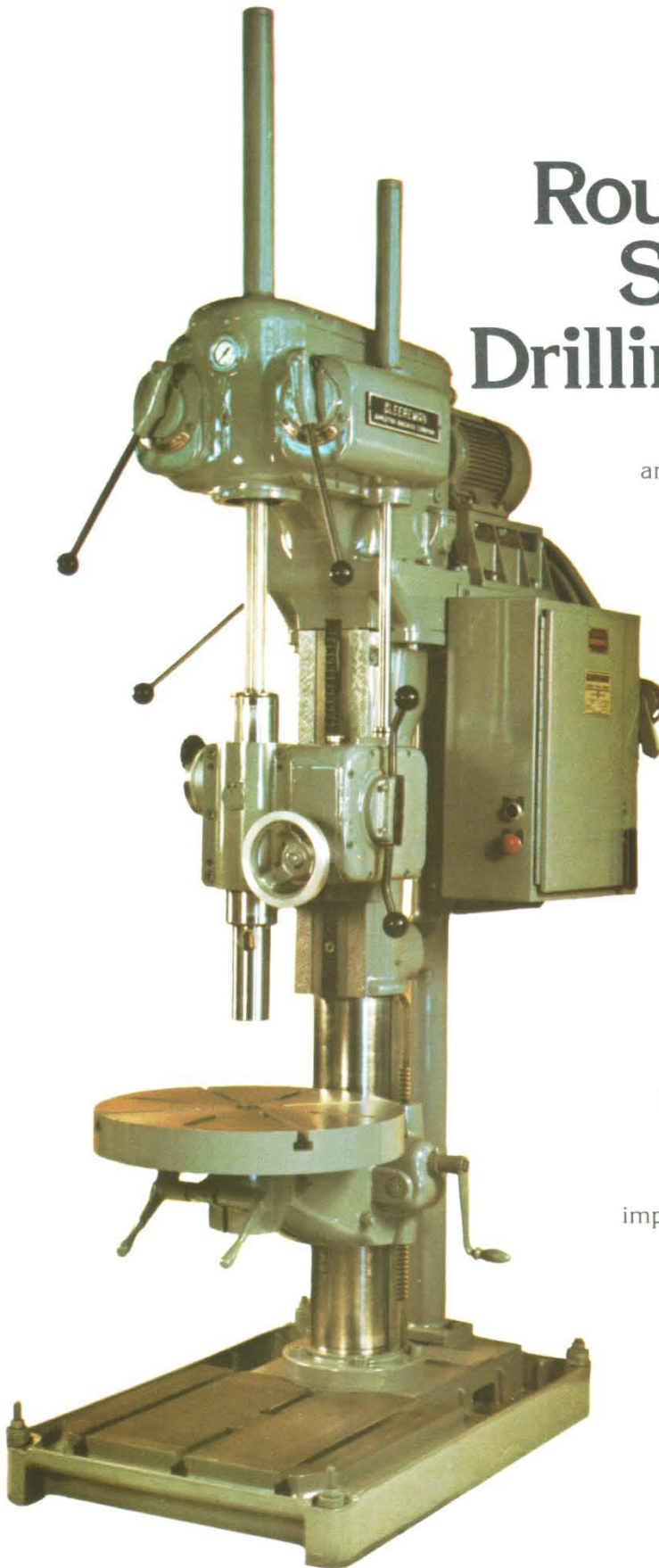


Round Column Sliding Head Drilling Machine



Performance, accuracy and versatility are built-in characteristics of Cleereman Sliding Head Drilling Machines. A

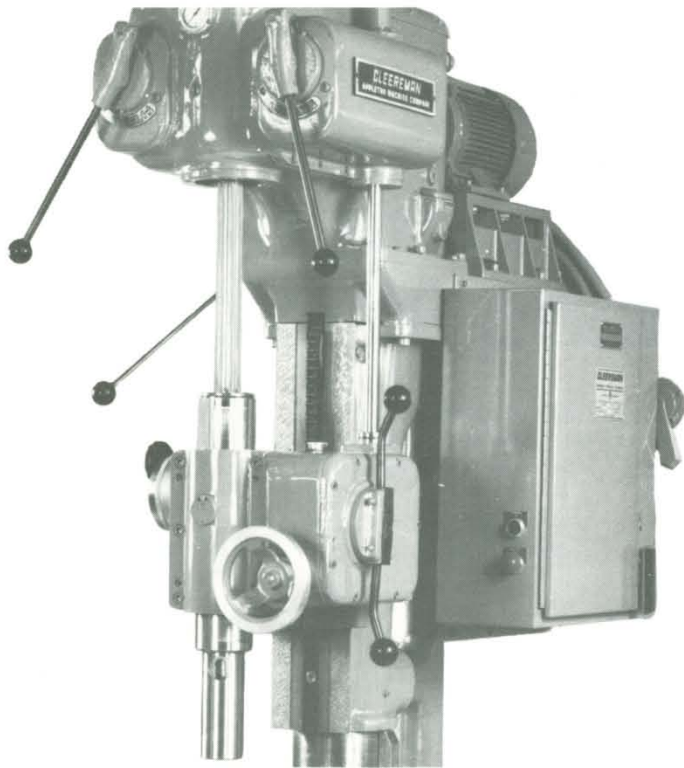
long and careful study of the application and operation of drilling machines on a wide range of difficult work has resulted in a modern design capable of the highest efficiency. This proven machine features a one piece cast column, swinging round T-slotted table with adjustable heights, machined working surfaces and T-slots in base for large work pieces.

- Unit construction throughout provides simplified design and eliminates complicated mechanisms.
- Carefully grouped operating controls, clamps and positioning cranks provide fast, easy operation.
- Quick positioning of table and sliding spindle head increase efficiency.
- The wide range of adjustment means a variety of work is easily handled.
- Spindle speeds range from slow boring to fast reaming rates.
- Gear driven IPR feed provides accurate control of feedrates.
- Generous way areas are accurately finished and lubricated to insure long life.
- The spiral bevel geared final drive assures a smooth rugged impulse-free flow of power to the spindle.

For factory direct parts and service contact us at the address below.

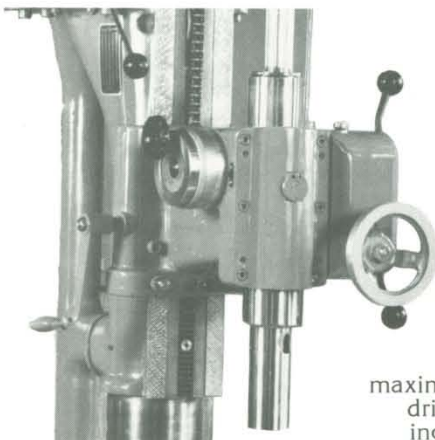
Chas. G. Allen Inc.
25 Williamsville Road
Barre, MA 01005
Tel: (978) 355-2911
Fax: (978) 355-2917

Round Column Sliding Head Drilling Machine



SLIDING HEAD

Sturdy sliding head is mounted on generous, accurately scraped dovetail column ways. Precision alignment allows movement of the head from one extreme to the other without impairing accuracy. Counter-balancing weight inside column allows quick, easy positioning of head and spindle.



SPINDLE

Alloy steel spindle and quill with removable fully capped quill bearing assure extra long operating life. The alloy steel spindle shaft has 19 involute splines to give maximum bearing area in the drive bushing and provide increased torque capacity.

SPINDLE SPEED TRANSMISSION

Exclusive design features involute splined and ground alloy steel shafts, mounted on anti-friction bearings. Helical motor drive gears, shaved alloy steel intermediate gears and spiral bevel geared final drive assures a smooth, impulse-free flow of power to the spindle.

SPECIFICATIONS:

CLEEREMAN DC ROUND COLUMN SLIDING HEAD DRILLING MACHINE

SINGLE SPINDLE MACHINES

| | 25" Swing Machine | 30" Swing Machine |
|---|--|-------------------|
| Center Spindle to Lower Column | 12½ | 15 |
| Center Spindle to Upper Column | 11½ | 14 |
| Swing in Plane of Table | 25 | 30 |
| Maximum Distance Spindle to Base | 46 | 48 |
| Minimum Distance Spindle to Base | 16 | 18 |
| Maximum Distance Spindle to Table | 31 | 31 |
| Minimum Distance Table to Floor | 19½ | 22½ |
| *Spindle Travel by Power | 12 | 12 |
| *Spindle Travel by Hand | 12½ | 12½ |
| **Adjustment of Sliding Head | 18 | 18 |
| Vertical Adjustment of Table | 17 | 15 |
| Spindle Nose — Diameter and Length | 2⅞x5⅞ | 2⅞x5⅞ |
| Morse Taper Hole in Spindle (Larger available) | No. 4 | No. 4 |
| Least Diameter of Spindle | 1.650" | 1.650" |
| Spindle Quill Diameter | 3⅞ | 3⅞ |
| Working Surface of Table (Dia.) | 23 | 28 |
| Working Surface of Base | 21x23½ | 23x24 |
| Height of Base | 4½ | 5½ |
| Diameter of Round Column | 7 | 8½ |
| Feeds in Thousandths per Revolution | 5-7-9-13-15-17-20-32-45 | |
| Special higher or lower feed ranges on application | | |
| Standard Speeds | | |
| 2 Ranges Available, State Choice | #1: 50-62-85-110-150-190-265-345-440-550-775-1000, #2: 75-92-130-170-230-285-400-520-665-825-1160-1500 | |
| Special higher or lower speed ranges on application | | |
| Horsepower | 5 or 7½ | 5 or 7½ |
| Height Overall | 9'-0" | 9'-3" |
| Floor Space | 28½x58 | 28½x58 |
| Net Weight, Lbs. | 2950 | 3450 |
| Crated Weight, including Electrical Equipment, Lbs. | 3350 | 3900 |
| Box Size — Export | 36"x60" x96" high | 40"x60" x96" high |
| Cubic Feet — Boxed for Export | 120 | 134 |
| Gross Weight — Boxed for Export | 3650 | 4250 |

*Spindle Travel reduced 4½" when using lead screw tapping attachment.
**Sliding Head Travel reduced by 2½" when using an auxiliary feed gear box.

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