

THE FORD DRILLING MACHINE

There are several ways that a new water service can be installed into an existing water main. The tapping and drilling machines available on the market today come in all shapes and sizes.

Some machines are cumbersome devices that require an auxiliary power source and they may only make a tap by threading the corporation stop directly into a water main.

There are also very small machines which are lightweight and are not intended for heavy duty service. These machines have more in common with a small hand tool and can only be used for a very limited range of tap sizes.

The Ford Meter Box Co., Inc. offers a versatile and easy to use drilling machine that will suit the needs of almost every water utility. It also offers a great deal of versatility in that this machine is available with a real variety of cutters that can make taps in sizes from 1/2" through 2".

The Ford machine taps through a conventional service saddle and corporation stop, so it can be used on all common piping materials.

The Ford drilling machine is compact, easy to use, and travels well in its durable steel storage box which is large enough for both the

drilling machine and its many available accessories.

- *The Ford drilling machine is compact, lightweight, and easy to use.*
- *It also offers a great deal of versatility in that it is the only machine available that can make taps through corporation stops from 1/2" through 2". 1-1/2" and 2" taps use the Arbor Assembly with Hole Saw or Shell Cutters.*
- *Cutters are available for Iron, A/C, and PVC pipe. This can provide many economies because you don't need two or three types of machines to drill various types of pipe.*

Catalog Section A has several charts that show various manufacturer's adapters recommended for use with Ford Corporation Stops. An additional table shows the maximum drill size for Ford Corporation Stops that meet or exceed the AWWA C800 standard.

Please be sure to consult *both* tables (printed on back) if you are not familiar with the adapters or the drill sizes used

with Ford Corporation Stops.

The Ford Drilling machine will provide years of service and already has a proven track record with water utilities across the country. For more information about the Ford Drilling Machine contact your local Ford Distributor or The Ford Meter Box Company.



Drilling Machine Adapters

Table of Recommended Drill Sizes

for installation of Corporation Stops in Service Clamps or Saddles with a Drilling Machine

CORPORATION STOP SIZE	1/2"	5/8"	5/8"x3/4"	3/4"	3/4"x1"	1"	1-1/4"	1-1/2"	2"
Maximum Drill Size for Stop with AWWA thread inlet	7/16"	9/16"	9/16"	11/16"	11/16"	15/16"	1-3/16"	1-7/16"	1-7/8"
Maximum Drill Size for Stop with iron pipe thread inlet	7/16"	-	-	11/16"	11/16"	7/8"	1-3/16"	1-7/16"	1-7/8"

Recommended Drilling Machine Adapters

FORD CORPORATION SIZE AND NUMBER	OUTLET THREADS	MUELLER DRILLING MACHINES		ROMAC TAPMATE TOO	HAYS DRILLING MACHINES		FORD DRILLING MACH. MODEL 77
		No. E-4&E-5	No. D-4&D-5		No. 5930	No. 5935	
1/2" F1000	1/2" Copper	63796	-	-	354-05-504	-	DMA2-1
5/8"x3/4" F1000	3/4" Copper	52019	37902	351-05-506	354-05-506	355-05-506	DMA2-3
3/4" F1000, F1100	3/4" Copper	52019	37902	351-05-506	354-05-506	355-05-506	DMA2-3
3/4" FB1000, FB1100	3/4" Copper	59019	37902	351-05-506	354-05-506	355-05-506	DMA2-3
3/4"x1" F1000, F1100	1" Copper	36750	37903	351-05-508	354-05-508	355-05-508	DMA2-4
1" F1000, F1100	1" Copper	36750	37903	351-05-508	354-05-508	355-05-508	DMA2-4
1" FB1000, FB1100	1" Copper	36750	37903	351-05-508	354-05-508	355-05-508	DMA2-4
3/4" F1001, F1101, F1002, F1102	1" Copper	36750	37903	351-05-508	354-05-508	355-05-508	DMA2-4
3/4" FB1001, FB1002, FB1101, FB1102	1" Copper	36750	37903	351-05-508	354-05-508	355-05-508	DMA2-4
3/4"x1" F1001, F1101, 1" F1001, F1101, F1002, F1102	1-1/4" Copper	45385	37904	351-05-510	354-05-510	355-05-510	DMA2-5
1" FB1001, FB1002, FB1101, FB1102	1-1/4" Copper	45385	37904	351-05-510	354-05-510	355-05-510	DMA2-5
1"x1-1/4" F1000, F1100	1-1/4" Copper	45385	37904	351-05-510	354-05-510	355-05-510	DMA2-5
1-1/4" FB1000, FB1100	1-1/4" Copper	45385	37904	351-05-510	354-05-510	355-05-510	DMA2-5
1-1/2" FB1000, FB1100	1-1/2" Copper	501947	37905	351-05-512	-	355-05-512	DMA2-6
1-1/2" FB1002, FB1102	1-1/2" Copper	501947	37905	351-05-512	-	355-05-512	DMA2-6
1-1/4" FB1001, FB1002, FB1101, FB1102	1-1/2" Copper	501947	37905	351-05-512	-	355-05-512	DMA2-6
1-1/2" FB1001, FB1101	2" Copper	508201	37906	351-06-516	-	355-37	DMA2-7
2" FB1000, FB1100	2" Copper	508201	37906	351-06-516	-	355-37	DMA2-7
2" FB1001, FB1101, FB1002, FB1102	2" Copper	508201	37906	351-06-516	-	355-37	DMA2-7
1-1/2" FB1000-6-Q, FB1100-6-Q	1-1/2" Special Thd.	501949	507644	35-105-712	-	-	DMA4-6-Q
2" FB1000-7-Q, FB1100-7-Q	2" Special Thd.	508199	507645	351-05-716	-	-	DMA4-7-Q

Recommended Tapping/Inserting Machine Adapters

FORD CORPORATION SIZE AND NUMBER	OUTLET THREADS	MUELLER TAPPING MACHINES			HAYS TAPPING MACH. No. B-1
		No. B-100&B-101	No. B	No. A-2&A-3	
5/8"x3/4" F1000	3/4" Copper	680600	680600	680600	353-06-106
3/4" F1000, F1100	3/4" Copper	680600	680600	680600	353-06-106
3/4" FB1000, FB1100	3/4" Copper	680600	680600	680600	353-06-106
3/4"x1" F1000, F1100	1" Copper	680601	680601	680601	353-06-108
1" F1000, F1100	1" Copper	680601	680601	680601	353-06-108
1" FB1000, FB1100	1" Copper	680601	680601	680601	353-06-108
3/4" F1001, F1101, F1002, F1102	1" Copper	680601	680601	680601	353-06-108
3/4" FB1001, FB1002, FB1101, FB1102	1" Copper	680601	680601	680601	353-06-108
1" F1001, F1002, F1101, F1102	1-1/4" Copper	680602	-	680602	353-06-110
1" FB1001, FB1002, FB1101, FB1102	1-1/4" Copper	680602	-	680602	353-06-110
1"x1-1/4" F1000, F1100	1-1/4" Copper	680602	-	680602	353-06-110
1-1/4" FB1000, FB1100	1-1/4" Copper	680602	-	680602	353-06-110
1-1/2" FB1000, FB1100	1-1/2" Copper	-	-	88640	-
1-1/2" FB1002, FB1102	1-1/2" Copper	-	-	88640	-
1-1/4" FB1001, FB1002, FB1101, FB1102	1-1/2" Copper	-	-	88640	-
1-1/2" FB1001, FB1101	2" Copper	-	-	88641	-
2" FB1000, FB1100	2" Copper	-	-	88641	-
2" FB1001, FB1002, FB1101, FB1102	2" Copper	-	-	88641	-
1-1/2" FB1000-6-Q, FB1100-6-Q	1-1/2" Special Thd.	-	-	680421	-
2" FB1000-7-Q, FB1100-7-Q	2" Special Thd.	-	-	680422	-

WARNING: Some tapping machine adapters, furnished by the tapping machine manufacturers, are not threaded all the way to the bottom of the adapter. This can cause problems when installing Ford Pack Joint and Grip Joint style Corporation Stops. If your adapter is not threaded to the bottom a free washer for your screw plug adapter is available. See Catalog Section A page 21.