# E 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 thou-sands 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-guarter Right Angle Drill The Model 00105 Kit includes: a versatile close-quarter Hight Angle Drill Attachment capable of drilling up to 1/4" diameter holes and compat-ible 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: Attachee to any power drill. duty, blow-molded storage case. Features: Attaches to any power drill; Recommended operating speed not to exceed 2500 rpm. • Light weight; Right angle drill weighs 1/3 of a pound and rotates 360 degrees for tightspot access. • Threaded components allow for fast, easy tool changes; Drill over, under or around obstructions. • Design allows "deep reach" in confined areas; Provides utility of extension drill bit set.

P/N 12-01334 .....\$58.75

#### ACCESSORIES

Stub Drill Kit - 5 Drills 9/16" long in 3/32", 1/8",5/32",3/16",1/4" Dia. P/N 12-20310 ..... ---

Short Drill Kit - 5 Drills 1-1/8" long, in same diameters as above P/N 12-20320 .....

Long Drill Kit - 5 Drills 2" long in same diameters as above. P/N 12-20330 .....

Screwdriver Set - #1 & #2 Phillips bits, small & large slotted bits. P/N 12-20340 .....

Extension Set - 4 Extensions in 1/2", 3" 6" & 9" (can be combined for a ....P/N 12-20350 ..... work length of 18") ..... **Collet Adapter -** Designed to hold all 1/4" shank accessories (countersinks, rotary files, sanding drums).....P/N 12-20360 .....



#### #3-#4, & #6-#8.

· 2- 1/8" & 1/4" Threaded Collets

 1- 5/16" Combination Wrench 

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  $1/32^{\circ}$  increments from  $1/8^{\circ}$  through  $1/2^{\circ}$  and has a shank size of  $1/4^{\circ}$ . UNIBIT #2 drills 6 sizes of holes from  $3/16^{\circ}$  through  $1/2^{\circ}$  and has a  $3/8^{\circ}$  step thickness with a 1/4" 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 #21 drills 13/16"-1-3/8". 10 steps.

any other bit on the market today. UNIBIT incorporates cutting

**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 via guide rollers as it progressively forms

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

the flange......P/N 12-02030 ......----

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	Description	Part No.	Price
	UNIBIT #1 Step Drill	12-03700	
	UNIBIT #2 Step Drill	12-03800	
	UNIBIT #3 Step Drill	12-03900	
	UNIBIT #4 Step Drill	12-03164	

## 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 ..... ---

## 856

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