

**AKYAPAK®**

**AKBEND®**

**AHK - 3 ROLLER HYDRAULIC  
PLATE BENDING MACHINE**



MODEL: AHK - 3100 X 20-25mm



AKYAPAK manufactures 3 roller Hydraulic Plate Bending Machine with the capacity of bending from 2mm to 100mm in thickness and from 1000mm to 6000mm in width/length.

Some of the features of AKYAPAK's 3 roller Hydraulic Plate Bending Machines are:

- \* Top Roll and Pinch Roll Hydraulically driven
- \* Up & Down movements of the side rolls are hydraulically powered
- \* Drop-End controlling system to open and close from control panel
- \* Top roll tilts up
  - \* Rolls are driven by 3 separated hydraulic motors and gearbox (upto Dia. 230mm)

**STANDARD EQUIPMENTS:**

- \* Cone Bending Device.
- \* Induction Hardened Rolls.
- \* Digital display for both side rollers.
- \* Machine body is steel (St-52) construction.
- \* Separate control panel.
- \* All Rollers mounted in bearings.
- \* Drop end controlled from control panel in order to release easily bent metal sheet and lifted upper rolls. (except machines with top roll diameter 160-190-210)
- \* Movement and parallelism adjustment of the rollers controlled from control panel.
- \* Rolls are driven by three separate hydraulic motor and / or gearbox. (except machines with top roll diameter 160-190-210, bottom rolls are driven by separate hydraulic motors)
- \* Electrical and hydraulic protection against overloads.
- \* Suitable for "CE"

The frames of the machines are of fabricated, welded steel (ST-52) construction. The roll shafts and the materials and bearings used in production are of good (European) quality. Also the torque limit of the machines is very high.

AKYAPAK machines are designed using 3D CAD programmes and all calculations are carefully checked in the analyzing programme by experienced, specialist engineers before production is started. Machines are suitable for 'CE' and all necessary electrical and hydraulic safety precautions are taken by Akyapak.

Spherical bearings are used for the rolls to minimize frictional resistance, which improves the capacity of the machines.

**OPTIONAL & SPECIAL EQUIPMENTS:**

- \* Infinitely variable speed of Rotation
- \* Side and Central Supporters for big sheet metal diameters.
- \* Extended Rolls / Profile Rolls
- \* Material Feed Table
- \* Heat Exchange & Cooling systems

## Technical Informations TEKNİK BİLGİLER

Type Model	Working Length Çalışma Boyu	Max. Thickness Maks. Kalınlık	Pre-Bending Ön Bükme	Top Roll Ø Üst Top Ø	Side Rollers Ø Yan Toplar Ø	Motor Power Motor Gücü	Length Uzunluk	Height Yükseklik	Width Genişlik	Weight Ağırlık	
	mm	mm	mm	mm	mm	kw	mm	mm	mm	kg	
AHK 20/04	2100	6	4	160	180	2.2	3947	1160	1080	2100	min.ø : Top Roll ø x 3 Min.ø : Üst Top ø x 3
AHK 20/06	2100	8	6	190	180	3	3947	1160	1080	2950	
AHK 20/08	2100	10	8	210	190	7.5	3947	1160	1080	3950	
AHK 20/10	2100	13	10	230	210	7.5	4030	1275	1370	4400	
AHK 20/13	2100	16	13	270	250	11	4180	1384	1440	5250	
AHK 20/16	2100	20	16	300	270	15	4442	1630	1620	6900	
AHK 20/20	2100	25	20	330	300	15	4225	1824	1810	8550	
AHK 20/25	2100	30	25	360	330	19	4500	2000	1900	9400	
AHK 20/30	2100	35	30	390	360	22	4835	2174	1930	17000	
AHK 20/35	2100	45	35	410	390	30	5193	2405	2200	19300	
AHK 25/04	2600	6	4	190	170	3	4447	1160	1080	3250	min.ø : Top Roll ø x 3 Min.ø : Üst Top ø x 3
AHK 25/06	2600	8	6	210	190	7.5	4447	1160	1080	4150	
AHK 25/08	2600	10	8	230	210	7.5	4530	1275	1370	5000	
AHK 25/10	2600	13	10	270	250	11	4680	1384	1440	5700	
AHK 25/13	2600	16	13	300	270	11	4942	1630	1620	7650	
AHK 25/16	2600	20	16	330	300	15	4725	1824	1810	9500	
AHK 25/20	2600	25	20	360	330	18.5	4873	1861	1880	11900	
AHK 25/25	2600	30	25	390	360	22	5335	1974	2130	14200	
AHK 25/30	2600	35	30	430	390	30	5500	2150	2150	18650	
AHK 30/04	3100	6	4	210	190	7.5	4947	1160	1080	4350	min.ø : Top Roll ø x 3 Min.ø : Üst Top ø x 3
AHK 30/06	3100	8	6	230	210	7.5	5030	1275	1370	5150	
AHK 30/08	3100	10	8	270	250	11	5180	1384	1440	7000	
AHK 30/10	3100	13	10	300	270	11	5442	1680	1620	8500	
AHK 30/13	3100	16	13	330	300	15	5225	1824	1810	10800	
AHK 30/16	3100	20	16	360	330	15	5373	1861	1880	11900	
AHK 30/20	3100	25	20	390	360	18.5	5835	1974	2130	16260	
AHK 30/25	3100	30	25	430	390	22	6000	2150	2150	20300	
AHK 30/30	3100	40	30	460	420	30	6193	2429	2200	29000	
AHK 30/35	3100	45	35	510	460	45	6300	2800	2500	36000	
AHK 40/04	4100	6	4	270	250	7.5	6180	1384	1440	8000	min.ø : Top Roll ø x 3 Min.ø : Üst Top ø x 3
AHK 40/06	4100	8	6	300	270	7.5	6442	1630	1620	9000	
AHK 40/08	4100	10	8	330	300	7.5	6225	1824	1810	13500	
AHK 40/10	4100	13	10	360	330	11	6373	1861	1880	14500	
AHK 40/13	4100	16	13	390	360	15	6853	1974	2130	18750	
AHK 40/16	4100	20	16	430	390	18.5	7000	2150	2150	23000	
AHK 40/20	4100	25	20	460	420	22	7193	2429	2200	31000	
AHK 40/25	4100	30	25	510	460	30	7300	2800	2500	45000	
AHK 40/28	4100	35	28	540	510	37	7300	2800	2500	54000	

- Data based upon steel 240 N/mm<sup>2</sup> yield point.
- For cone bending, all bending values must be reduced 50%.
- All specifications are subject to change without notice.

- Yukarıda belirtilen değerler 240 N/mm<sup>2</sup> akma sınırı olan çeliğe göre dir.
- Konik kıvrıma için yukarıda belirtilen değerlerin (Konik açısına göre) yarısı baz alınmalıdır.
- Haber vermeksizin verileri de iştirme hakkı saklıdır.