

Commander[®]**MULTIPLE SPINDLE DRILL HEAD****MULTI-DRILL[™]****700****Sturdy, Compact Head with Heavy-Duty Capabilities**Proudly made in
Franklin, WI USA

- *Drill / Tap up to 10 holes in a 6-1/2" diameter circle*
- *3/8" drill capacity*
- *Adapts to any drill press or automatic feed unit.*

The Model 700 Multi-Drill is a heavy-duty adjustable gear-driven spindle drill head. Its 100% ball bearing construction and 10 spindle configuration makes it ideal for most drilling and tapping applications.

Commander Multi-Drill has on file spindle specifications for most machines. Please furnish us with the make and model 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.

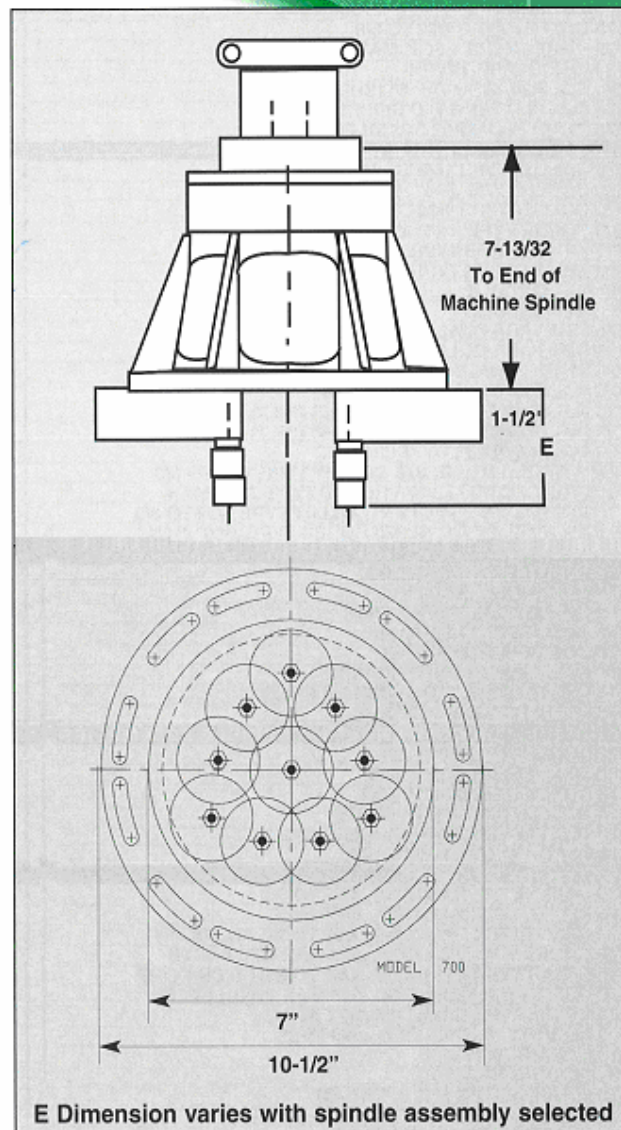
MULTI-DRILL 700		ITEM #	SPECIFICATIONS	
Basic Unit without Adaptation		C70035	Maximum Drilling Area	6-1/2" diam.
Basic Unit with Adaptation		C70036	Minimum Center Distance	7/16" diam.
Model 700 in-line without Adaptation		C90405	Maximum Number of Spindles	10
Model 700 in-line with Adaptation		C90406	Drill Capacity in mild steel	3/8"
			Maximum Drilling Area w/ Extension Spindles	20-1/2"
			Maximum Horsepower Transmitted	2
			Maximum Torque Transmitted	70 inch / lbs
			Maximum Spindle RPM	1800
			Maximum Drill Press RPM	1800
			Speed Ratio	1:1

www.commandermultidrill.com

Ideal for adaptation to drill presses, tapping machines, automatic self-feed drill and tap units, and special machines

- Available with adjustable arm or slip spindle assembly using bored fixed position plate.
- Low profile – compact, close couple design. Minimum amount of open height taken up.
- Allows a more comfortable working position for the operator.
- Heavy-duty gear case allows drilling up to to 10 holes, 3/8" drill capacity in mild steel, ina 6-1/2" or 20-1/2" diameter circle with extension spindles.
- Close center capacity.
- Extremely versatile, maximum flexibility of application.
- Operate in any position: upright, inverted or horizontal.
- Adapt to any drilling machine. Standard adapter caps available to fit most popular drilling machines.
- These drill heads can be used for multiple tapping by use of a motor reversing unit.
- Minimum maintenance required.
- Ten 7/16" hex drives are included.*

The maximum angularity of universal joint assemblies should be no more than 22 degrees to obtain best service life.



*** Multi-Drill Terminology...**

Hex Pick-Off

A Hex Pick-Off is the hex protruding from the multi-drill gear case that a universal joint spindle can be attached to.

The model 700 includes all 10 hex pick-offs with the basic unit.

MULTI-DRILL® 700 ADJUSTABLE ARM



Minimum Center Distances		Spindle Length "E" Dimension <i>see drawing</i>	Adjustable Arm	
Plain	Booted		Plain	Booted

STANDARD SPINDLE ASSEMBLIES					
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-5/16	C74467	-----
125 COLLET TYPE 1/32 TO 1/8	7/16	-----	3-5/16	C74481	-----
125 BORED TYPE .255" MAX.	1/2	-----	3-1/8	C74472	-----
125 BORED TYPE .255" MAX.	7/16	-----	3-1/8	C74482	-----
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	3-9/16	C74473	-----
265 COLLET TYPE 1/32 TO 17/64	5/8	-----	3-9/16	C74483	-----
265 BORED TYPE .4375" MAX.	11/16	-----	3-1/8	C74474	-----
265 BORED TYPE .4375" MAX.	5/8	-----	3-1/8	C74484	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	3-5/8	C74475	C75475
375 BORED TYPE .500" MAX.	7/8	1-1/4	3-5/8	C74477	C75477
#1 MORSE TAPER TYPE	11/16	1-1/4	5	C74466	C75466
375 Q.T. FLOATING TAP SPINDLES	7/8	1-1/4	-----	P.O.A.	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	7/8	1-1/4	-----	P.O.A.	P.O.A.
375 PLAIN FLOATING SPINDLES	7/8	1-1/4	-----	P.O.A.	P.O.A.
BALL BEARING SPINDLE ASSEMBLIES					
375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	3-3/16	-----	C85308
375 BORED TYPE .500" MAX.	-----	1-1/4	-----	-----	C85438
500 COLLET TYPE 1/32 TO 1/2	-----	1-1/4	3-5/8	-----	C85433
500 BORED TYPE .625" MAX.	-----	1-1/4	-----	-----	C85444
#1 MORSE TAPER TYPE	-----	1-1/4	4-9/16	-----	C85309
#2 MORSE TAPER TYPE	-----	1-1/4	4-15/16	-----	C85310
5/8 ASA SPINDLE	-----	1-1/4	5-5/16	-----	C85311
7/8 ASA SPINDLE	-----	1-1/4	5-15/16	-----	C85312
375 STUB ASA COLLET TYPE 1/32 TO 3/8	-----	1-1/4	4-5/16	-----	C85399
500 STUB ASA COLLET TYPE 1/32 TO 1/2	-----	1-1/4	6-1/16	-----	C85442
375 PLAIN FLOATING TAP SPINDLES	-----	1-1/4	-----	-----	C85443
375 Q.T. FLOATING TAP SPINDLES	-----	1-1/4	-----	-----	C85379
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	1-1/4	-----	-----	C85381
500 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	1-1/4	-----	-----	C85441
500 Q.T. FLOATING TAP SPINDLES	-----	1-1/4	-----	-----	C85440
ADJUSTABLE DEPTH 375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	4-3/8	-----	C85413
ADJUSTABLE DEPTH 375 BORED TYPE .500" MAX.	-----	1-1/4	-----	-----	C85477
PITCH COMPENSATING 375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	4-1/8	-----	C85423
PITCH COMPENSATING 375 BORED TYPE .500" MAX.	-----	1-1/4	-----	-----	C85478
STANDARD ADJUSTABLE DEPTH SPINDLE ASSEMBLIES					
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-3/16	C74442	-----
125 BORED TYPE .255" MAX.	1/2	-----	3-3/16	C74950	-----
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	4-3/16	C74441	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	4-3/8	C74440	C75440
375 BORED TYPE .500" MAX.	7/8	1-1/4	4-3/8	C74439	C75439
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	P.O.A.
375 PLAIN FLOATING SPINDLE	-----	-----	-----	-----	P.O.A.
STANDARD PITCH COMPENSATING SPINDLE ASSEMBLIES					
125 BORED TYPE .255" MAX.	11/16	-----	4-3/16	C74433	-----
265 COLLET TYPE .255" MAX.	11/16	-----	4-3/16	C74430	-----
375 COLLET TYPE #0-5/16 TAP	7/8	-----	4-1/8	C74429	C75429
375 Q.T. FLOATING TAP SPINDLES	7/8	1-1/4	4-1/8	P.O.A.	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	1-1/4	-----	P.O.A.	P.O.A.
375 PLAIN FLOATING SPINDLES	-----	-----	-----	P.O.A.	P.O.A.
3" EXTENSION SPINDLES					
375 COLLET TYPE BALL BRG. 1/32 TO 3/8	1-3/8	1-3/8	3-5/8	C74458	C75458
375 BORED TYPE BALL BRG. .500" MAX.	1-3/8	1-3/8	3-3/8	C74457	C75457
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 ADJ DEPTH	1-3/8	1-3/8	4-7/16	C75446	C75446
375 BORED TYPE BALL BRG. .500 MAX ADJ DEPTH	1-3/8	1-3/8	4-3/16	C75445	C75445
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 PITCH COMP	1-3/8	1-3/8	4-7/16	C75443	C75443
375 BORED TYPE BALL BRG. .500 MAX PITCH COMP	-----	-----	-----	P.O.A.	P.O.A.
500 COLLET TYPE BALL BRG. 1/32 TO 1/2	-----	-----	-----	-----	-----
500 BORED TYPE BALL BRG. .625 MAX	1-3/8	1-3/8	3-5/8	C74450	C75450
#1 MORSE TAPER TYPE	1-3/8	1-3/8	3-3/8	C74449	C75449
#2 MORSE TAPER TYPE	1-3/8	1-3/8	4-7/16	C74447	C75447
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	P.O.A.	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	P.O.A.	P.O.A.
375 PLAIN FLOATING SPINDLES	-----	-----	-----	P.O.A.	P.O.A.
6 3/4" EXTENSION SPINDLES					
375 COLLET TYPE BALL BRG. 1/32 TO 3/8	1-3/8	1-3/8	3-5/8	C74450	C75458
375 BORED TYPE BALL BRG. .500" MAX.	1-3/8	1-3/8	3-5/8	C74449	C75457
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 ADJ DEPTH	1-3/8	1-3/8	4-7/16	-----	C75454
375 BORED TYPE BALL BRG. .500 MAX ADJ DEPTH	1-3/8	1-3/8	4-3/16	-----	C75453
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 PITCH COMP	1-3/8	1-3/8	4-7/16	-----	C75451
375 BORED TYPE BALL BRG. .500 MAX PITCH COMP	-----	-----	-----	-----	-----
500 COLLET TYPE BALL BRG. 1/32 TO 1/2	-----	-----	-----	-----	-----
500 BORED TYPE BALL BRG. .625 MAX	-----	-----	-----	-----	-----
#1 MORSE TAPER TYPE	-----	-----	-----	-----	-----
#2 MORSE TAPER TYPE	-----	-----	-----	-----	-----
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	-----
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	-----
375 PLAIN FLOATING SPINDLES	-----	-----	-----	-----	-----
VERSA SPINDLES					
3/8" CAPACITY	-----	-----	-----	-----	C80140
1/2" CAPACITY	-----	-----	-----	-----	-----



Plain



Booted

MULTI-DRILL® 700 SLIP SPINDLE



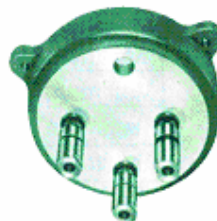
Minimum Center Distances		Spindle Length "E" Dimension <i>see drawing</i>	Slip Spindle	
Plain	Booted		Plain	Booted

STANDARD SPINDLE ASSEMBLIES				
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-5/16	C74401
125 COLLET TYPE 1/32 TO 1/8	7/16	-----	3-5/16	P.O.A.
125 BORED TYPE .255" MAX.	1/2	-----	3-1/8	C74406
125 BORED TYPE .255" MAX.	7/16	-----	3-1/8	P.O.A.
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	3-9/16	P.O.A.
265 COLLET TYPE 1/32 TO 17/64	5/8	-----	3-9/16	P.O.A.
265 BORED TYPE .4375" MAX.	11/16	-----	3-1/8	P.O.A.
265 BORED TYPE .4375" MAX.	5/8	-----	3-1/8	P.O.A.
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	3-5/8	C74407
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	3-5/8	C74409
375 BORED TYPE .500" MAX.	11/16	1-1/4	5	C74485
#1 MORSE TAPER TYPE	7/8	1-1/4	-----	P.O.A.
375 Q.T. FLOATING TAP SPINDLES	7/8	1-1/4	-----	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	7/8	1-1/4	-----	P.O.A.
375 PLAIN FLOATING SPINDLES	7/8	1-1/4	-----	P.O.A.
BALL BEARING SPINDLE ASSEMBLIES				
375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	3-3/16	-----
375 BORED TYPE .500" MAX.	-----	1-1/4	-----	C85336
500 COLLET TYPE 1/32 TO 1/2	-----	1-1/4	3-5/8	-----
500 BORED TYPE .625" MAX.	-----	1-1/4	-----	C85445
#1 MORSE TAPER TYPE	-----	1-1/4	4-9/16	-----
#2 MORSE TAPER TYPE	-----	1-1/4	4-15/16	-----
5/8 ASA SPINDLE	-----	1-1/4	5-5/16	-----
7/8 ASA SPINDLE	-----	1-1/4	5-15/16	-----
STUB ASA COLLET TYPE (SPECIFY BORE)	-----	1-1/4	4-5/16	-----
375 PLAIN FLOATING TAP SPINDLES	-----	1-1/4	-----	C85338
375 Q.T. FLOATING TAP SPINDLES	-----	1-1/4	-----	C85337
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	1-1/4	-----	C85339
500 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	1-1/4	-----	C85333
500 Q.T. FLOATING TAP SPINDLES	-----	1-1/4	-----	C85338
ADJUSTABLE DEPTH 375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	4-3/8	-----
ADJUSTABLE DEPTH 375 BORED TYPE .500" MAX.	-----	1-1/4	-----	C85414
PITCH COMPENSATING 375 COLLET TYPE 1/32 TO 3/8	-----	1-1/4	4-1/8	-----
PITCH COMPENSATING 375 BORED TYPE .500" MAX.	-----	1-1/4	-----	C85479
-----	-----	-----	-----	C85424
-----	-----	-----	-----	C85480
STANDARD ADJUSTABLE DEPTH SPINDLE ASSEMBLIES				
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-3/16	C74417
125 BORED TYPE .255" MAX.	1/2	-----	3-3/16	C74954
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	4-3/16	P.O.A.
265 BORED TYPE .4375" MAX.	11/16	-----	4-3/16	P.O.A.
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	4-3/8	C74419
375 BORED TYPE .500" MAX	7/8	1-1/4	4-3/8	C74480
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	P.O.A.
375 PLAIN FLOATING SPINDLES.	-----	-----	-----	P.O.A.
STANDARD PITCH COMPENSATING SPINDLE ASSEMBLIES				
125 BORED TYPE .255" MAX.	1/2	-----	4-1/8	C74424
265 BORED TYPE .255" MAX.	11/16	-----	4-3/16	P.O.A.
265 COLLET TYPE #0-1/4 TAP	11/16	-----	4-3/16	P.O.A.
375 COLLET TYPE #0-5/16 TAP	7/8	1-1/4	4-1/8	C74426
375 BORED TYPE 5/16" TAP MAX.	7/8	1-1/4	4-1/8	P.O.A.
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	P.O.A.
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	P.O.A.
375 PLAIN FLOATING SPINDLES	-----	-----	-----	P.O.A.

HEAD ACCESSORIES	ITEM #
FIXED POSITION PLATE	C71043
BORED HOLES	C71135
GUIDE RODS AND BUSHED ARMS	C71211/C71212



The maximum angularity of universal joint assemblies should be no more than 22 degrees to obtain best service life.



Fixed Position Plate



Guide Rods & Bushed Arms