

### MULTI-DRILL®

MODEL

# 650

## Adjustable Gear Driven Drill Tap Head

Available in 2 or 4 spindle models

On 4 spindle models, holes to be drilled must be equally spaced on a common circle



Proudly made in  
Franklin, WI USA

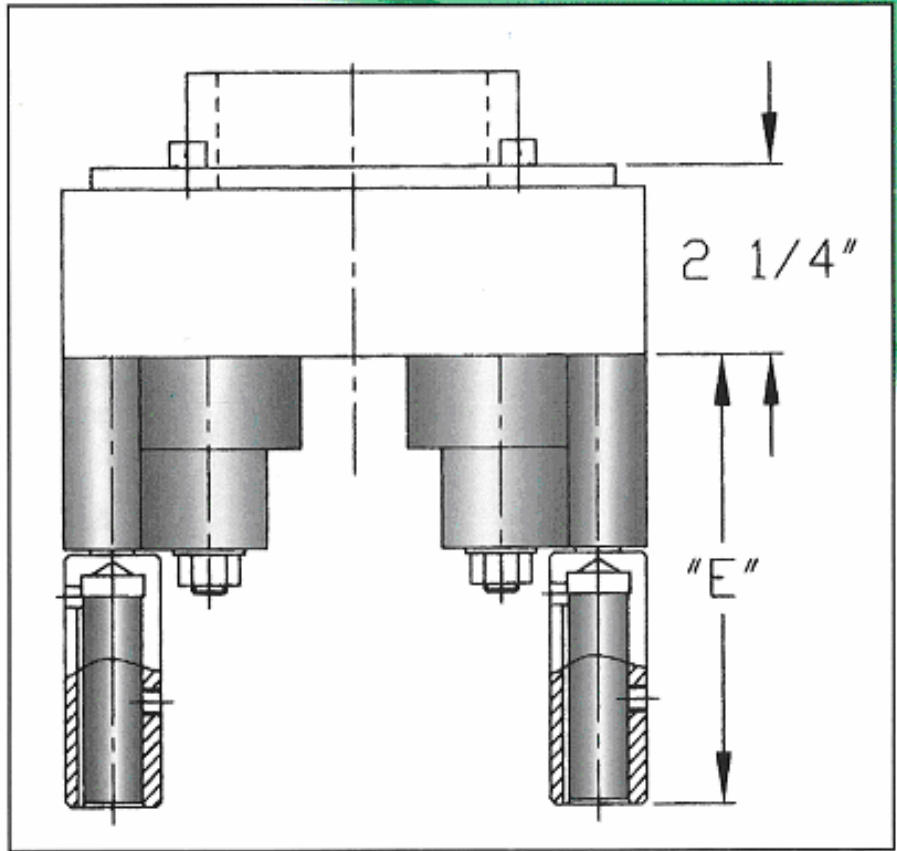
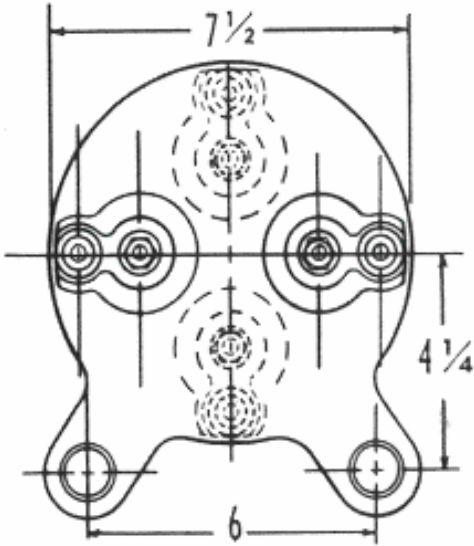
The Model 650 Multi-Drill is an inexpensive, gear driven adjustable spindle drill head. Its light weight and compact size make it ideal for short run quick change over applications. We will adapt the 650 unit to any drill press.

Commander Multi-Drill has on file spindle specifications for most machines. Please furnish us with the make, model number and serial number of the machine that our head will be adapted to. (See adaptations page)

In some cases there may be an additional charge for adaptation.

BASIC HEAD	ITEM #
Basic Unit without Adaptation 650 2-Spindle Head (No Spindles)	C20012
Basic Unit with Adaptation 650 2-Spindle Head (No Spindles)	-
Basic Unit without Adaptation 650 4-Spindle Head (No Spindles)	C20013
Basic Unit with Adaptation 650 4-Spindle Head (No Spindles)	-

SPECIFICATIONS	
Maximum Number of Spindles	2 or 4
Maximum Horsepower Transmitted	5
Maximum Torque Transmitted	156 in./lbs.
Maximum Spindle RPM	2,000
Maximum Drill Press RPM	2,000
Minimum Center Distance	1-3/8
Maximum Drilling Area	6-1/4
Ratio	1-1
Approximate Drill Capacity in mild steel	5/8



For collet information see the Commander collets pages.

**COMMANDER 650 HEAD SPINDLE ASSEMBLIES**

DESCRIPTION	MIN. CENTERS 2-SPIN	MIN. CENTERS 4-SPIN	PART NO. 2-SPIN	PART NO. 4-SPIN	LENGTH DIM. "E"
<b>STANDARD SPINDLE ASSEMBLIES</b>					
500 COLLET TYPE 1/32 TO 1/2 DIAMETER	1-3/8	2-3/4	20014	20015	5-3/32
500 BORED TYPE (SPECIFY EXACT SIZE MAX. .625)	1-3/8	2-3/4	20028	20029	5-3/32
#1 MORSE TAPER TYPE	1-3/8	2-3/4	20024	20025	5-7/32
#2 MORSE TAPER TYPE	1-3/8	2-3/4	20026	20027	5-29/32
<b>TAP SPINDLES - Tap spindles allow tap float and find the drilled or cored holes, thereby compensating for small mis-alignment.</b>					
A.C. FLOATING TAP SPINDLES (BILZ)	1-3/8	2-3/4	20022	20023	5-3/32
<b>ASA ADJUSTABLE DEPTH - Permits holding of fine adjustment in drill or tap lengths.</b>					
5/8 ASA Type	1-3/8	2-3/4	20016	20017	5-27/32
3/4 ASA Type	1-3/8	2-3/4	20018	20019	5-27/32
7/8 ASA Type	1-3/8	2-3/4	20020	20021	5-27/32
<b>600 HEAD ACCESSORIES - Locating templates lock the spindles in position.</b>					
GUIDE RODS (PAIR)			C71211		
5/8 ASA ADJUSTABLE ADAPTERS			C81312		
3/4 ASA ADJUSTABLE ADAPTERS			C81313		
7/8 ASA ADJUSTABLE ADAPTERS			C81314		