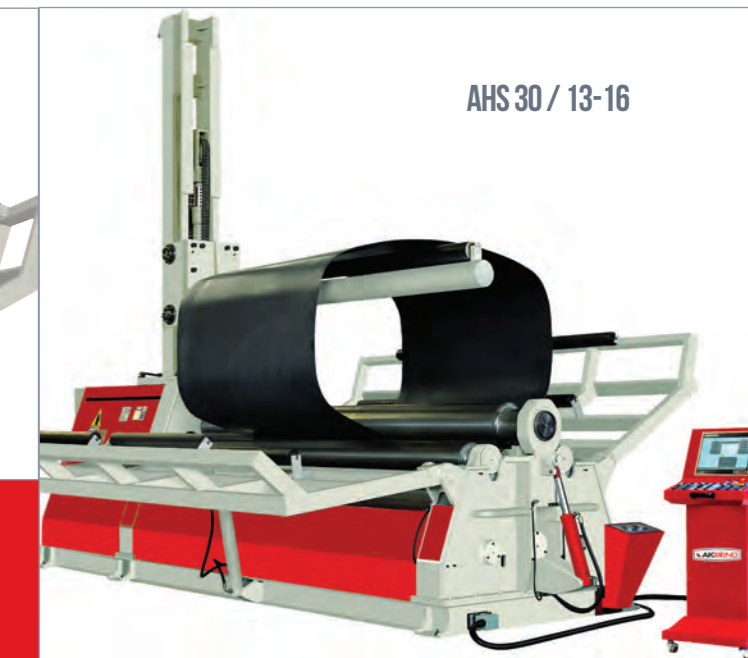
There are hydraulic and electrical safety features on our hydraulic plate bending rolls, including emergency stop safety cable and emergency stop palm buttons. The housing of the rolls are equipped with self-aligning bearings. In this way the friction force is reduced and more of the machine's power is transferred to the plate.

The advanced technology behind all Akyapak machines, including the AHS 4-roll hydraulic plate rolls, combined with the many standard and available features help explain why the Akyapak AkBend plate rolls have enjoyed success around the world.

AHS Special Production Wind Towers Bending Line



Available side supports and center vertical support carry the weight of the rolled part, helping to prevent deformation.



AHS 30 / 13-16

**Standard Equipment:**

- Cone Bending device
- Induction hardened rolls – Rc 52-55
- Digital display for both side rolls
- Machine body is steel (ST-52) construction
- Separate control panel
- Two rolling speeds
- All rolls are mounted in high quality bearings
- Hydraulic drop end controlled from control panel
- Side roll tilt for cone rolling controlled from control panel
- Center rolls are driven with separate hydraulic motor and planetary gearbox
- Conforms with CE, ISO9001 2008, TSEK and TURQUM certificates.

AHV Variable Geometry Hydraulic Plate Bending Machine



**Optional Equipment:**

- Infinitely variable speed of rotation
- Side and center vertical supports for large diameters
- Material feed table
- CNC Graphic control system
- NC 'Teach-in' control system
- Changeable top roll for rolling smaller diameters
- Oil cooling system
- Motors available in other voltages and frequencies

AHS 25/16-20

