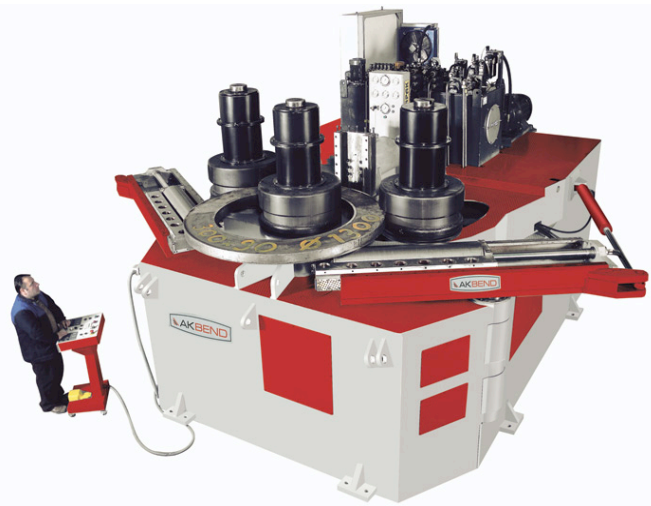


AKYAPAK®

AKBEND®

**APK 180-240-280-300-360
PROFILE BENDING MACHINE**



APK 360 S



APK 240

AKYAPAK, presents extensive alternatives about big sized profile bending machines too.

Our machines are strong and reliable with their St-52 weld construction body. Minimum flexion causes less deformation, by the help of our machines' enlarged roll diameters. By the help of big measurements of bearings, durability and high bending moment can be obtained. Hydraulic cylinders' power enables to bend the bigger parts without any difficulty. Practical and universal rollers creates the possibility of easiness about bending various kinds of profiles, and this feature gives the opportunity of being more powerful and firm.

Our Profile Bending Machines are 3 Rolls driven. This feature allows to have the possibility of making, the high capaciated bending processes, real. Secondly, our 3 Rolls Driven machine minimizes the slip of the materials during the bending process. The two bottom rolls are driven hydraulic and they can make their movements independent from each other. Therefore, in comparison with the machines which are driven from the top roll, our machines' features enhance the ability of operators and give the opportunity to make prebending process on both edges.

Side supporters can move towards three directions, to reduce the deformations and to facilitate bending processes, especially about angles and spirals.

There are private productions up to the customer;s demands on Big Profile Bending Machines, in addition to standard production.

- * The distance between the rolls can be lengthen due to increase the bending capability.
- * Three rolls can be produced as driven by separate reducers and hydraulic motors. (Except APK 360)
- * The movement of bottom rolls and the rotation movement can be done in the same time with some hydraulic arrangements.
- * The bottom rolls', rotation's and side supporters' movements can be arranged according to each other.
- * Placement of the hydraulic tank up to the customer's demand.
- * Assembling the control panel on the machine body.
- * Bottom rolls; movements can be adjusted too slowly for sensitive bendings.
- * The bending speed can be increased.



APK 180



APK 280



APK 360 S

To bend U-I & H profiles without and damaging machine should be equipped with special pulling device

STANDARD EQUIPMENTS:

- * Machine body is steel (St-52) construction
- * On APK 280-240 and APK 180 rolls are driven by hydraulic motor + Planetry gearbox.
- * On APK 360 rolls are driven via 3 separate hydraulic motor
- * On APK 300 top and lower rolls are driven with tow separate planetary gearbox.
- * Variable speed of rotation on APK 180, 240, 280
- * Hardened rolls
- * Shafts made of special steel, hardened and grounded
- * On APK 360-300-280-240-180 guide rolls are hydraulic adjustable
- * Horizontal working
- * Lower rolls hydraulic moveable up and down
- * Digital display for lower rolls
- * Separate and moveable control panel
- * Electrical and hydraulic protection against overloads
- * Manual lubrication
- * 400 Volt / 50 hz
- * Instruction Manual
- * Suitable for "CE"

OPTIONAL & SPECIAL EQUIPMENTS:

- * Special rolls for tubes, profiles and angles
- * Digital display for hydraulic guide rolls
- * Hydraulic adjustable guide rolls in two directions
- * Variable speed of rotation on APK 300, 360
- * Special tooling systems for bending U-I-H profiles
- * Extended shafts (APK-360 except)
- * NC Playback Control System
- * CNC Graphic Control System
- * Digital Readout for profile position indication



ASIA MACHINES

Technical Informations TEKNİK BİLGİLER

PROFILE PROFİLLER		APK 180		APK 240		APK 280		APK 300		APK 360		APK 360 S		Vals Topları Rolls
		Ölçüler ve Cap mm.min ø		Ölçüler ve Cap mm.min ø		Ölçüler ve Cap mm.min ø		Ölçüler ve Cap mm.min ø		Ölçüler ve Cap mm.min ø		Ölçüler ve Cap mm.min ø		
1		150x15	1000	160x20	1600	200x20	3000	200x26	2000	200x26	1600	200x26	1300	A D
2		130x15	1200	150x20	1600	180x16	3000	200x20	2000	200x26	1800	200x26	1500	A D
3		150x15	1200	160x20	1400	200x20	1800	200x26	1800	200x28	1500	200x28	1300	A D
4		130x15	1700	150x20	2000	180x18	2500	200x20	2800	200x30	2300	200x30	2000	A D
5		150x15	1300	160x20	1500	200x20	2000	200x28	1800	200x20	1800	200x20	1800	A D
6		150x35	1000	175x40	1300	200x50	2000	250x60	2000	400x60	3000	450x60 300x90	2500 1300	A
7		250x40	1000	350x50	900	400x60	2000	450x70	1000	650x100	2000	650x120	1700	A
8		90x90	1400	110x110	1500	130x130	2000	150x150	2500	240x240	2500	280x280	2500	A
9		ø 100	1000	ø 130	1600	ø 150	1500	ø 170	1700	ø 260	2000	ø 300	2500	B
10		ø 168.3x7.1	2500	219.1x8.18	2500	273x9.27	4200	323.9x10.31	4200	508x15.1	15500	558.8x15.88	15000	B
11		120x8		150x10		180x12		220x12		400x16		450x20		B
12		UNP 300	1100	UNP 360	1200	UNP 450	2000	UNP 500	2000	UNP1000	4000	UNP1000	3500	B
13		UNP 300	1100	UNP 360	1400	UNP 450	2000	UNP 500	2000	UNP1000	4000	UNP1000	3500	B
14		INP 300	1200	INP 360	1500	INP 450	2000	IPE 500	2000	INP1000	5000	INP1000	5000	B
15		A 180 B 160	1100 1100	A 240 B 200	1500 1500	A280 B 240	2000 2000	A320 B280	2500 2000	A1000 B1000	6000 8000	A1000 B1000	5000 7000	B
16		160x65	10000	200x75	11000	240x85	12000	260x90	10000	UNP400	40000	UNP400	35000	BC
17		IPE 160	3500	IPE 200	5000	IPE 240	10000	IPE 300	13000	INP550	20000	INP550	18000	BC
18		A 120 B 120	3500 2800	A 180 B 160	4500 3200	A200 B 180	9000 3600	A 220 B 200	9600 5200	A550 B500	40000 30000	A550 B500	40000 25000	BC
	Maks. Dayanım Momenti / Max. Section Modulus cm ³	110		320		600		700		4700		5500		
	Motor Gücü / Power KW	15		30		37		64		70		99		
	Vals Topları ø / Rolls ø mm.	460		550		660		740		800		800		
	Mil ø / Shaft ø mm.	180/160		240/220		280/260		300/280		360/360		360/360		
	Bükme Hızı / Bending Speed	0-7 m/min.		0-7 m/min.		0-7 m/min.		7 m/min.		7 m/min.		7 m/min.		
	Ağırlık / Weight kg.	9250		16900		18500		26400		48000		61500		
	Ğ x U x Y / W x L x H mm.	2000x2400x1695		2240x3360x2055		2850x3800x2220		3350x4350x2250		4820x6580x4090		4820x6580x4310		

- Data based upon steel 240 N/mm² yield point.
- All specifications are subject to change without notice.

- Yukarıda belirtilen değerler 240 N/mm² akma sınırı olan çeliğe göredir.
- Haber vermeksizin verileri değiştirme hakkı saklıdır.

EXPLANATION:

A: Standard rolls. Standart vals topları

B: Special rolls. Özel vals topları.

C: Pulling device. Çekirme aparatı.

D: For bending without deformation and for serial production special rolls are requested.

Daha düzgün sonuç ve seri üretimler için özel vals topları.

