



Ring and profile bending machine

PBH 50 • 65 • 80

Machine for circular bending of metal profiles

- 3 roll drive standard
- 2 hydraulically adjustable bottom rollers



Standard configuration

- ✓ Modular hardened bending rolls
- ✓ Sturdy welded steel construction
- ✓ Mobile control panel
- ✓ Tool kit
- ✓ Digital display (2 axes)
- ✓ Mechanical guide rollers adjustable in 3 axes
- ✓ Operation manual

Cutting

Turning

Milling

Drilling/Boring

Grinding

Sawing

Fabricating
Brakes • Shears • Ironworkers • Rolls • Presses • Other

Optional configuration

- Special dies
- Oil/air cooling
- Infinitely adjustable bending speed
- Hydraulic guide rollers

Specifications		PBH 50	PBH 65	PBH 80
		2" shaft Ø	2.4" shaft Ø	3.1" shaft Ø
Upper roll shaft diameter	mm	Ø50 (2")	Ø60 (2.4")	Ø80 (3.1")
Lower roll shaft diameter	mm	Ø50 (2")	Ø50 (2")	Ø70 (2.75")
Upper roll diameter	mm	Ø152 (6")	Ø180 (7")	Ø245 (9.6")
Side rolls diameter	mm	Ø162 (6.3")	Ø180 (7")	Ø245 (9.6")
Main drive motor	kW	1.1 (1.5 Hp)	3 (4 Hp)	4 (5 Hp)
Bending speed	m/min	4.5 (180"/min)	5 (200"/min)	6 (235"/min)
Dimensions (L/W/H)	mm	810x950x1500 (32x38x59")	820x645x1045 (33x26x42")	950x1400x1300 (38x56x52")
Weight	kg	510 (1,100 lbs)	1000 (2,200 lbs)	1700 (3,700 lbs)
Item No.		9312001	9312003	9312004
Item No. (NC control)			9322003	9322004

No	Model	Profile type	Unit	PBH 50		PBH 65		PBH 80		Scope of supply
				Dimensions	Min. bending diameter	Dimensions	Min. bending diameter	Dimensions	Min. bending diameter	
1			mm	35x35 (1.4x1.4") 15x15 (0.6x0.6")	Ø600 (24") Ø300 (12")	32x32 (1.25x1.25") 12x12 (0.5x0.5")	Ø400 (16") Ø250 (10")	45x45 (1.75x1.75") 15x15 (0.6x0.6")	Ø500 (20") Ø380 (15")	+
2			mm	60x10 (2.4x0.4") 20x10 (0.75x0.4")	Ø600 (24") Ø300 (12")	60x10 (2.4x0.4") 20x5 (0.75x0.2")	Ø500 (20") Ø250 (10")	80x15 (3.1x0.6") 30x10 (1.2x0.4")	Ø700 (28") Ø300 (12")	+
3			mm	100x15 (4x0.6") 50x10 (2x0.4")	Ø600 (24") Ø300 (12")	80x20 (3.1x0.75") 50x5 (2x0.2")	Ø500 (20") Ø250 (10")	125x25 (5x1") 60x5 (2.4x0.2")	Ø600 (24") Ø300 (12")	+
4			mm	UPN 80 (3.1") UPN 30 (1.2")	Ø800 (32") Ø400 (16")	UPN 80 (3.1") UPN 30 (1.2")	Ø600 (24") Ø250 (10")	UPN 100 (4") UPN 30 (1.2")	Ø600 (24") Ø300 (12")	+
5			mm	UPN 80 (3.1") UPN 30 (1.2")	Ø1200 (48") Ø600 (24")	UPN 65 (2.5") UPN 30 (1.2")	Ø600 (24") Ø250 (10")	UPN 100 (4") UPN 30 (1.2")	Ø500 (20") Ø300 (12")	+
6			mm	-	-	60x7 (2.4x0.27") 20x3 (0.75x0.12")	Ø500 (20") Ø250 (10")	80x9 (3.1x0.35") 30x4 (1.2x0.15")	Ø800 (32") Ø300 (12")	+
7			mm	60x7 (2.4x0.27") 30x4 (1.2x0.15")	Ø800 (32") Ø500 (20")	60x7 (2.4x0.27") 20x3 (0.75x0.12")	Ø500 (20") Ø250 (10")	80x9 (3.1x0.35") 25x3.5 (1x0.14")	Ø800 (32") Ø280 (11")	+
8			mm	50x6 (2x0.25") 30x4 (1.2x0.15")	Ø800 (32") Ø500 (20")	50x6 (2x0.25") 20x3 (0.75x0.12")	Ø500 (20") Ø250 (10")	70x8 (2.75x0.3") 25x3.5 (1x0.14")	Ø800 (32") Ø280 (11")	+
9			mm	50x3 (2x0.12") 20x2 (0.75x0.08")	Ø1600 (63") Ø400 (16")	45x3 (1.75x0.12") 20x2 (0.75x0.08")	Ø600 (24") Ø300 (12")	70x3 (2.75x0.1") 25x2 (1x0.08")	Ø1300 (51") Ø400 (16")	⊕
10			mm	70x30x3 (2.75x1.2x0.12") 30x15x2 (1.2x0.6x0.08")	Ø1500 (60") Ø400 (16")	50x25x3 (2x1x0.12") 20x15x2 (0.75x0.6x0.08")	Ø450 (18") Ø250 (10")	80x25x3 (3.1x1x0.1") 25x15x2 (1x1x0.08")	Ø800 (32") Ø350 (14")	⊕
11			mm	Ø35 (1.4") Ø20 (0.75")	Ø600 (24") Ø400 (16")	Ø35 (1.4") Ø10 (0.4")	Ø350 (14") Ø250 (10")	Ø50 (2") Ø15 (0.6")	Ø500 (20") Ø380 (14")	⊕
12			mm	Ø70x2 (2.75x0.08") Ø25x1.5 (1x0.06")	Ø1200 (48") Ø400 (16")	Ø60x2 (2.4x0.08") Ø15x1.5 (0.6x0.06")	Ø600 (24") Ø200 (8")	Ø100x2.5 (4x0.1") Ø15x1 (0.6x0.04")	Ø1200 (48") Ø380 (14")	⊕
13			mm	Ø51x2.8 (Ø2x0.11") Ø1.2x2.3 (Ø0.5x0.09")	Ø1000 (40") Ø300 (12")	Ø51x3.8 (Ø2x0.15") Ø12.7x2.5 (Ø0.5x0.1")	Ø400 (16") Ø200 (8")	Ø76x5 (Ø3x0.2") Ø12.7x2.5 (Ø0.5x0.1")	Ø800 (32") Ø380 (14")	⊕
14			mm	50x50x6 (2x2x0.25") 30x30x3 (1.2x1.2x0.12")	Ø600 (24") Ø400 (16")	60x60x6 (2.4x2.4x0.24") 30x30x4 (1.2x1.2x0.12)	Ø650 (26") Ø350 (14")	80x80x8 (3x3x0.3") 30x30x3 (1.2x1.2x0.12")	Ø800 (32") Ø450 (18")	⊕
15			mm	50x50x6 (2x2x0.25") 30x30x3 (1.2x1.2x0.12")	Ø900 (36") Ø600 (24")	50x50x5 (2x2x0.2") 30x30x4 (1.2x1.2x0.12")	Ø550 (22") Ø350 (14")	70x70x7 (2.75x2.75x0.27") 30x30x3 (1.2x1.2x0.12")	Ø700 (28") Ø450 (18")	⊕
16			mm	-	-	IPN 80 (3.1")	Ø600 (24")	IPN 120 (4.75") IPN 80 (3.1")	Ø600 (24") Ø400 (16")	⊕

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.
Material: St. 37. + = Standard bending rolls. ⊕ = Special-design bending rolls.