

# HYDRAULIC PROFILE ROLLS

## PBH 360, PBH 300, PBH 240, PBH 180

### STANDARD SPECIFICATIONS:

- 1 set of standard universal hardened and ground rolls (special steel)
- On the PBH 180 & 240: Bottom and top rolls have two separate planetary gear boxes and are hydramotor driven
- On the PBH 300 & 360: All rolls have separate planetary gear boxes and are hydramotor driven
- Hydraulic control of lateral guide rolls in 3 axes (Thrust → / Translation ↑ / Radial ↻) – 6 axes total
- Adjustable turning speed
- Portable control panel with programmable DROs
- Horizontal operation
- Body constructed of stress-relieved steel
- Hydraulic/electrical overload protection
- Bottom roll shafts hydraulically adjusted
- World standard electrical/hydraulic components (parts stocked by us or are available off-the-shelf from your local supplier)
- Compliant with CE norms regulations

### OPTIONS:

- Special rolls for pipe and profiles
- Rolls and tooling for hardway beam/channel bending
- Digital readout for side supports
- NC control system – with or without axis
- CNC control system
- Remote (wired or wireless)
- Anti-deformation apparatus for U-I-H bending
- Spiral bending apparatus
- Custom machines available






















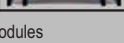

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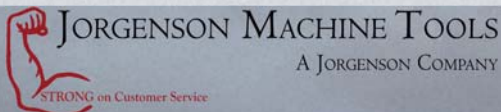
**PBH 180, 240, 300, 360**

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# HYDRAULIC PROFILE ROLLS

Profile Type			PBH 360		PBH 300		PBH 240		PBH 180		Notes
			Dimensions	Min. Internal Dia.	Dimensions	Min. Internal Dia.	Dimensions	Min. Internal Dia.	Dimensions	Min. Internal Dia.	
1	Solid - Square		10" x 10"	104"	6" x 6"	85"	4-3/8" x 4-3/8"	62"	3-1/2" x 3-1/2"	45"	○
2	Flat-Along Edge		12" x 3-1/2"	80"	10" x 2-1/2"	80"	7" x 1 1/2"	47"	6" x 1"	39"	○
3	Solid - Rectangle		25" x 4"	80"	20" x 3"	80"	14" x 2"	38"	10" x 2"	40"	○
4	T Section Leg-Down		8" x 1"	52"	8" x 1"	72"	6" x 3/4"	87"	6" x 5/8"	58"	○
5	T Section Leg-Out		8" x 1"	52"	8" x 1"	72"	6" x 3/4"	94"	6" x 5/8"	56"	○
6	T Section Leg-In		8" x 1"	60"	8" x 1"	105"	6" x 3/4"	115"	6" x 5/8"	67"	○
7	Angle Leg-Out		8" x 8" x 1-1/4"	64"	8" x 8" x 1-1/8"	90"	6" x 6" x 3/4" (1")	63" (105")	6" x 6" x 5/8"	85"	○
8	Angle Leg-In		8" x 8" x 1-1/4"	70"	8" x 8" x 1"	110"	6" x 6" x 3/4" (1")	70" (135")	5" x 5" x 3/4"	85"	○
9	Tubing - Square		16" x 16" x 5/8"	∞	8" x 8" x 3/8"	∞	6" x 6" x 3/8"	∞	5" x 5" x 5/16"	∞	○●
10	Tubing - Rectangle		18" x 8" x 3/8"	∞	8" x 6" x 3/8"	∞	8" x 3" x 5/16"	∞	7" x 2-3/4" x 5/16"	∞	○●
11	Solid - Round		10-1/2"	80"	7"	85"	5"	50"	4"	39"	○●
12	Schedule 40 Pipe		20" SCH 40	598"	12" SCH 40	160"	8" SCH 40	102"	6" SCH 40	70"	●
13	C Section Leg-Out		MC18 x 58#	62"	MC18 x 58#	44"	C15 x 50#	58"	C12 x 30#	48"	○●
14	C Section Leg-In		MC18 x 58#	62"	MC18 x 58#	44"	C15 x 50#	64"	C12 x 30#	52"	○●
15	I Section Leg-In/Out		W36 x 210#	198"	W21 x 93#	86"	W14 x 38#	62"	W12 x 35#	46"	○●
16	I Section Leg-In/Out		W31 x 241#	198"	W12 x 65#	82"	W12 x 50#	62"	W8 x 31#	45"	○●
17	I Section Leg-In/Out		W30 x 211#	145"	W4	36"	W10 x 45#	62"	W6 x 25#	30"	○●
18	C Section Leg-Up		MC18 x 58#	690"	MC12 x 50#	365"	C8 x 18.75#	420"	C7 x 12.25#	345"	▲X
19	I Section Leg-Up/Down		W24 x 118#	1810"	W12 x 35#	512"	W8 x 21#	205"	W6 x 16#	124"	▲X
20	I Section Leg-Up/Down		W16 x 100#	1290"	W10 x 39#	410"	W6 x 25"	152"	W5 x 19#	98"	▲X
21	I Section Leg-Up/Down		W14 x 176#	1100"	W4	84"	W4	82"	W3	42"	▲X
Section Modules			80-290 In <sup>3</sup>		24-45 In <sup>3</sup>		11-20 In <sup>3</sup>		6-10 In <sup>3</sup>		
Shaft Diameters			Ø 14.2", 14.2", 14.2"		Ø 11", 11", 11.8"		Ø 8.7", 8.7", 9.5"		Ø 6.3", 6.3", 7.1"		
Roll Diameters			Ø 32"		Ø 29"		Ø 22"		Ø 18"		
Motor Power			95 HP		85 HP		40 HP		25 HP		
Turning Speed			0-23 Feet/Min.		0-23 Feet/Min.		0-23 Feet/Min.		0-23 Feet/Min.		
Dimensions			225" L x 200" W x 130" H		126" L x 165" W x 100" H		91" L x 78" W x 126" H		95" L x 79" W x 63" H		
Weight			104,000 Lbs.		52,800 Lbs.		35,200 Lbs.		22,000 Lbs.		

Capacity based on mild steel | ∞ Can be changed according to deformation | ○ Standard Rolls | ● Special Rolls | ▲ Special Tools | X Special Support Rolls



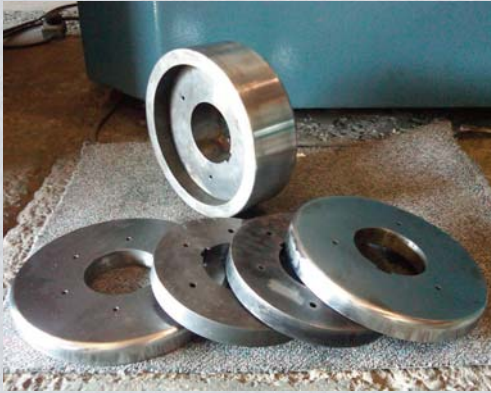
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# HYDRAULIC PROFILE ROLLS



## Standard Universal Rolls / Tooling

for Models:

- PBH 60
- PBH 80
- PBH 100
- PBH 125
- PBH 180
- PBH 240
- PBH 300
- PBH 360

STANDARD ROLLS	STANDARD ROLLS	STANDARD ROLLS	STANDARD ROLLS	STANDARD ROLLS
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STANDARD ROLLS	STANDARD ROLLS	STANDARD ROLLS	SPECIAL ROLLS	SPECIAL ROLLS
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Many More **Special Rolls** Are Available



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