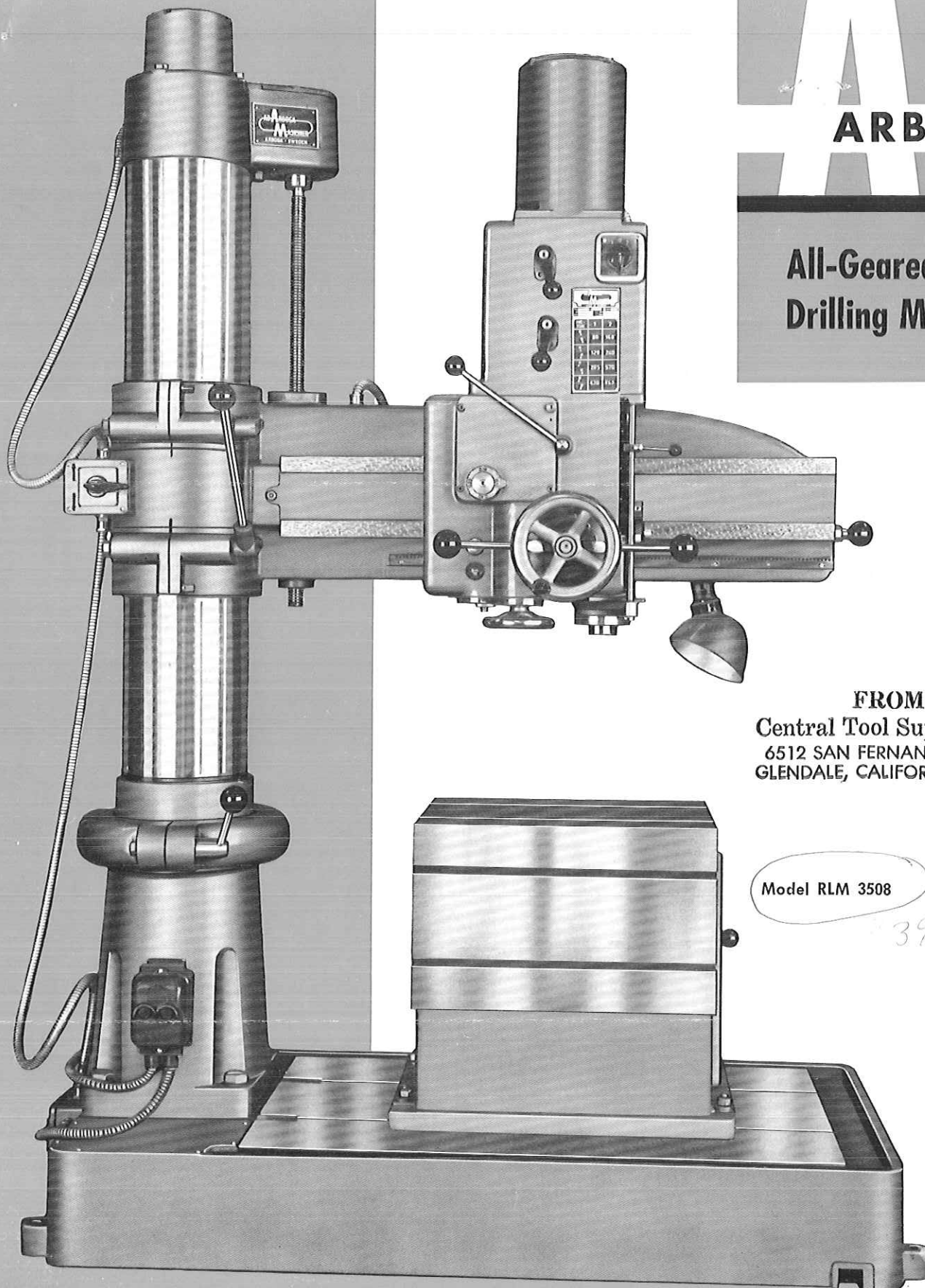


**ARBOGA**

**All-Geared Radial Drilling Machines**



**FROM**  
**Central Tool Supply, Inc.**  
 6512 SAN FERNANDO ROAD  
 GLENDALE, CALIFORNIA 91201

Model RLM 3508

3925.00

Five types of ARBOGA all-gear-  
 ed Radial Drilling Machines are  
 available, all designed with a  
 view to simplicity, low price  
 and suitability for the majority  
 of drilling operations.

*Sterling*

**AB ARBOGA**  
**MASKINER**

[www.SterlingMachinery.com](http://www.SterlingMachinery.com)

**ARBOGA**  
**SWEDEN**



## ALL-GEARED RADIAL DRILLING MACHINES

*stock price less 20*

*3700  
220 FLT  
3920 FOB Los  
Angeles*

*2600  
180  
2780*

*1625*

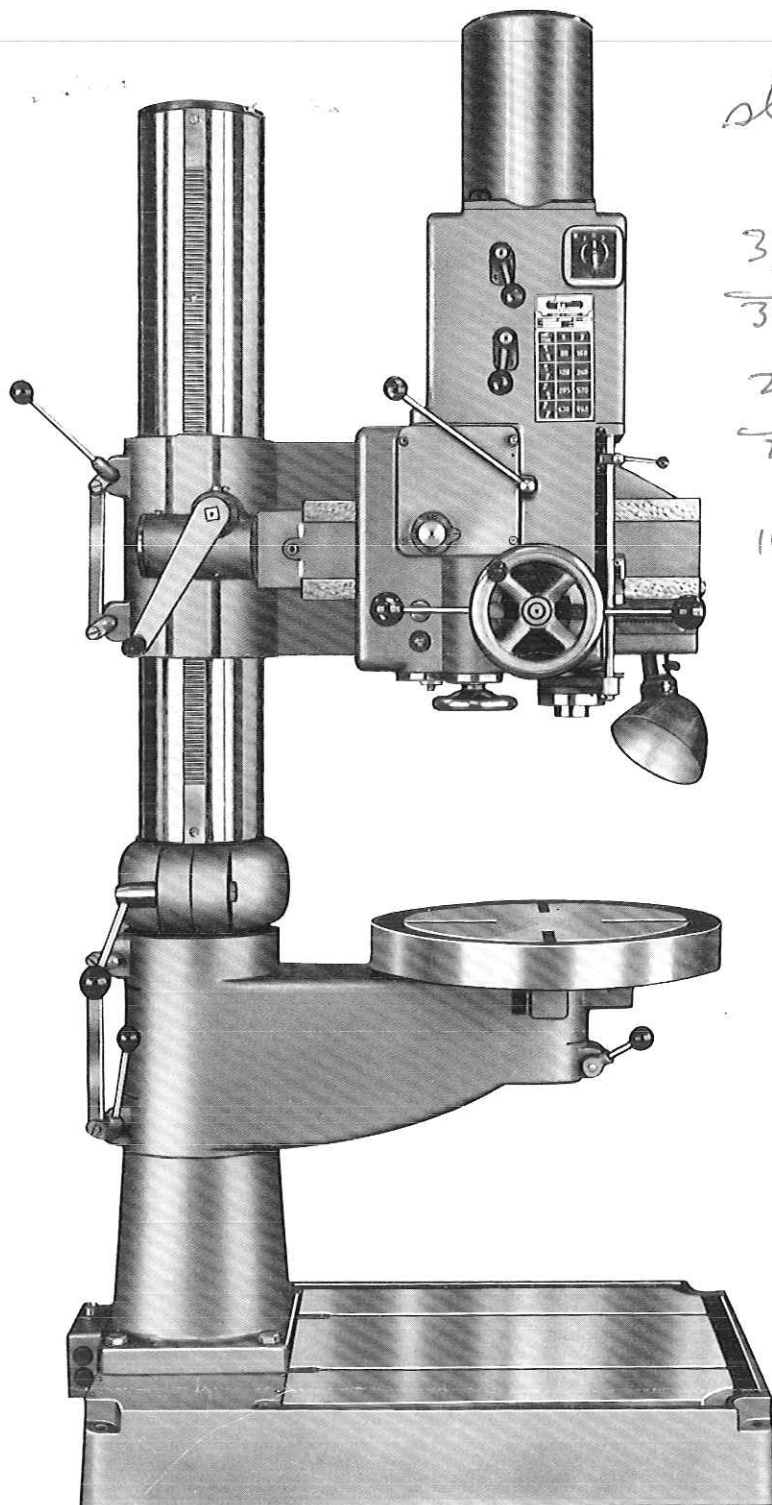
RLM 3508

RM 3508

ER 125

ER 125 S

ER 825



Model RM 3508

### Models RLM 3508 and RM 3508

These machines equipped with the same type of drilling head have a drilling capacity of  $1\frac{3}{8}$ " in steel of 30 to 40 Tons per sq. in. tensile strength and  $1\frac{5}{8}$ " in cast iron of approx. 200 Brinell hardness. These values are in both cases obtained at the spindle speed of 170 r. p. m. and at the feed of .010" per revolution.

The machines are available for use on 3-phase A. C. supplies only, and as they are fitted with twospeed pole-change motors and can be used only on the supply voltage for which the motors are wound it is of utmost importance that precise details of the supply voltage be given when ordering.

The gearbox provides four different gear combinations and, when combined with the use of the twospeed motor, eight spindle speeds are obtained. The eight spindle speeds obtainable from the standard machines are those indicated in the table on the next page, but, if desired,

The machines are of robust construction and very rigid in operation, even when drilling is carried out with the drill head at the maximum radius from the column. All controls are located centrally, in order to ensure ease of operation and to contribute to speed of operation.

All five types are equipped with the patented TELL Drill Ejector, which obviates entirely the use of the usual drill drift for the purpose of removing the drill from the spindle socket.

The TELL Drill Ejector, being integral with the drilling spindle, cannot possibly be mislaid and enables the drill to be released by a light hand movement.

The standard equipment furnished with each machine includes the provision of a starter furnished with thermal overload protection for the motor.

the machines can be supplied with a range of spindle speeds either higher or lower than those indicated in the table. The automatic power feed provides four rates of power feed per revolution of drill spindle, viz. .004" to .016". A depth gauge, graduated in inches and furnished with an adjustable stop, is provided for drilling to pre-determined depths and the power feed is automatically disengaged when the drill has reached the desired depth. The all-g geared drill-head unit is mounted on rollers for traversing along the radial arm.

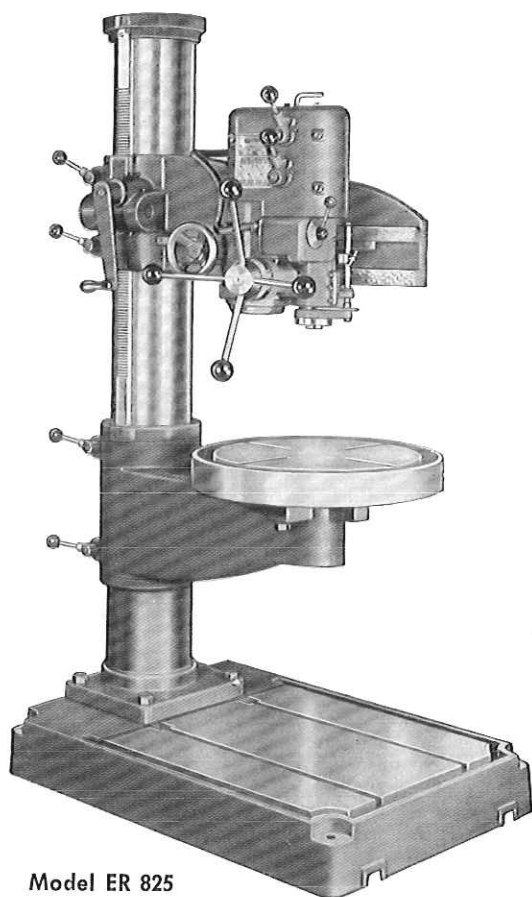
The radial arm is mounted on Ball Bearings and can easily be swivelled on the main column of the machine. The motor-driven elevating gear for raising and lowering the arm on the model RLM 3508 is furnished with a safety stop.

On the model RM 3508 the radial arm is raised and lowered manually.

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Machinery Engineering

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Model ER 825

### Models ER 125, ER 125 S and ER 825

The Radial Drilling Machines models ER 125 and ER 125 S can be supplied with motors wound for use on 3-phase or single-phase alternating-current and also for direct current, but the model ER 825, which is furnished with a pole-change 2-speed motor, can be supplied only for use on 3-phase alternating-current supply.

When ordering the latter type of machine, it is essential that the precise voltage of the supply be clearly stated on the order for, unlike the drilling machines furnished with single-speed 3-phase motors, which can be connected in the Delta position for low-voltage 3-phase current and in the Star position for high-voltage 3-phase current, the model ER 825 with 2-speed motor cannot be so adapted. The all-g geared drill head units with which these Radial Drilling Machines are equipped correspond to the bench and pillar machines models E 100 and E 100 S and E 825, as described in leaflet No. 8.

All movements of the spindle quill, as well as the positioning of the all-g geared-head drill unit on the radial arm, are carried out manually.

The table, which rotates on its own axis, is mounted on an arm of most robust construction, which is mounted on the main column of the machine. The table and arm can be swivelled through 360°, thus enabling work of a large nature to be clamped direct to the Tee-slotted machined baseplate.

SPECIFICATION	RLM 3508	RM 3508	ER 125	ER 125 S	ER 825
Maximum distance spindle centre to column face ..	39 <sup>3</sup> / <sub>4</sub> "	24 <sup>3</sup> / <sub>8</sub> "	25"	25"	25"
Minimum distance spindle centre to column face ..	14 <sup>5</sup> / <sub>8</sub> "	14 <sup>5</sup> / <sub>8</sub> "	10"	10"	10"
Maximum distance spindle nose to baseplate ....	46 <sup>1</sup> / <sub>4</sub> "	53 <sup>3</sup> / <sub>4</sub> "	53 <sup>1</sup> / <sub>2</sub> "	53 <sup>1</sup> / <sub>2</sub> "	53 <sup>1</sup> / <sub>2</sub> "
Minimum distance spindle nose to baseplate ....	20"	25 <sup>5</sup> / <sub>8</sub> "	20 <sup>3</sup> / <sub>4</sub> "	20 <sup>3</sup> / <sub>4</sub> "	20 <sup>3</sup> / <sub>4</sub> "
Height of working surface of table above baseplate	19 <sup>5</sup> / <sub>8</sub> "	23 <sup>1</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>4</sub> "
Working surface of table .....	19 <sup>5</sup> / <sub>8</sub> " × 15 <sup>3</sup> / <sub>4</sub> "	Ø 19 <sup>5</sup> / <sub>8</sub> "	Ø 19 <sup>5</sup> / <sub>8</sub> "	Ø 19 <sup>5</sup> / <sub>8</sub> "	Ø 19 <sup>5</sup> / <sub>8</sub> "
Lateral surface of table .....	19 <sup>5</sup> / <sub>8</sub> " × 11 <sup>3</sup> / <sub>4</sub> "				
Dimensions of baseplate .....	53" × 27 <sup>1</sup> / <sub>2</sub> "	35 <sup>1</sup> / <sub>2</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	35 <sup>1</sup> / <sub>2</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	35 <sup>1</sup> / <sub>2</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	35 <sup>1</sup> / <sub>2</sub> " × 23 <sup>5</sup> / <sub>8</sub> "
Working surface of baseplate .....	41 <sup>3</sup> / <sub>8</sub> " × 27 <sup>1</sup> / <sub>2</sub> "	23 <sup>5</sup> / <sub>8</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	23 <sup>5</sup> / <sub>8</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	23 <sup>5</sup> / <sub>8</sub> " × 23 <sup>5</sup> / <sub>8</sub> "	23 <sup>5</sup> / <sub>8</sub> " × 23 <sup>5</sup> / <sub>8</sub> "
Centre distance between 20 mm. (¾") dia. foundation holes in baseplate .....	55 <sup>1</sup> / <sub>8</sub> " × 21 <sup>5</sup> / <sub>8</sub> "				
Ditto between 16 mm. (5/8") holes .....		33 <sup>1</sup> / <sub>2</sub> " × 21 <sup>5</sup> / <sub>8</sub> "	33 <sup>1</sup> / <sub>2</sub> " × 21 <sup>5</sup> / <sub>8</sub> "	33 <sup>1</sup> / <sub>2</sub> " × 21 <sup>5</sup> / <sub>8</sub> "	33 <sup>1</sup> / <sub>2</sub> " × 21 <sup>5</sup> / <sub>8</sub> "
Vertical movement on column of radial arm .....	26 <sup>3</sup> / <sub>8</sub> "	28 <sup>1</sup> / <sub>8</sub> "	32 <sup>7</sup> / <sub>8</sub> "	32 <sup>7</sup> / <sub>8</sub> "	32 <sup>7</sup> / <sub>8</sub> "
Diameter of ground column .....	8 <sup>3</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "
Quill movement .....	7 <sup>5</sup> / <sub>8</sub> "	7 <sup>5</sup> / <sub>8</sub> "	4 <sup>3</sup> / <sub>8</sub> "	4 <sup>3</sup> / <sub>8</sub> "	4 <sup>3</sup> / <sub>8</sub> "
Spindle speed ranges at 60 cycles r. p. m. ....	85, 125,*) 170, 250, 300, 450, 600, 900	85, 125,*) 170, 250, 300, 450, 600, 900	245, 470, 820, 1560	240, 315, 420, 525, 680, 930, 1180, 1560, 2020, 2550, 3400, 4375	125, 182, 250, 365,**) 530, 770, 1060, 1540
Alternative standard speeds r. p. m. ....	70, 140, 185, 250, 370, 500, 660, 1320	70, 140, 185, 250, 370, 500, 660, 1320	—	—	—
Rate of power feed per spindle rev. ....	.004, .006, .010, .016	.004, .006, .010, .016	—	—	—
Morse taper in spindle .....	No. 4	4	3	3	3
Drilling capacity in steel .....	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>8</sub> "	1"	1"	1"
Power of motor at 60 cycles .....	3/2 H. P.	3/2	1.0	1.0	1.1/0.8
Total height of machine with radial arm in its highest position .....	7' 6 <sup>1</sup> / <sub>8</sub> "	7' 8 <sup>1</sup> / <sub>2</sub> "	6' 4 <sup>1</sup> / <sub>2</sub> "	6' 4 <sup>1</sup> / <sub>2</sub> "	6' 4 <sup>1</sup> / <sub>2</sub> "
Net weight of machine .....	2710 Lbs.	1585	1120	1120	1120

All dimensions, unless otherwise stated, are in inches.

\*) Both higher and lower speed ranges can be provided on request, the highest ranging between 240 and 2605 r. p. m., and the lowest between 65 and 710 r. p. m.

A special speed range is also available, ranging between 50 and 920 r. p. m.

\*\*) Available on special order with 2 higher speed ranges, 125

and 2000 r. p. m. [www.SterlingMachinery.com](http://www.SterlingMachinery.com)



## OPTIONAL EXTRA EQUIPMENT FOR ARBOGA ALL-GEARED RADIAL DRILLING MACHINES

### Coolant attachment

All ARBOGA all-geared radial drilling machines can be equipped with a coolant attachment, consisting of an electromotor pump, all necessary piping and a delivery nozzle.

The coolant pump is mounted directly in the baseplate, which is cast hollow to act as a tank for the cooling medium.

Model RLM 3508 is as standard equipped with coolant attachment.

### Tilting table

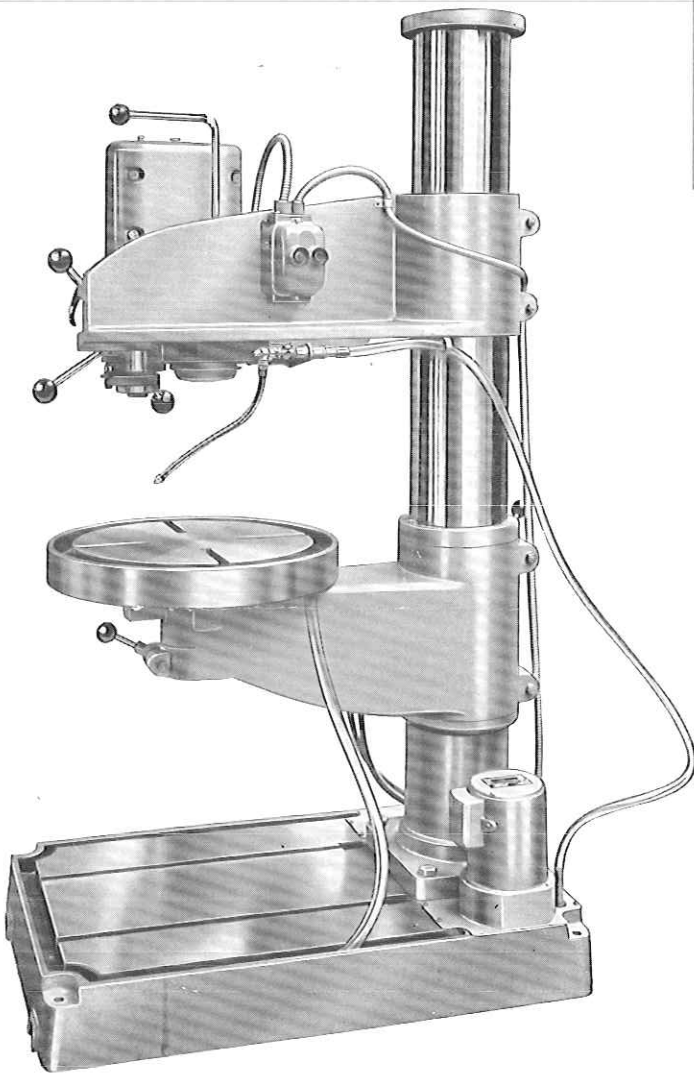
An extremely useful tilting table can be provided, if required, and same is capable of adjustment by means of a graduated scale through an angle of 0–90°. The degree of tilt to this special type of table is carried out by means of a worm and worm gear furnished with a handwheel and with a square-ended shaft so as to be accessible from both sides of the machine. This special tilting table is suitable for fitting to any of the ARBOGA all-geared Radial Drilling Machines.

Height of working surface of tilting table above baseplate 19½"

Working surface of table top 20"×16"

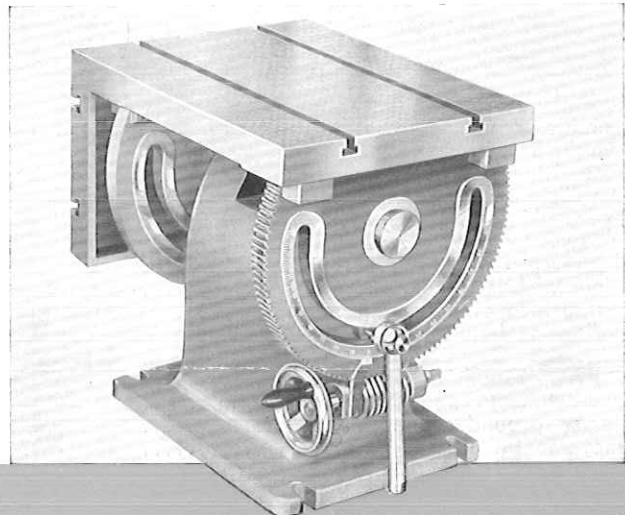
Working surface of Tee-slotted side portion 16"×12"

Net weight of tilting table 350 lbs.



**Model ER 125 Radial  
Drilling Machine  
equipped with cool-  
ant attachment**

**Tilting table**



RLM 3508 RM 3508 ER 125 ER 125 S ER 825

### PRICES FOR RADIAL DRILLING MACHINES AND OPTIONAL EXTRA EQUIPMENT:

Radial Drill with electrical equipment for  
standard 3-phase A. C.  
Radial Drill with electrical equipment for  
single-phase A. C. or D. C. supplies  
Coolant attachment with fittings (supplied  
for 3-phase A. C. only)  
Rectangular table, 600×500 mm. (24"×20")  
Adjustable tilting table 0–90°

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MACHINERY EXCHANGE

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