

# Operating Instructions

1. Remove the Drilling Machine from the Tool Box (DMTB) and lay it on a flat surface. Back the Feedscrew (DMHF) out until the end is flush with the Yoke Assembly (DMY).



2. Select the diameter of Boring Bar (DMBB) which will pass through the corporation stop when it is open. Attach the Drill (DMD) to the Boring Bar (DMBB) and lightly tighten with the adjustable wrenches.



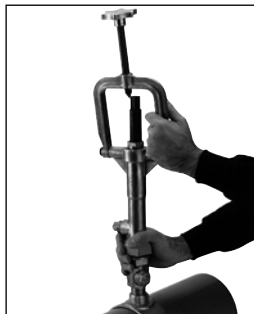
3. Insert the Boring Bar (DMBB) into the body of the machine until the shoulder hits the stop. Gently tighten the Packing Bushing (DMPB).



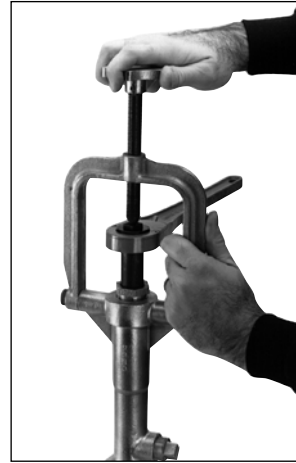
4. Select the Adapter (DMA) that matches the outlet threads on the corporation stop. Attach the Adapter (DMA) to the bottom of the Drilling Machine.



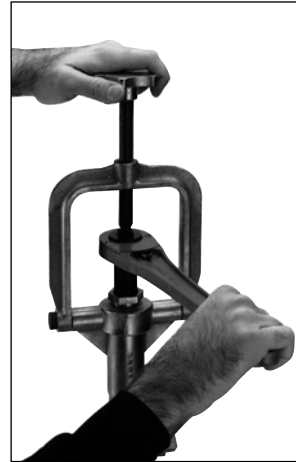
5. Mount the pipe saddle and corporation stop on the water main and tighten the saddle straps. Mount the Drilling Machine onto the corporation stop. **Check to be sure the corporation stop is fully open.**



6. Carefully lower the Drill (DMD) until it touches the water main. Attach the Ratchet (DMRW) to the top of the Boring Bar (DMBB). Raise the Yoke (DMY) until the Feedscrew (DMHF) is centered over the Boring Bar (DMBB). Place a few drops of oil on the point of the Feedscrew (DMHF) and mate the point with the center of the Boring Bar (DMBB). Open Chip Flushing Port (if equipped.)



7. Rotate the Ratchet (DMRW) clockwise while applying a **light** turn of the Feedscrew (DMHF). Make at least two (2) quarter turns of the Ratchet (DMRW) before applying more pressure on the Feedscrew (DMHF). Use Feedscrew (DMHF) as follower only and exert light pressure on the Boring Bar (DMBB). When drilling PVC pipe use a steady continuous cutting action and do **not** stop until the cutter is completely through the pipe. With PVC it is important to continue cutting until the Shell Cutter has penetrated the wall of the water main and the Boring Bar (DMBB) shoulder contacts the bottom stop in the Adapter (DMA).



8. Slowly reverse the Feedscrew (DMHF) and allow the Boring Bar (DMBB) to back out until it hits the top stop in the machine. Close the corporation stop and release the entrapped pressure before removing the Drilling Machine from the corporation stop.

