

TIGHT FIT[®]

Tools for
Hard-to-Reach
Problems

TOOLS




00110 Hex Bit Model

“Tools For Hard to Reach Problems”

KITS & SETS

Order Online at www.TightFitTools.com
or Call Toll Free 1-800-669-6213

Tight Fit® Drill Kits

The Tight Fit® Drill Kit is a power drill accessory tool set that allows drilling or other work to be done in spaces as small as one by two inches (1" x 2"). Installations or repairs can be made without disassembly of other components. The aircraft style 90 degree right angle drill attachment works with all standard power drills and accomodates a large assortment of drill bit diameters and lengths, extensions, screwdriver bits, and other tools used for close-quarter installations and/or repairs. Tight Fit® Tools make it possible to drill in tight areas, around corners, over obstructions and into deep or narrow recesses. Refer to specific items for more complete tool descriptions.



00100

The Lite Model 00100 Kit includes: an aircraft style Right Angle Drill Attachment, a 1/8" short aircraft quality threaded TightFit® drill bit, and a tight fit Three-Way Wrench.



00105

The Boxed Standard Model 00105 Kit includes: everything listed in the 00101 except the storage pouch which is replaced with a red, heavy-duty, blow-molded storage case.

00101

The Standard Model 00101 Kit includes: an aircraft style Right Angle Drill Attachment, Threaded Six Inch Extension, Chucking Spud, six aircraft quality threaded TightFit® drill bits (00131), a tight fit Three-Way Wrench, and a compartmented storage pouch.



00106

The Collet Model 00106 Kit includes: an aircraft style Right Angle Drill Attachment, four straight shank, short length (1.1875") drill bits (3/32", 1/8", 5/32" and 3/16") with matching precision-machined threaded collets (instead of the need for threaded shank drill bits), and a tight fit Three-Way Wrench.



00102

The Professional Model 00102 Kit includes tools listed in the 00101 Kit plus the following items: 12 TightFit® drill bits (fractional sizes: 3/32" to 1/4", in short and stub lengths), Screwdriver Bit Set, a Threaded 1/4" Collet (allows tight fit use of wire wheels, rasps, files, sanding drums, etc.), a 1/2" Countersink/Deburring Tool. Packaged in a red, heavy duty, blow-molded storage case.



00110

The 1/4 Inch Hex Bit Model 00110 Kit includes: an aircraft style Right Angle Tool Attachment, six aircraft quality TightFit® hex shank power drill bits and four hex screwdriver power bits (#1 & #2 Phillips and #2-4 & #6-8 slotted). Packaged in a reusable slide pack.



Extension Set



00120

Extensions thread together to form lengths of: 5/8, 3, 6, 9, 12, 15 & 18 inches. May be used direct or with the Right Angle Drill Attachment. (Does not work with 00106 or 00110 kits)

TightFit® Threaded Drill Bit Sets



00131

Combo Drill Set

Rivet diameters:

3/32", 5/32", 3/16"

Long & 1/8" in 3 lengths.

00132

2 1/8" Long Series

Long, Short & Stub Series

include these drill

bit diameters: 3/32", 1/8", 5/32", 3/16" & 1/4".

00133

1 1/4" Short Series

Short Series

include these drill

bit diameters: 3/32", 1/8", 5/32", 3/16" & 1/4".

00134

1/2 - 5/8" Stub Series

Stub Series

include these drill

bit diameters: 3/32", 1/8", 5/32", 3/16" & 1/4".

About TightFit® Threaded Drill Bits

TightFit® drill bits comply with National Aerospace Standards. The Standard provides the following description, "A special short flute, heavy duty drill designed for drilling the hard, high strength alloys used in aircraft manufacturing." The drill bits are made from M2 or M7 tool steel with self-centering, 135°, P3 split points and a Rockwell C scale hardness of 63.5 to 66. They are manufactured as right-hand tools with 5/16" hex wrench flats and 1/4-28 UNF-2A external threads. TightFit® drill bits are concentric, self-tightening, non-slipping long life tools designed for work in limited space situations. (Does not work with 00106 or 00110 kits)

Screwdriver Bit Set



00155

Threaded screwdriver bits work with the Right Angle Drill Attachment, Extensions or Chucking Spud for close-quarter installations. In the Set are Phillips #1 & #2 and Slotted 3-4 & 6-8. (Does not work with 00106 or 00110 kits)

CAUTION

Wear safety goggles when using these tools. Do not exceed 2500 RPM. Grip Right Angle Drill Attachment firmly. Keep tools away from all children.

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ACCESSORY ITEMS

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Right Angle Drill & Tool Attachments



00400

The aircraft style Right Angle Drill & Tool Attachments allows work to be done in areas with only 2" or 2 1/2" of clearance. The tools are compatible with all standard power drills. Utilization of a molded cavity insures a consistent fit for the precision-made internal components which include: steel machined bevelled miter gears, hardened thrust block and driveshaft, and oil-impregnated bearings. The housing which hinges open for easy periodic lubrication is sleeved by a non-slip knurled, black anodized aluminum grip. In addition to TightFit® drill bits, the Right Angle Drill & Tool Attachments allows close-quarter use of many other tools. The new style 00405 Right Angle Tool Attachment accepts all 1/4" hex bit tools and is fully reversible, which allows it to both drive screws and remove screws.

00405



Threaded Extensions

Chucking Spud (00450)
Allows TightFit® drill bits and other threaded tools to be used normally with reduced tool change times.



00450
Chucking Spud



00452
3" Extension



00454
6" Extension



00456
9" Extension

About Extensions

Threaded Extensions are extremely versatile and provide the functional utility of several extension drill bit sets. Too often drill bits are too short or too long for specific jobs. The Extensions thread together to create any tool length necessary to get at a problem in a deep or narrow location. In addition to TightFit® drill bits, the extensions work with a variety of other threaded tools. They also work with the Right Angle Drill Attachment for getting around corners or over/under obstructions. (Does not work with 00106 or 00110 kits)

Collet Conversion Kit



00240

A six piece collet conversion kit that includes a front collet gear, gear support, 3/32", 1/8", 5/32" & 3/16" collets. It allows you to convert your right angle drill (00400) to accept standard shank tools.

Tight Fit 3-Way Wrench

00491



Custom stamped wrench used to remove threaded tools that self-tighten during use. 3-way design works with various wrench flats: 1/4" hex Screwdriver Bits, 5/16" hex TightFit® drill bits and Extensions, and 3/8" hex Countersinks, etc.

1/4" Threaded Collet

00510



Allows close-quarter use of standard 1/4" round shank tools like: wire wheels, files, rasps, sanding & buffing drums, etc. Works with Right Angle Drill Attachment and Extensions.

Threaded Countersink

00525



1/2", 6 flute, 90°, high speed steel countersink/deburring tool for general purpose work in confined areas. The Countersink can be used to deburr or chamfer with the Right Angle Attachment, Chucking Spud, or Extensions.

TightFit® Drill Bits



TightFit® threaded drill bits are available in an assortment of diameters and lengths. Refer to the order form for a list of stock items.

Through our Special Order Department, TightFit® drill bits are available for specific applications in other materials (cobalt steel, solid carbide, etc.), lengths, diameters, and types. Reamers, core drills and stepped or piloted cutting tools are also available. Tools can be made to your specifications.

Aircraft quality cutting tools are also available unthreaded. Quotations for these items will be made upon request.

TightFit® 1/4" power hex drill bits are currently available in a few diameters and lengths. Refer to the order form for a list of stock items.



Replacement Parts For 00400 Angle Head



00220
Front Gear & Support



00225
Back Gear & Driveshaft



00230
Both 00220 & 00225

For 00405 Angle Head



00250
Front Gear Assembly



00255
Back Gear & Driveshaft



00260
Both 00250 & 00255

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Tight Fit® Tools 12164 Severn Way Riverside, CA 92503 (951) 520-8267 FAX (951) 520-8909

TIGHTFIT® DRILL BITS

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THREADED SHANK FRACTIONAL DIAMETERS

DRILL DIA.	LONGS QTY.	PART #	SHORTS QTY.	PART #	STUBS QTY.	PART #	TOTAL QTY.	PRICE	EXTENDED PRICE
3/32"		11094		21094		31094		3.67	
1/8"		11125		21125		31125		3.99	
5/32"		11156		21156		31156		3.79	
3/16"		11188		21188		31188		4.29	
7/32"		11219		21219		31219		4.99	
1/4"		11250		21250		31250		4.83	

THREADED SHANK WIRE GAUGE DIAMETERS

#40		11098		21098		31098		3.27	
#30		11128		21128		31128		3.22	
#27		11144		21144		31144		4.11	
#21		11159		21159		31159		3.79	
#20		11161		21161		31161		3.79	
#13		11185		21185		31185		4.44	
#11		11191		21191		31191		4.34	
#10		11193		21193		31193		4.25	



1/4 INCH HEX SHANK FRACTIONAL DIAMETERS

3/32"		11098A		N/A		N/A		2.98	
1/8"		11128A		21128A		N/A		2.98	
5/32"		11159A		21159A		N/A		2.98	
3/16"		N/A		21193A		N/A		2.98	

Note: Cobalt drill bits and other diameters are available. Drills comply with National Aerospace Standards.

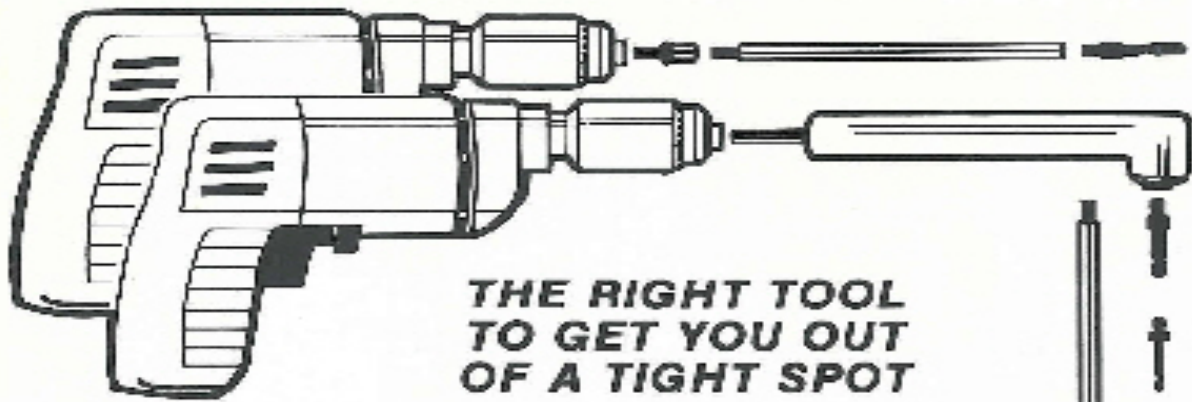
*Hawaii, Alaska & Canada add \$5 to 10%. All other Countries call for shipping & handling.

*Shipping & Handling (10% of Sub-Total or \$10)
Sales Tax (Calif. residents, 8.75% of Sub-Total)

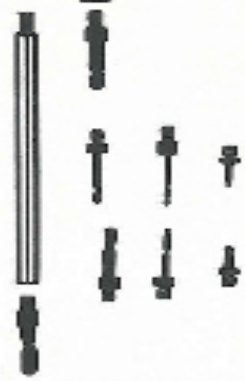
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Aircraft manufacture and repair requires tools designed to work in very limited spaces. The types of tools illustrated are typical of those used in the aircraft industry. TightFit® drill bits meet or exceed National Aerospace Standards with respect to material, geometry and hardness. Tight Fit® Tools will save you time, money, and frustration.



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