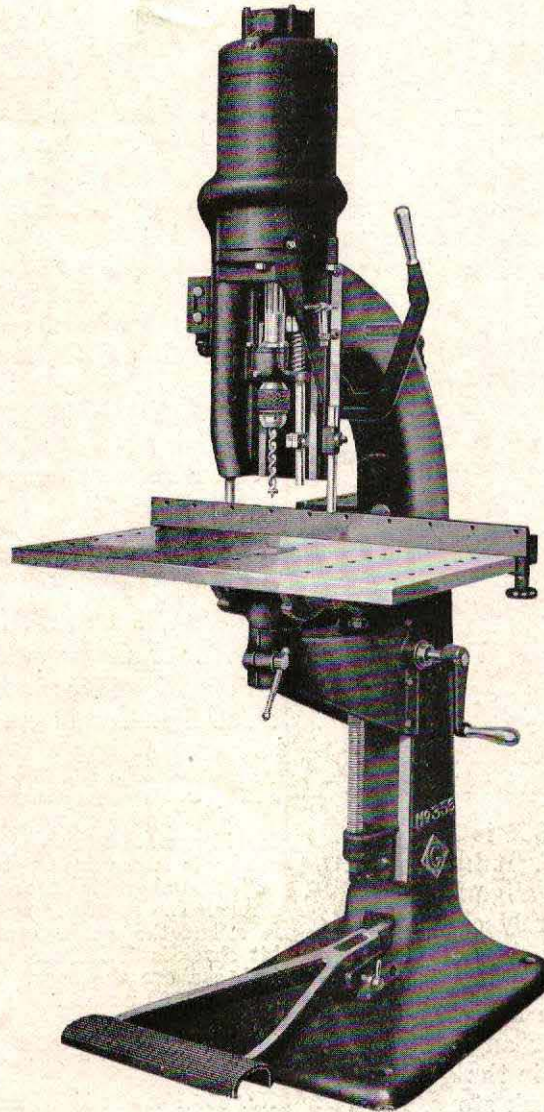


Greenlee

NO. 356 ELECTRIC SINGLE-SPINDLE BORER



Greenlee
BROS. & CO. 
ROCKFORD, ILLINOIS, U.S.A.

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NO. 356 ELECTRIC SINGLE-SPINDLE BORER

THE design of this borer eliminates all belts and gears and provides accuracy and ease of operation. It is an ideal general-purpose machine for various products and its field of usefulness is in no way restricted.

Frame The frame of the No. 356 Borer is a one-piece casting. It is well proportioned for rigidity and boring convenience, and the base is wide spread and heavy, making the machine perfectly stable.

Spindle The spindle runs in a thrust and supporting ball bearing, which is mounted directly above the bit chuck, and which is carried on a slide moving in planed ways. Since the bearing and slide move with the spindle, perfect support is provided in all positions.

The upper end of the spindle has ten milled splines and slides in a broached sleeve within the motor. This construction permits mounting the motor in a stationary position and makes the feeding movement exceedingly free and easy. The standard bit chuck is of the self-centering type with capacity for shanks up to $\frac{5}{8}$ -inch diameter. Special clusters for boring more than one hole at a time can be furnished.

Table The table for the No. 356 is 30 inches long by 22 inches deep. It has a back fence with adjustment for any alignment over the entire surface and is securely clamped in place by a quick-acting screw clamp at both ends. Screw vertical adjustment is had by a hand crank, and the pivot and cradle mounting permit tilting in any direction for angle boring. A number of holes are provided in the table and fence for fastening forms or work stops.

Feed The machine has a foot-feed lever for the boring spindle and an auxiliary hand lever for use when desired. Three fulcrum positions on the foot lever provide adjustment for changing the leverage and also the amount of

spindle travel in proportion to the movement of the foot lever. Only slight foot pressure is required on the lever to operate the spindle. Absolute accuracy in the length of the spindle stroke and depth of boring is provided for by means of a lug on the spindle supporting slide, which engages two adjustable stops.

Motor The motor is a 3600-R.P.M., shaftless, alternating type, regularly stocked for 220 or 440 volt current. It is fully enclosed by the housing at the frame top and has a built-in blower for forced ventilation. A pipe connection directs the air blast to the work for chip removal. Push-button control is furnished and the starter has overload relays instead of fuses. All wiring is enclosed in conduit.

A 3-H.P., 3600-R.P.M., motor is standard for the No. 356 Borer. It can be furnished with a 5-H.P., 3600-R.P.M. motor; a 3-H.P., 1800-R.P.M.; or a two-speed motor, 3600/1800-R.P.M. Ball bearings for the motor sleeve make the machine light running and provide long life.

Range The No. 356 Borer has sufficient range for the requirements of a single-spindle borer in furniture, radio cabinet, or similar work. It will operate bits up to $1\frac{1}{2}$ -inch in hard wood, and its stroke is adjustable up to 10 inches. The bit chuck is 42 inches above the floor at the bottom of its maximum stroke. The spindle center is 16 inches from the frame face, and the maximum distance from the table to the bit chuck is 25 inches. The table adjusts from 26 to 41 inches above the floor. The No. 356 Foot-Feed Borer weighs 1000 pounds.

Codes for No. 356 Borer

No. 356 Foot-Feed Borer with 3-H.P., 3600-R.P.M. motor.....	DEHEL
For 5-H.P., 3600-R.P.M. motor on above borer, add	DEHON
For 3-H.P., 1800-R.P.M. motor, add.....	DEHYS
For a 2-speed, 3-H.P., 3600-R.P.M. and $1\frac{1}{2}$ -H.P., 1800-R.P.M. motor, add.....	DEJAL

GREENLEE BROS. & CO., ROCKFORD, ILLINOIS, U. S. A.

*Machinery for Planing, Shaping, Mortising, Tenoning, Boring and Sawing
Tools for Mortising, Boring and Routing*