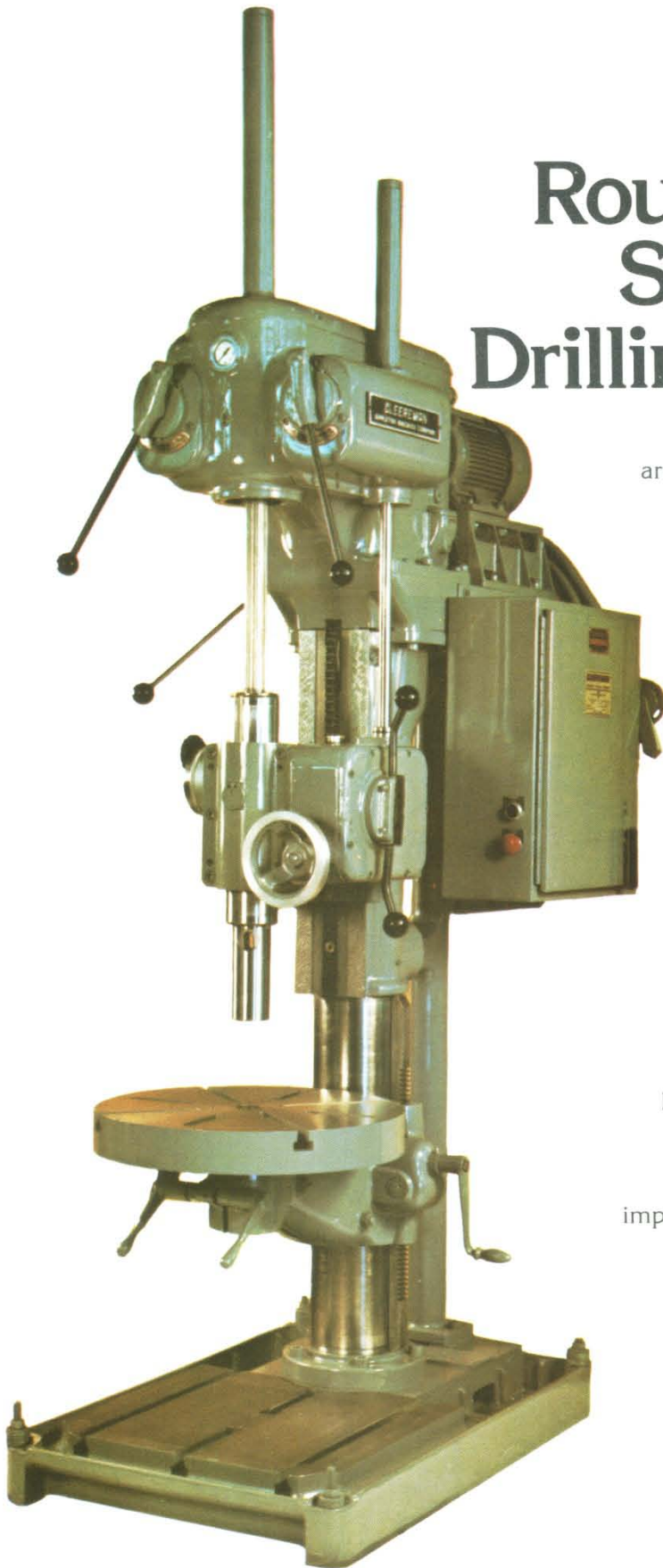


# Round Column Sliding Head Drilling Machine



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

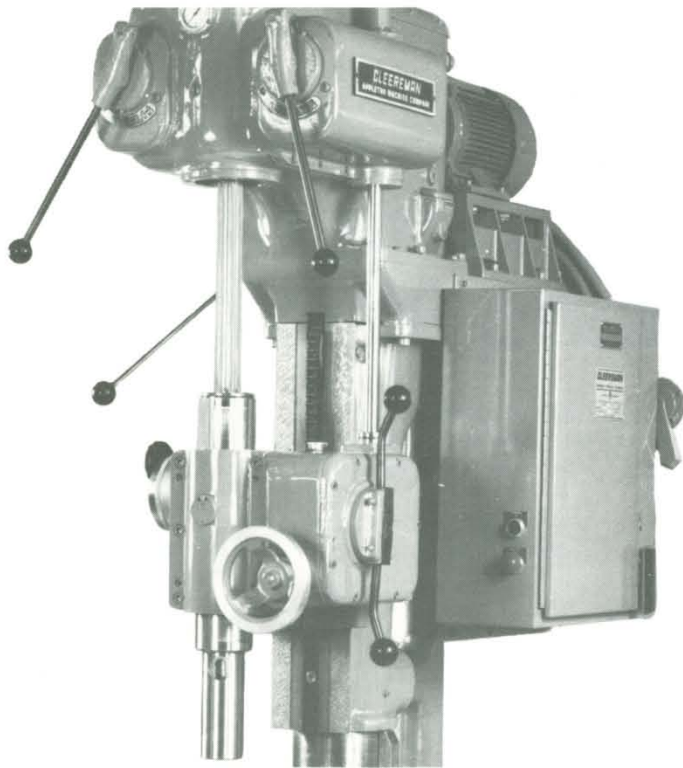
long and careful study of the application and operation of drilling machines on a wide range of difficult work has resulted in a modern design capable of the highest efficiency. This proven machine features a one piece cast column, swinging round T-slotted table with adjustable heights, machined working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

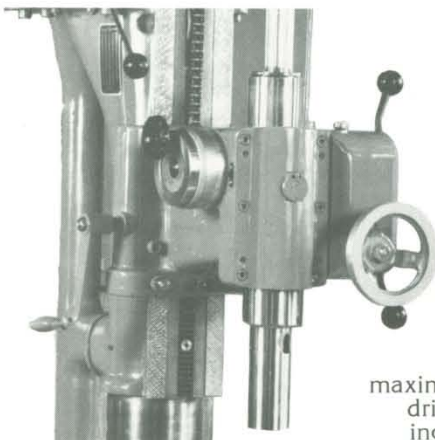
Chas. G. Allen Inc.  
25 Williamsville Road  
Barre, MA 01005  
Tel: (978) 355-2911  
Fax: (978) 355-2917

# 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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