

STEP BY STEP INSTRUCTIONS FOR KITS WITH PINNED HANDLES

MATERIALS

BLADE
HANDLE MATERIAL
MASKING TAPE
PINS
EPOXY
SANDPAPER (200-600 GRIT)

TOOLS:

SCRIBE
DRILL BITS & DRILL
FILES
JEWELERS SAW
VISE
BALL PEIN HAMMER

1. SELECT MATERIALS AND TOOLS REQUIRED FOR YOUR CUSTOM KNIFE. **READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING.**
2. COVER SHARP EDGE OF BLADE WITH MASKING TAPE. THIS WILL PROTECT YOU AND THE BLADE.
3. MARK THE SIDE OF YOUR HANDLE MATERIAL THAT WILL FIT NEXT TO TANG BEING CAREFUL TO MATCH ANY COLOR PATTERNS THAT YOUR MATERIAL MAY CONTAIN.
4. LAY BLADE ON HANDLE MATERIAL. SCRIBE OUTLINE OF BLADE ONTO HANDLE (YOU MAY WISH TO CLAMP FIRST SO THE HANDLE WILL NOT SLIP). REPEAT WITH SECOND PIECE OF HANDLE MATERIAL USING OPPOSITE SIDE OF THE TANG.
5. LEAVING SLIGHTLY OVERSIZE, REMOVE EXCESS HANDLE MATERIAL WITH JEWELERS SAW, BELT SANDER OR OTHER MEANS AVAILABLE. **DO NOT OVER GRIND.**
6. USING 220 GRIT SANDPAPER, SAND THE HANDLE MATERIAL FLAT ON THE SIDE THAT WILL FIT AGAINST TANG OF BLADE. SAND THE TANG OF BLADE WITH SAME PAPER. THIS WILL REMOVE ANY FOREIGN MATERIAL AND ASSURE A GOOD ADHESION OF BLADE TO HANDLE MATERIAL.
7. CAREFULLY ATTACH ONE (1) PIECE OF HANDLE MATERIAL TO TANG OF BLADE WITH EPOXY. MAKE SURE THE HANDLE MATERIAL IS CENTERED PROPERLY. CLAMP AND ALLOW EPOXY TO SET. YOU MAY WANT TO ALLOW DRYING OVERNIGHT.
8. USING PIN HOLES IN BLADE AS A TEMPLATE, DRILL HOLES WITH PROPER DRILL BIT. BE SURE TO DRILL IN CENTER OF HOLES, DRILL SLOWLY AND CAREFULLY SO YOU WILL NOT SPLINTER HANDLE MATERIAL. (A DRILL PRESS IS BEST IF AVAILABLE). **EXTREME CAUTION** IS ADVISED WHEN USING YOUR BLADE AS A PATTERN FOR DRILLING HOLES. BE SURE THE BLADE AND HANDLE MATERIALS ARE CLAMPED SECURELY AND THE OPERATOR FROM BEING CUT OR OTHERWISE INJURED IF THE DRILLING OPERATION TRIES TO TWIST OR GRAB THE WORK OUT OF THE VISE.
9. REPEAT STEP 7 USING SECOND PIECE OF HANDLE MATERIAL.
10. DRILL HOLES FOR PINS AS IN STEPS 7 & 8 USING HOLES THROUGH HANDLE MATERIAL AS GUIDES. HOLES MUST BE DRILLED STRAIGHT

AND PROPERLY CENTERED FOR PINS TO FIT CORRECTLY.

11. INSERT PINS THROUGH HOLES DRILLED IN HANDLE MATERIAL. IT MAY BE NECESSARY TO POLISH YOUR PINS AND THONG HOLE TUBING WITH EMERY CLOTH TO ASSURE THEY WILL SLIDE IN AND OUT OF THE HOLES EASILY. THEY SHOULD BE SNUG, BUT NOT TIGHT ENOUGH TO RISK CRACKING THE WOOD WHEN PUSHING IN OR OUT.
12. MIX A SMALL AMOUNT OF EPOXY. ROLL PINS IN EPOXY. INSERT PINS IN HOLES. ALLOW TO DRY UNTIL SET. EXCESS PIN MATERIAL WILL BE SANDED OFF WHEN SHAPING AND BUFFING THE HANDLE.
13. YOU ARE NOW READY TO SHAPE YOUR HANDLE. POWER TOOLS SUCH AS BELT SANDERS AND DREMEL TOOLS WITH SANDING DRUMS AID GREATLY IN SPEEDING UP THE SHAPING AND ROUGHING WORK. HOWEVER, FINAL HAND SHAPING AND SANDING PRODUCE THE BEST RESULTS. USING A FILE, A HALF ROUND SECOND CUT WORKS GREAT, SHAPE YOUR HANDLE TO THE DESIRED SHAPE, FITTING YOUR HAND. SAND WITH SANDPAPERS, FINISHING WITH A 600 GRIT WET DRY. IF A POLISHED LOOK IS DESIRED, BUFF WITH A MUSLIN WHEEL AND WHITE ROUGE.
14. REMOVE MASKING TAPE, CLEAN AND SHARPEN YOUR KNIFE TO A KEEN EDGE.