

## MILLER FALLS MODEL 185 AUTOMATIC HAND DRILL

<b>CONTENTS</b>	<b>PARAGRAPH</b>
<b>GENERAL</b>	1
<b>DESCRIPTION</b>	2
<b>OPERATION</b>	3
<b>PRECAUTIONARY MEASURES</b>	4

### 1. GENERAL

**1.01** This practice covers the description and use of the Miller Falls 185 Automatic Hand Drill, CTS #74-50-061-9. (See Figure 1). This practice is being reissued to reflect the System approved hand drill.

**1.02** The Miller Falls 185 automatic hand drill is to be used on wood trim, paneling and siding to drill pilot holes for placing screws (generally used by Outside Installers).

### 2. DESCRIPTION

**2.01** The automatic drill is a push-type drill. It is used with drill points suitable for drilling small holes in light metal or wood. The handle serves as a magazine for ten drill points.

**2.02** Drill points furnished with the automatic drill are listed in Table A.

### 3. OPERATION

**3.01** To remove a drill point from the magazine:

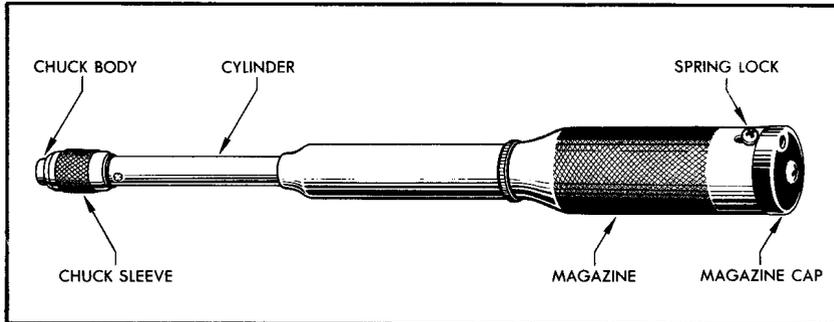
- a. Hold drill with magazine pointed down. Press spring lock forward and turn magazine cap to the desired drill point size.
- b. Remove the desired drill point by tilting the magazine downward.
- c. Turn the magazine cap back to its original position.

**3.02** To insert a drill point:

- a. Grasp the cylinder of the drill in the palm of the hand with the thumb against the back of the chuck sleeve.
- b. Slide the chuck sleeve forward past the end of the chuck body.
- c. Insert drill point in the chuck and release the chuck body.
- d. Rotary action of the drill is created by the forward stroke or push of the handle.

**TABLE A. DRILL POINTS**

QUANTITY	SIZE INCHES	INTENDED USE	REMARKS
1	1/16	Wood	Straight-fluted carbon steel drills, suitable for drilling wood
1	5/64	Wood	
1	3/32	Wood	
1	7/64	Wood	
1	1/8	Wood	
1	9/64	Wood	
1	5/32	Wood	
1	11/64	Wood	



**FIGURE 1. Miller Falls 185 Automatic Hand Drill**

#### **4. PRECAUTIONARY MEASURES**

**4.01** Observe the following precautions to prevent accidents and damage to tools or materials:

- a. Keep both hands behind the drill point during operation.
- b. Use suitable eye protection when the drill is used.
- c. Remove the drill point from the chuck when not in use.
- d. Do not use drill points that are bent.
- e. Mark the location to be drilled and remove the apparatus before drilling holes.
- f. Start guide holes with a center punch when metal is being drilled.
- g. Use only enough pressure to operate the drill. (This is particularly important when using the small 1/16-inch drill point).
- h. Hold the drill at a right angle to the surface being drilled.