

PUMP DRILLS

hand-held tool for drilling holes in bone, shell, wood, soft stone

spindle



used to make holes in pendants, beads, hoes, atlatl weights, flutes, smoking pipes



1. twist crosspiece and

. twist crosspiece and cordage around spindle

Steps in Pump Drilling

2. push crosspiece down and let it bounce back up

3. continue slowly pushing down and releasing crosspiece







THE SERVICE OF THE SE

flywheel

drill bit



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