

Bridgeport[®]



Attn:
For:
Date:

BPS1 Series

w/Mechanical Sheave Pulley

Vertical Milling Machine

Quotation

Clausing BPS1 Mill Specifications

Table & Ways	Table Size	9" x 49"
	Table Height Above Floor (max)	47.25"
	Table Load	750lbs.
	No. of T-slots	3
	T-slot Width	5/8"
	T-slot Center Distance	2.5"
	Table Ways	Dovetail
	Knee Ways	Dovetail
	Column Ways	Dovetail
Travels	X Longitudinal Table (w/o pwr feed)	36"
	X Longitudinal Table (w/pwr feed)	33"
	Y Cross	12"
	Knee	16"
	Ram	12"
	Throat Distance (min)	6.75"
	Throat Distance (max)	18.75"
	Table to Nose Gauge Line (min/max)	2.5" / 18.25"
Motors & Spindle	Spindle Motor (duty cycle/continuous)	3 Hp / 2Hp
	Amp. Draw 208v.	7
	Amp. Draw 230v.	7
	Amp. Draw 460v.	5
	Speed Range High Range	500-4200 RPM
	Speed Range Low Range	60-500 RPM
	Main Spindle Taper	R8
	Spindle Travel	5"
	Quill Feed (in/rev.)	.0015/.003/.006
Quill Diameter	3.375"	
Capacities	Power Quill Feed	3/8"
	Milling Capacity (mild steel)	2 CI/in
	Boring Range (mild steel)	6" dia
	Spindle Diameter	1.875"
	Feed Rate Range (X,Y)	0.50-35 ipm
	Minimum Increment	0.0001"
Construction & Weight	Floor Area	7 x 10 ft
	Height	87"
	Net Weight	1930 lbs
	Shipping Weight	2075 lbs
	Input Power	208/230/240 Volt 3 Phase, 50/60 hz 4KVA

Standard Equipment

- Patented 2J Head gives unique air cooling for spindle bearings.
- Hardened & Scaped, X, Y & Z Ways
- Scraped gibs for alignment.
- T-slots are ground to provide reference edge for positioning your workplace.
- Hardened & Scraped Table Surface
- Hardened & Ground Spindle
- Chromed & Ground Quill
- Chromed X, Y, & Z Leadscrews
- Double Nut Leadscrew for backlash compensation
- ABEC 7/CP4 Spindle Bearings
- One-piece way wipers
- 7/16"-20 Imperial Drawbar R8
- 3 / 2 Hp AC Motor (3Hp 30 minute duty/ 2Hp continuous)
- Variable Speed Drive
- Articulating Head for Compound Angles
- Worm gear angular positioning of head in two directions
- Lever-operated manual rapid quill movement
- Handwheel for fine quill feed
- Adjustable automatic feed disengagement for quill feed in both directions
- Micrometer depth stop
- Reversing switch for clockwise or counter clockwise operation
- R8 Spindle taper
- Spindle Brake (Hand operated)
- One-shot lubrication
- Leveling bolts and pads
- Tool Kit, Test and Accuracy Chart
- Operations Manual/Parts List
- Series 1 Standard 208/230 or 460 3 Phase (other voltages require a transformer)

Investment

Clousing BPS1 w/Mechanical Sheave Pulley Drive

BPS1R08 VS Mill, 9" x 49", R8 Spindle, 3 Hp	\$ 20,800.00
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Available Accessories

R8 Spindle Accessories Only

2VS020-1	R8 Milling Chuck Kit w/11 ER Collets	\$ 690.00
Z384-SET-1	R8 Metric Set 2mm by 1mm, 19 Collets	365.00
Z384-SET-5	R8 Inch Collet Set 1/8 to 7/8 by 32nds, 25 Collets	1,030.00
Z384-SET-6	R8 Inch Collet Set 1/8 to 7/8 by 1/16ths, 13 Collets	275.00
Z384-SET-7	R8 Inch Collet Set 1/8 to 3/4 by 1/8ths, 6 Collets	150.00
FV-9031G	R8 to J2 Arbor for FV-9030G	170.00
FV-9033G	R8 to J6 Arbor for FV-9032G	170.00
FV-9041G	12pc. R8 Collet Rack	60.00
FV9050G	1/2" R8 Shell Mill Holder	100.00
FV-9051G	3/4" R8 Shell Mill Holder	150.00
FV-9052G	1" R8 Shell Mill Holder	100.00
FV-9080G	R8 End Mill Adapter Set 3/16-1 1/4 (8 pcs.)	320.00
BPS031	Right Angle Attachment (only no support or arbor)	2,170.00
BPS8408	Air Power Draw Bar R8 (US MFG)	1,185.00
	Drawbar Installation	\$ 200.00 NET
BPS001	Coolant Chip Pan	\$ 570.00
BPS-ENCOL	Enclosed Base Coolant System w/On-Off Switch	700.00
BPS040	4" Column Riser Block Series 1	640.00
BPS041	6" Column Riser Block Series 1	690.00
BPS042	8" Column Riser Block Series 1	750.00
2VS002A	Central 110v Wiring Point w/6 Plugs & 8' Power Cord	265.00
2VS010	52 Piece Clamping Kit	195.00
BPSX150	X-Axis Servo Feed (USA MFG)	1,415.00
BPSY150	Y Axis Servo Feed (USA MFG)	1,740.00
BPSK140	Knee Servo Feed (USA MFG)	1,580.00
FV-9010G	Kurt 6" Vise Only	1,025.00
FV-9011G	Kurt 6" Swivel Base for FV-9010G	730.00
FV-9012G	Vise Step Key Kit 11/16 x 5/8 (set of 2)	95.00
FV-9030G	1/2" Keyless Drill Chuck	230.00
FV-9032G	1/8" to 5/8" Keyless Drill Chuck	240.00
FV-9070L	LED Work Light w/3Pin 110V Plug	215.00
CS-9062	Coolant Mist System 1 Gal	1,020.00

DRO Kits

49" TABLE

AR13-35-200M	2 Axis 9"x 49" TBL Acu-Rite 200 DRO	\$ 2,595.00
AR4-13-35-200M	3 Axis w/Spindle 9"x 49" TBL Acu-Rite 200 DRO	3,120.00
AR4-13-35-300M	3 Axis w/Spindle 9"x 49" TBL Acu-Rite 300 DRO	3,565.00
AR13-35-16200M	3 Axis w/Knee 9"x 49" TBL Acu-Rite 200 DRO	3,495.00
AR13-35-16300M	3 Axis w/Knee 9"x 49" TBL Acu-Rite 300 DRO	3,940.00

Clousing Vertical Milling Machine

Bridgeport 1 Mills

AR4-13-35-16300M 4 Axis w/Knee 9'x 49" TBL Acu-Rite 300 DRO

4,570.00

NOTE: Acu-Rite edge finder requires 300 DRO kits

DRO 2 Axis Installation	\$ 350.00 NET
DRO 3 Axis Installation	\$ 500.00 NET
DRO 4 Axis Installation	\$ 650.00 NET

Warranty

Clousing warrants the machine and control for a period of one year from the date of installation. This warranty does not cover normal wear items such as filters and belts or damage that results from the misuse or abuse of this equipment.

Terms

Validity: Quotation valid 30 Days

FOB: Kalamazoo, Michigan or Point of Shipment

Delivery: _____ weeks from receipt of order subject to prior sale.

Due to continual improvements, prices and specifications subject to change without notice.