



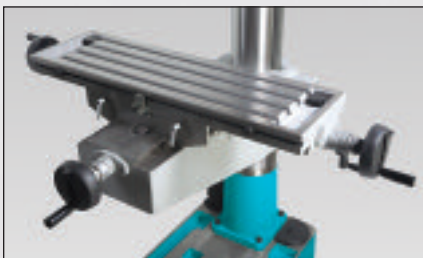
Series Z Belt-drive Round-column Drills

*With Manual, Mechanical Clutch or
Electromagnetic Clutch Feed Control*

Select the Z series electronic variable speed belt-drive Industrial Drilling Machine that is right for the job. SZ models are equipped with manual feed, AZ models are equipped with a mechanical clutch automatic feed control and the BZ models are equipped with electromagnetic automatic feed control.

Standard Features and Equipment:

- Drilling capacity in steel: up to 1.57" (40mm) maximum
- Drilling capacity in cast iron: up to 1.77" (45mm) maximum
- Tapping capacity in steel: up to 1.30" (33mm) maximum
- Tapping capacity in cast iron: up to 1.54" (39mm) maximum
- Automatic feed reversing system for tapping
- Digital rpm counter
- Machine base with 2 T-slots, coolant tank and pump
- Large rotating worktable with 3 T-slots,
- Feed crank wheel for manual feed
- Depth scale and adjustable depth stop
- Automatic tool ejector
- Spindle reversing switch
- Work Light
- Built-in low voltage electrical equipment in machine head
- Emergency STOP
- Drill guard with microswitch



*Optional MCC-ZX
15" x 8.7" cross
slide table For
model Z34*



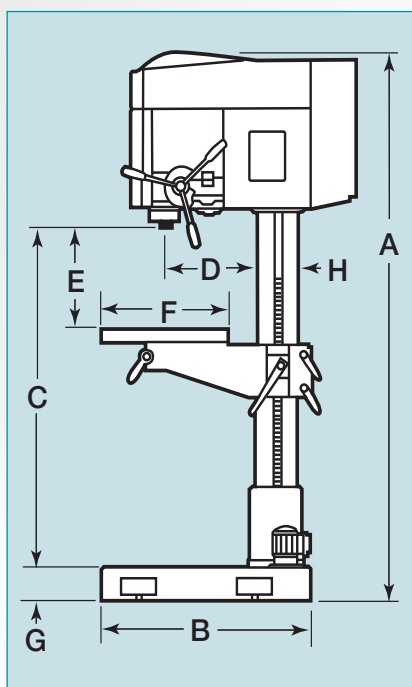
*Optional MGM
rotating table with
3 T-slots on one side
and a vise on the
other for model Z34*



AZ-40

Capacities, Specifications and Dimensions

Standard Models	SZ/AZ/BZ34	SZ/AZ/BZ40
Capacities:		
Maximum drilling capacity in steel	1.34" (34mm)	1.57" (40mm)
Maximum drilling capacity in cast iron	1.57" (40mm)	1.77" (45mm)
Maximum tapping capacity in steel	1.06" (27mm)	1.30" (33mm)
Maximum tapping capacity in cast iron	1.30" (33mm)	1.54" (39mm)
Specifications:		
Spindle taper	3MT	3MT
Quill diameter	2.95" (75mm)	2.95" (75mm)
Spindle travel (drilling depth)	5.9" (150mm)	7.09" (180mm)
Main motor power	3 Hp (2.2Kw)	4 Hp (3Kw)
Coolant pump motor power	.1 Hp (.07Kw)	.1 Hp (.07Kw)
Spindle speeds (electronic variable speed)	100-2000 rpm	100-2000 rpm
Number of automatic feeds	3	3
Auto feed range: in./rev. (mm/rev)	.0039/.0079/.0118 (0.1-0.2-0.3)	.0039/.0079/.0118 (0.1-0.2-0.3)
Dimensions and Weights		
Height (A)	76.5" (1945mm)	76.8" (1950mm)
Base: Length x Width (B)	29.1" x 16.2" (740 x 412mm)	31.5" x 18.8" (800 x 476mm)
Base to spindle (C)	48.4" (1230mm)	48.4" (1230mm)
Spindle center to column (D)	11.81" (300mm)	13.78" (350mm)
Spindle to Table (E)		
Minimum	1.97" (50mm)	1.97" (50mm)
Maximum	28.5" (725mm)	27.2" (690mm)
Worktable: Length x Width (F)	15.75" x 18.9" (400 x 480mm)	18.9" x 22.05" (480 x 560mm)
Base height (G)	4.72" (120mm)	4.72" (120mm)
Column diameter (H)	4.92" (125mm)	5.91" (150mm)
Net weight	794 lbs (360Kg)	1,014 lbs (460Kg)
Shipping weight	904 lbs (410Kg)	1,124 lbs (510Kg)
Shipping dimension (L x W x H)	92" x 24" x 42" (2.34x.61x1.06m)	92" x 24" x 42" (2.34x.61x1.06m)



Standard motor: 1800 rpm

Model	Spindle speeds (rpm)
AZ34	Electronic Variable: 100-2000 rpm
AZ40	Electronic Variable: 100-2000 rpm

Optional spindle motors

Motor	Speed range
1800-3600 rpm	340-4140 rpm

Standard Fixed Table Models

Model	Description (Dimension see page 21)
1SZ-34	23.6" (600mm) drill with Fixed Table and Tapping System
1AZ-34	23.6" (600mm) drill with Fixed Table and Tapping System
1BZ-34	23.6" (600mm) drill with Fixed Table and Tapping System
1SZ-40	23.6" (600mm) drill with Fixed Table and Tapping System
1AZ-40	23.6" (600mm) drill with Fixed Table and Tapping System
1BZ-40	23.6" (600mm) drill with Fixed Table and Tapping System

"RS" models are equipped with automatic feed reversing system for tapping.



The A/BZ34/40 are equipped with a 3 feed rate, Mechanical Clutch Automatic Feed Control, the feed rate is easily selected by the Feed Selector



All Z34/40 are equipped with an Electronic Variable Speed Drive with a Digital Display on front of the headstock