

Willis

RADIAL DRILLING MACHINES

RD-750

RD-1100

RD-1300H

"THE BEARS ARE ON THE PROWL"



willis

Little Bear



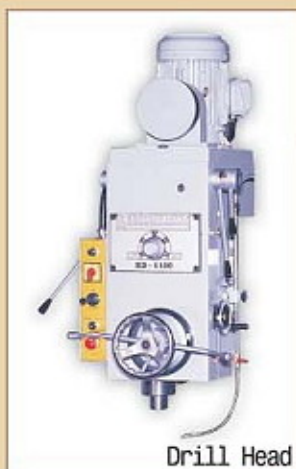
"Little Bear"



Drill Head **RD-750**

- 30" arm
- 1-1/2" drilling capacity
- 16"x22"x13"H box table
- 2HP spindle drive motor
- 19" horizontal drill head travel
- 25" vertical arm travel
- 88-1500 RPM's
- 6 spindle speeds
- Spindle feeds: 3 Steps (0.002"~0.006")/rev.

Big Bear



Drill Head

RD-1100

- 45" arm
- 1-3/4" drilling capacity
- 20"x25"x17"H box table
- 5HP spindle drive motor
- 32" horizontal drill head travel
- 27" vertical arm travel
- 44-1500 RPM's
- 12 spindle speeds
- Spindle feeds: 3 Steps (0.002"~0.006")/rev.

"Big Bear"



Wilis RADIAL DRILLING MACHINE FEATURES

- hardened and ground steel gears run in an oil bath
- spindle and quill are made from hardened and ground alloy steel
- spindle return tension is easily adjustable through a return spring
- double wall column with oversize bearings for easy rotation and maximum stiffness
- power feed rates are easily selected and can be changed while spindle is running
- limit switches are used to prevent over travel with powerfeed
- arm is raised and lowered by separate motor with safety nut for protection
- limit switches prevent arm over travel
- hardened steel wear strip for top of arm ways allows smooth head travel
- flood coolant with sump in the machine base
- box table with T-slots on top and side surface
- fluorescent work light
- toolbox, tools, and operator/parts manual



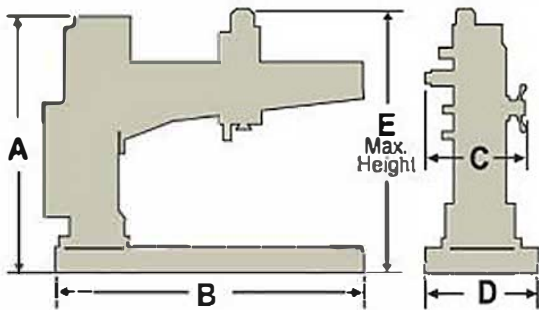
RD-1300H

- 51" arm
- 2" drilling capacity
- 20"x25"x17"H box table
- 7.5HP spindle drive motor
- 36" horizontal drill head travel
- 27" vertical arm travel
- 44-1500 RPM's
- 12 spindle speeds
- Hydraulic Clamping for drill head and arm rotation
- Spindle feeds: 6 Steps (0.004"~0.024")/rev.

"Bigger Bear"



WILLIS RADIAL DRILLING MACHINES



Model	A	B	C	D	E
RD -750	72-7/8"	50-3/8"	29-1/2"	25-3/16"	85-5/8"
RD -1100	85"	70-27/32"	38-3/16"	31-1/2"	101-3/4"
RD-1300H	85"	70-27/32"	38-3/16"	31-1/2"	101-3/4"

SPECIFICATIONS

unit/inch

Model/Spec.		RD - 750	RD - 1100	RD - 1300H	
Capacity	Drilling	Steel	1-1/2"	1-3/4"	2"
		Cast iron	2"	2-1/8"	2-3/8"
	Tapping	Steel	3/4"	1"	1-1/4"
		Cast iron	1"	1-1/4"	1-1/2"
	Boring	Steel	3"	3-3/8"	3-1/2"
		Cast iron	4"	4-3/4"	5"
Spindle stroke/spindle taper		7-7/8"/MT4	9-7/8"/MT4	9-7/8"/MT5	
Spindle speeds (rpm)		88-1500(6)	44-1500(12)	44-1500(12)	
Spindle feeds(inch/rev.)		0.002"-0.006" 3steps	0.002"-0.006" 3steps	0.004"-0.024" 6steps	
Column diameter		8-1/4"	11-7/8"	11-7/8"	
Max.distance,spindle center to column		30-1/2"	45"	50"	
Max.distance,spindle center to column		11-3/8"	13"	13"	
Horizontal travel of headstock		19-1/8"	32"	37"	
Max.distance, base to spindle		43-3/4"	48-1/2"	48-1/2"	
Min.distance, base to spindle		11-3/32"	21-1/4"	21-1/4"	
M/C over height of column (A)		72-7/8"	85"	85"	
M/C height from floor (Max) (E)		85-5/8"	101-3/4"	101-3/4"	
Dimension of base (L x M x K)inch (B)x(D)		50-3/8" x 25-3/16" x 5-7/8"	70-27/32" x 31-1/2" x 6-11/16"	70-27/32" x 31-1/2" x 6-11/16"	
Effective area of table (R x S x T)		16"x22"x13"H	20"x25"x17"H	20"x25"x17"H	
Main drive motor		2HP	5HP	7.5HP	
Arm elevation motor		1HP	2HP	2HP	
Motor for hydraulic clamping device				1HP	
Coolant pump		1/8HP	1/8HP	1/8HP	
Weight (about)		1200kgs	2100kgs	2150kgs	
Measurement (L x W x H)		56"x32"x81"	79"x39"x88"	90"x39"x93"	

• Above specification are subject to change without notice.

willis

AHB
TOOLING & MACHINERY, INC.

COMPLETE
METALWORKING
SOLUTIONS

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com



MACHINERY & TOOLS

4545 South Ave., Toledo, OH 43615 USA Phone (419) 537-1717 fax (419) 537-1719
www.willismachinery.com email: sales@willismachinery.com

MODEL: RD-1700H

- **Totally enclosed drill head with oil bath and forced lube pump delivering oil to all the proper places**
- **Double column for maximum rigidity**
- **Hardened and ground alloy steel gears**
- **Heavily reinforced and ribbed base**
- **One shot lubrication system for the column, and arm raising screw**
- **Hydraulic clamping for drill head, arm, and column**
- **Box table – 22" x 32" x 16"H**
- **flood coolant**
- **fluorescent work light**

Drilling capacity (steel / cast iron)	2" / 2 3/8"
Column diameter	13.2"
Max. distance spindle center to column	66"
Horizontal head travel	47"
Max distance spindle nose to base	55"
Base dimensions	92" x 36" x 9"
Net weight	7,200 lbs.
Spindle stroke	11"
Spindle taper	5MT
Spindle RPM (12)	30, 50, 94, 151, 265, 500 low speed 88, 154, 282, 455, 796, 1500 high speed
Spindle feeds (6) "/rev	0.004 - 0.024
Spindle HP	7.5

Our goal is to create practical solutions that meet your needs and surpass your expectations.

