VISE GRIPS - UNIBITS

TIGHT-FIT DRILL KIT

Space, every inch of it, is at a premium in aircraft design as shape and weight is critical to function. Also, airplanes are riveted together which requires thousands of holes to be drilled in difficult locations without scratching or marring the work surface. So, engineers needed to design a versatile “chuck-less” drill attachment that could reach into very confined areas. The answer was found in putting threads on the shanks of drill bits. The benefits are significant. Threaded drill bits eliminate the need for a chucking mechanism. Freed of this restriction, it is possible to do a wide variety of jobs in places with extreme space limitations (less than 1” x 2”). Chuck slippage is all but eliminated while the precision mating angle between threaded drill and drive spindle insures concentricity. Drill bit change times are reduced, an exact working drill bit length is insured and the chance of marring or scratching the work surface is greatly reduced. The Model 00105 Kit includes: a versatile close-quarter Right Angle Drill Attachment capable of drilling up to 1/4” diameter holes and compatible with all standard power drills, a 6” Threaded Extension for those deep hard-to-reach spots, a Chucking Spud which allows direct use of threaded TightFit® drill bits and extensions with your standard drill motor, five aircraft quality threaded TightFit® drill bits (Short Drill Bit Set, 00133), a Tight Fit® 3-Way Wrench, and is packaged in a red, heavy-duty, blow-molded storage case. Features: Attaches to any power drill; 5 Drills 2” long in same diameters as above.

DELUXE FIT TOOL KIT PROFESSIONAL MODEL

- 1- Right angle drilling attachment
- 1- 6” Threaded Extension Rod
- 1- Chucking spud
- 1- 5/16” Theway Wrench
- 1- 12. Threaded Shank Drill Bits (Split into a quantity of 6 each)
- 6- Stub drill bits in the following diameters: 3/32”, 1/8”, 5/32” 3/16”, 7/32” and 1/4"
- 6- Stub Bits (1-1/2”) in the same diameter.
- 4- Screwdriver Bits Set: Phillips #1 & #2 and Slotted #3-4, & #6-68.
- 2- 1/8” & 1/4” Threaded Collets
- 1- 5/16” Combination Wrench
- 1- Pro Kit Red Storage Case P/N 12-11215 $69.75

CARBIDE TIPPED HOLE CUTTERS

Multiple tungsten carbide tips for long life and smooth cutting. Cut fast, accurate, high quality holes in stainless steel, copper, aluminum. Steel. Flange stop prevents over drilling. Replaceable cobalt steel pilot drill, with split point tip design, to improve performance and resist walking; eliminates need for “center punch.” Size: .7/8in., 22.2mm Min. Chuck Size: 1/4in. 6.4mm PG 13 Coduit Size: 1/2”

Blair Hole Cutter

The Blair hole cutter fits any 1/4” drill and set includes 7 blades (1/4” to 5/8” arbor), pilot and holder. The blades are threaded onto arbor and precise control of the depth of cuts is provided by adjusting screws. Over 3000 holes in sheet metal can be cut by each blade. Model TP147 P/N 12-00243 $107.75

Flanging-360 Tool

This is a companion tool to the ARC-360 lightning hole cutter. The Flanger-360 will form a 30 degree flange on 2024-T3 aircraft aluminum up to .032” thick and in diameters from 2 to 6 inches. Its polished hardened steel rollers gently and effortlessly form the flange as the operator rotates the tool around the lightning hole. Unlike other flanging tools that rely on the skill and eye of the operator, the Flanger-360 stays in constant position with the lightning hole guide rollers as it progressively forms the flange. P/N 12-002030 $199.00

UNIBIT STEP DRILL

The UNIBIT Step Drill uses a unique single flute design to drill perfectly round holes in thin materials quickly and with less effort than any other bit on the market today. UNIBIT incorporates cutting steps of progressively larger diameter, making it possible to drill up to 13 different hole sizes with a single bit. Once the desired hole diameter is obtained, the hole is automatically deburred by the cutting edge of the next larger step. UNIBIT #1 drills 13 holes in 1/32” increments from 1/8” through 1/2” and has a shank size of 1/4”. UNIBIT #2 drills 6 sizes of holes from 3/16” through 1/2” and has a 3/8” step thickness with a 1/8” shank. UNIBIT #3 drills 9 sizes of holes from 1/4” to 3/4” and has a step thickness of 1/8” with a 3/8” shank. UNIBIT #5 drills holes 1/4” -1-3/8”, 10 steps. UNIBIT #1 drills 13/16”-1-3/8”, 10 steps.

LOCKING C-CLAMP WITH SWIVEL 6 INCH

Locking C-Clamp W/Swivel Pad, 6 In. Specifications: Size: 6”; Capacity (In.): 2; Throat Depth (In.): 1-1/8; Clamping Force (Lb.): 500; Locking Mechanism: Release Lever, Screw Mechanism: Adjusts Clamping Pressure, Pliers Length (In.): 7 11/16; Finish: Nickel Plated; Material: Hardened Carbon Steel, Standards: ASME B107.36-2002 P/N 12-02422 $17.50