CP20 CP30S CP30E CP30PR





Curvatrici

DATA						
Geometry		NON-T	TILTING	PYRAMIDAL		
Shafts diameter	mm	20		30		
Driven rolls		2				
Rolls diameter	mm	86		128		
Dimensions	cm	32x60x44	60x57x81	68x78x125	67x80x125	
Distance between rolls	mm	86		276		
Shafts length	mm	39		74.5		
Max profile width (std rolls)	mm	22.9		44.6		
Section modulus Wt	cm ³	0.9		6.0		
Shafts speed	rpm	12	8.5-17	8.5	8.5-17	
Variable rolling speed		-	2 speed optional	-	2 speed optional	
Cylinder thrust	kg		-			
Working Pressure	bar		-			
Installed power	kW	0.37		0.75		
Approximate weight	kg	60	145	200	238	
Roller position control		GRADUATED ROD	VD3	GRADUATED ROD	VD3	
Torque limiter			-			
Forming block Z-block			-			

CP20 | CP30S | CP30E | CP30PR |

TECHNICAL

STANDARD EQUIPMENT

CP20, manual mechanical adjustment of the pressure roller via screw, with display of the setting on the digital screen integrated into the support base. Rotation control L/R of the shafts through polarity inverter.

CP30S, main switch with release coil and built-in emergency stop. Polarity inverter and dual-speed control, assembled in the supporting base. Mechanical adjustment of the upper roller with position reading on digital display.





CP30E, the profile bending machine is equipped with a foot pedal for L/R rotation control with built-in emergency stop. Mechanical adjustment of the upper roller with position reading on a millimetric rod and graduated protractor.

CP30PR, positioning displayed via display.





FUNCTIONAL FEATURES

The pyramidal bending machine "CP 20" operates with two knurled driving rollers to optimize material traction during the bending process. Once the profile to be bent is positioned between the rollers, move the pressing roller to the desired setting, shown on the digital display, and activate the left/right rotation start of the two driving shafts. In this way, the profile inserted between the rollers will be bent to the required diameter. The machine is supplied with a set of standard rollers (flanges and spacers).



The "CP30S" features mechanical adjustment of the upper roller, with position feedback displayed on a digital screen, and is equipped with two knurled driving rollers. Its load-bearing frame is made of FE 430B steel, while the shafts are crafted from high-strength 38NiCrMo4 steel, hardened and precision ground. The gears are also made of 38NiCrMo4 steel with ground teeth, and the standard rollers are constructed from 20MnCr5 special carbon steel, hardened and ground to a hardness of HRC 58–60. The machine is protected by an impact-resistant die-cast ABS casing and can operate in both horizontal and vertical shaft positions.



The "CP30E" is equipped with two knurled driving rollers and a load-bearing frame made of FE 430B steel. The shafts are made of high-strength 38NiCrMo4 steel, hardened and precision ground, while the gears are also crafted from 38NiCrMo4 steel with ground teeth. Standard rollers are made of 20MnCr5 special carbon steel, hardened and ground to a hardness of HRC 58–60. The machine features an impact-resistant die-cast ABS casing and can operate in both horizontal and vertical shaft positions.



The "CP30PR machine" features a polarity inverter and dual-speed control, both assembled on an independent control panel. The model includes a rotation pedal with an integrated emergency stop and a dual-speed selector. The upper roller can be mechanically adjusted, with position feedback displayed on a digital screen. The machine is equipped with two knurled driving rollers and a steel machine body. The shafts are made of high-strength steel, hardened and precision ground, while the gears are crafted from special steel with ground teeth. Standard rollers are made of special carbon steel, hardened to a hardness of HRC 59–60, and the machine is protected by an impact-resistant die-cast ABS casing.



BENDING CAPACITY

		SIZE		MIN. INTERNALØ		NOTES
	PROFILE	mm	inch	mm	inch	
1		10x2 25x6	3/8x1/16 1x1/4	80 200	3 8	0
2		10x2 45x10	3/8x1/16 1 ^{3/4} x3/8	90 300	3 ^{1/2} 12	
3		12x12	1/2x1/2	110	4 ^{1/2}	0
4		12x12	1/2x1/2	110	4 ^{1/2}	
5		30x10x1.5	1 ^{1/8} x3/8x1/16	400	16	
6		20x20x1.5	3/4x3/4x1/16	250	10	
7		15x15x3 25x25x4	5/8x5/8x1/8 1x1x1/8	100 200	4 8	
8		15x15x3 25x25x4	5/8x5/8x1/8 1x1x1/8	100 200	4 8	
9		25x12x1.5 30x15x4	1x1/2x1/16 1 ^{1/8} x5/8x1/8	140 250	5 ^{1/2} 10	0
10		30x15x4	1 ^{1/8} x5/8x1/8	250	10	0
11		Ø12	1/2	120	5	o
12	600	3/4" GAS	11/16	400	16	•
13	600	10x1.5 30x1.5	3/8x1/16 1 ^{1/8} x1/16	80 500	3 20	0
14		20x20x4	3/4x3/4x1/8	150	6	п
15		20x20x4	3/4x3/4x1/8	200	8	

BENDING CAPACITY

CP30S CP30E CP30PR

		SIZE		MIN. INTERNALØ	NOTES	
	PROFILE	mm	inch	mm	inch	
1		20x5 50x10	3/4x1/4 2x3/8	200 350	8 14	0
2		80x15	3 ^{1/4} x5/8	350	14	0
3		30x30	1 ^{1/4} x1 ^{1/4}	600	24	0
4		30x30	1 ^{1/4} x1 ^{1/4}	600	24	
5		50x30x3	2x1x1/8	600	24	
6		40x40x3	1 ^{1/2} x1 ^{1/2} x1/8	600	24	
7		20x20x3 50x50x6	3/4x3/4x1/8 2x2x1/4	200 400	8 16	
8		20x20x3 50x50x6	3/4x3/4x1/8 2x2x1/4	250 400	10 16	
9		30x15x4 50x38x5	1 ^{1/4} x5/8x1/8 2x1 ^{1/4} x1/4	250 350	10 14	
10		30x15x4 50x38x5	1 ^{1/4} x5/8x1/8 2x1 ^{1/4} x1/4	250 350	10 14	•
11		50x25x5	2x1x1/4	800	32	0
12		Ø30	11/4	600	24	•
13	600	3/8" GAS 1 ^{1/2} " GAS	1/2	150 350	6 14	o
14	600	60x1.5	2 ^{1/2} x1/16	800	40	D
15		40x40x5	1 ^{1/2} x1 ^{1/2} x3/16	350	14	
16		40x40x5	1 ^{1/2} x1 ^{1/2} x3/16	350	14	









