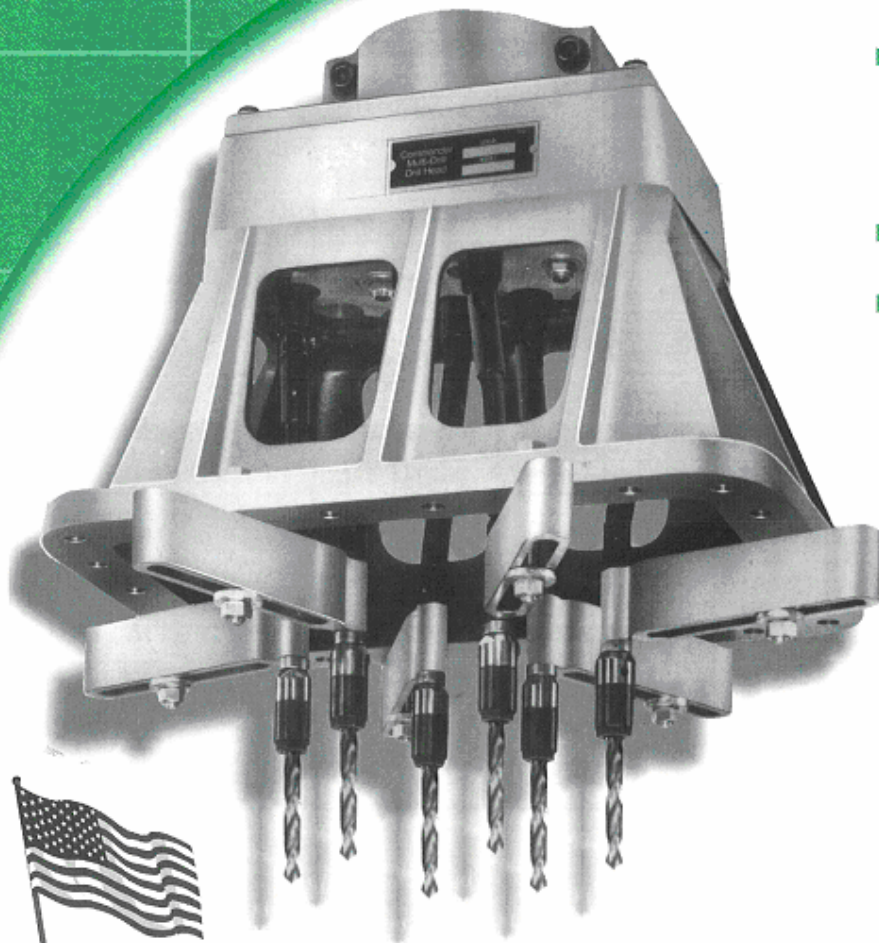


Commander®**MULTIPLE SPINDLE DRILL HEAD****MULTI-DRILL®****8-12****Low Profile Universal Joint Head
Heavy-Duty Capabilities**

Proudly made in
Franklin, WI USA

- 15 holes on 7/16" centers in an area of 8" x 12", or up to 21-1/2" x 25-1/2" area with extension spindles.
- 1/2" drill capacity
- Adapts to any drill press or automatic feed unit.

The Model 8-12 Multi-Drill is a ruggedly constructed heavy-duty multiple spindle drill head. Its precision built anti-friction gear case drive with ball and roller bearings and extra-strength gear train is capable of withstanding high torque and thrust in keeping with rated capacity.

Exclusive Feature: The model 8-12 is available in two speeds, enabling the use of both low and high speeds in one hole pattern – an excellent feature when drilling a range of hole diameters, with the exception of the center driven shaft (low speed only), the additional 14 spindles can be selected in either low or high speed.

MULTI-DRILL 8-12	ITEM #
Basic Unit without Adaptation high speed	C70121
Basic Unit with Adaptation high speed	C70122
Basic Unit without Adaptation low speed	C70120
Basic Unit with Adaptation low speed	C70119

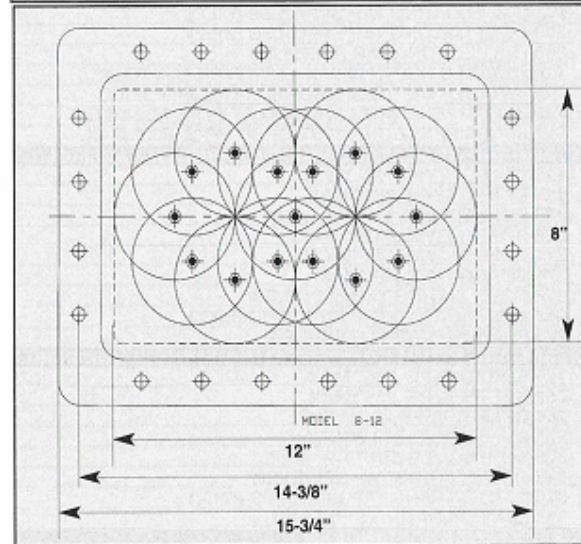
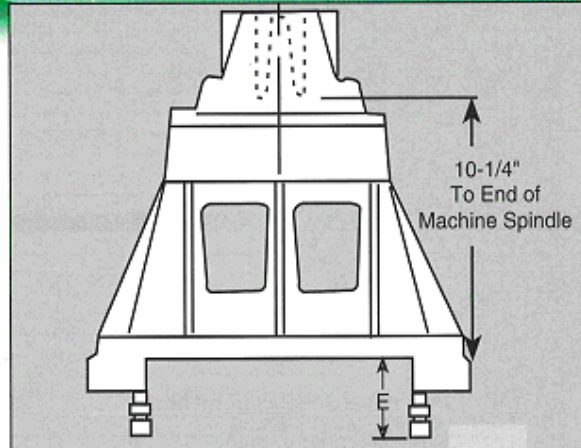
SPECIFICATIONS	
Maximum Drilling Area	8" x 12"
Minimum Center Distance	7/16"
Maximum Number of Spindles	15
Drill Capacity in mild steel	1/2"
Maximum Drilling Area w/ Extension Spindles	21-1/2" x 25-1/2"
Maximum Horsepower Transmitted	5
Maximum Torque Transmitted	70 inch / lbs.
Maximum Spindle RPM	1800
Maximum Drill Press RPM	1800
Speed Ratio	1:1 or 1:2

www.commandermultidrill.com

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

- Quickly change from one speed to another by changing drive shaft assemblies.
- Allows a more comfortable working position for the operator.
- Heavy-duty gear case allows drilling up to 15 holes on 7/16" centers in an area of 8" x 12", or up to 21-1/2" x 25-1/2" area 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.
- One low speed hex center drive and six additional driven shaft assemblies are included. (For additional driven shaft assemblies use item #C71232 for low speed or item #C71231 high speed).*

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



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.



A typical hex driven shaft assembly

*** 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 8-12 includes 7 hex pick-offs with the basic unit. You may add up to 8 more pick-offs for a maximum total of 15 spindles. Please indicate either high or low speed.

MULTI-DRILL® 8-12 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	C74490	-----
125 COLLET TYPE 1/32 TO 1/8	7/16	-----	3-5/16	C74579	-----
125 BORED TYPE .255" MAX.	1/2	-----	3-1/8	C74495	-----
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	3-9/16	C74496	-----
265 COLLET TYPE 1/32 TO 17/64	5/8	-----	3-9/16	C74581	-----
265 BORED TYPE .4375" MAX.	5/8	-----	3-1/8	C74582	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	3-5/8	C74498	C75498
375 BORED TYPE .500" MAX.	7/8	1-1/4	3-5/8	C74500	C75500
#1 MORSE TAPER TYPE	11/16	1-1/4	5	C74501	C75501
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.
BALL BEARING SPINDLE ASSEMBLIES					
375 COLLET TYPE 1/32 TO 3/8	1-3/8	1-3/8	3-5/8	-----	C85318
375 BORED TYPE .500" MAX.	1-3/8	1-3/8	3-3/8	-----	C85474
500 COLLET TYPE 1/32 TO 1/2	1-3/8	1-3/8	4-9/16	-----	C85323
500 BORED TYPE .625" MAX.	1-3/8	1-3/8	3-13/16	-----	C85470
#1 MORSE TAPER TYPE	1-3/8	1-3/8	4-7/16	-----	C85319
#2 MORSE TAPER TYPE	1-3/8	1-3/8	5-7/16	-----	C85320
5/8 ASA SPINDLE	-----	-----	-----	-----	C85321
7/8 ASA SPINDLE	-----	-----	-----	-----	C85322
375 STUB ASA SPINDLE SPECIFY BORE SIZE	-----	-----	-----	-----	C85405
375 PLAIN FLOATING TAP SPINDLES	-----	-----	-----	-----	C85469
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	C85384
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	C85386
500 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	C85387
500 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	C85385
ADJUSTABLE DEPTH 375 COLLET TYPE 1/32 TO 3/8	-----	-----	-----	-----	C85419
ADJUSTABLE DEPTH 375 BORED TYPE .500" MAX.	-----	-----	-----	-----	C85483
PITCH COMPENSATING 375 COLLET TYPE 1/32 TO 3/8	-----	-----	-----	-----	C85429
PITCH COMPENSATING 375 BORED TYPE .500" MAX.	-----	-----	-----	-----	C85484
STANDARD ADJUSTABLE DEPTH SPINDLE ASSEMBLIES					
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-13/16	C74522	-----
125 BORED TYPE .255" MAX.	1/2	-----	3-13/16	C74586	-----
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	4-3/16	C74523	-----
265 BORED TYPE .4375" MAX.	-----	-----	-----	C74582	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	4-3/8	C74524	C75524
375 BORED TYPE .500" MAX.	7/8	1-1/4	4-1/8	C74527	C75527
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.
STANDARD PITCH COMPENSATING SPINDLE ASSEMBLIES					
125 BORED TYPE .255" MAX.	1/2	-----	4-1/8	C74532	-----
265 BORED TYPE .255" MAX.	-----	-----	-----	P.O.A.	-----
265 COLLET TYPE #0-1/4 TAP	-----	-----	-----	C74534	-----
375 COLLET TYPE #0-5/16 TAP	7/8	1-1/4	4-1/8	C74535	C75535
375 BORED TYPE 5/16" TAP MAX.	-----	-----	-----	P.O.A.	P.O.A.
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.
3" EXTENSION SPINDLES					
375 COLLET TYPE BALL BRG. 1/32 TO 3/8	1-3/8	1-3/8	3-5/8	C74514	C75514
375 BORED TYPE BALL BRG. .500" MAX.	1-3/8	1-3/8	3-3/8	C74516	C75516
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 ADJUST. DEPTH	1-3/8	1-3/8	4-7/16	C74518	C75518
375 BORED TYPE BALL BRG. .500 MAX ADJUST. DEPTH	1-3/8	1-3/8	4-3/16	C74520	C75520
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 PITCH COMP.	-----	-----	-----	C74521	C75521
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	-----	-----	-----	C74547	C75547
500 BORED TYPE BALL BRG. .625" MAX.	1-3/8	1-3/8	3-13/16	C74548	C75548
#1 MORSE TAPER TYPE	1-3/8	1-3/8	4-7/16	C74517	C75517
#2 MORSE TAPER TYPE	1-3/8	1-3/8	5-7/16	C74546	C75546
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	C74506	C75506
375 BORED TYPE BALL BRG. .500" MAX.	1-3/8	1-3/8	3-3/8	C74508	C75508
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 ADJUST. DEPTH	1-3/8	1-3/8	4-7/16	C74510	C75510
375 BORED TYPE BALL BRG. .500 MAX ADJUST. DEPTH	1-3/8	1-3/8	4-3/16	C74512	C75512
375 COLLET TYPE BALL BRG. 1/32 TO 3/8 PITCH COMP.	1-3/8	1-3/8	4-7/16	C74513	C75513
375 BORED TYPE BALL BRG. .500 MAX PITCH COMP	1-3/8	1-3/8	4-3/16	P.O.A.	P.O.A.
500 COLLET TYPE BALL BRG. 1/32 TO 1/2	1-3/8	1-3/8	4-9/16	C74543	C75543
500 BORED TYPE BALL BRG. .625" MAX.	1-3/8	1-3/8	3-13/16	C74544	C75544
#1 MORSE TAPER TYPE BALL BRG.	1-3/8	1-3/8	5	C74509	C75509
#2 MORSE TAPER TYPE BALL BRG.	1-3/8	1-3/8	5-7/16	C74542	C75542
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.
VERSA SPINDLES					
3/8" CAPACITY	-----	-----	-----	-----	C80148
1/2" CAPACITY	-----	-----	-----	-----	C80151



Plain



Booted

MULTI-DRILL® 8-12 SLIP SPINDLE



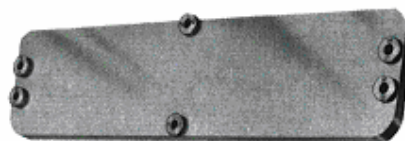
Minimum Center Distances		Spindle Length "E" Dimension <i>see drawing</i>	Slip Spindle	
Plain	Booted		Plain	Booted

STANDARD SPINDLE ASSEMBLIES					
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-5/16	C74549	-----
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	C74554	-----
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.	5/8	-----	3-1/8	P.O.A.	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	3-5/8	C74555	C75555
375 BORED TYPE .500" MAX.	7/8	1-1/4	3-3/8	C74557	C75557
#1 MORSE TAPER TYPE	11/16	1-1/4	5	C74598	C75598
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	1-3/8	1-3/8	3-5/8	-----	C85346
375 BORED TYPE .500" MAX.	1-3/8	1-3/8	3-3/8	-----	C85471
500 COLLET TYPE 1/32 TO 1/2	1-3/8	1-3/8	4-9/16	-----	C85351
500 BORED TYPE .625" MAX.	1-3/8	1-3/8	3-13/16	-----	C85473
#1 MORSE TAPER TYPE	1-3/8	1-3/8	4-7/16	-----	C85347
#2 MORSE TAPER TYPE	1-3/8	1-3/8	5-7/16	-----	C85348
5/8 ASA SPINDLE	-----	-----	-----	-----	C85349
7/8 ASA SPINDLE	-----	-----	-----	-----	C85350
375 STUB ASA COLLET TYPE 1/32 TO 3/8 SPECIFY BORE	-----	-----	-----	-----	C85406
375 PLAIN FLOATING TAP SPINDLES	-----	-----	-----	-----	C85472
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	C85374
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	C85377
500 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	C85378
500 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	C85375
ADJUSTABLE DEPTH 375 COLLET TYPE 1/32 TO 3/8	-----	-----	-----	-----	C85418
ADJUSTABLE DEPTH 375 BORED TYPE .500" MAX.	-----	-----	-----	-----	C85491
PITCH COMPENSATING 375 COLLET TYPE 1/32 TO 3/8	-----	-----	-----	-----	C85428
PITCH COMPENSATING 375 BORED TYPE .500" MAX.	-----	-----	-----	-----	C85492
STANDARD ADJUSTABLE DEPTH SPINDLE ASSEMBLIES					
125 COLLET TYPE 1/32 TO 1/8	1/2	-----	3-13/16	C74562	-----
125 BORED TYPE .255" MAX.	1/2	-----	3-13/16	C74590	-----
265 COLLET TYPE 1/32 TO 17/64	11/16	-----	4-3/16	P.O.A.	-----
265 BORED TYPE .4375" MAX.	-----	-----	-----	-----	-----
375 COLLET TYPE 1/32 TO 3/8	7/8	1-1/4	4-3/8	C74563	C75563
375 BORED TYPE .500" MAX.	7/8	1-1/4	4-1/8	C74565	C75565
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.
STANDARD PITCH COMPENSATING SPINDLE ASSEMBLIES					
125 BORED TYPE .255" MAX.	1/2	-----	4-1/8	C74571	-----
265 BORED TYPE .255" MAX.	-----	-----	-----	P.O.A.	-----
265 COLLET TYPE #0-1/4 TAP	-----	-----	-----	-----	-----
375 COLLET TYPE #0-5/16 TAP	7/8	1-1/4	4-1/8	C74573	C75573
375 BORED TYPE 5/16" TAP MAX.	-----	-----	-----	-----	-----
375 Q.T. FLOATING TAP SPINDLES	-----	-----	-----	-----	-----
375 Q.C. FLOATING TAP SPINDLES (BILZ)	-----	-----	-----	-----	-----
375 PLAIN FLOATING SPINDLES	-----	-----	-----	-----	-----

HEAD ACCESSORIE	ITEM#
FIXED POSITION PLATE	C71044
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