

# TIGHT FIT<sup>®</sup> TOOLS

Tools for Hard-to-Reach Problems

**MODEL 00110**

**TIGHT FIT<sup>®</sup> TOOLS**  
Tools for Hard-to-Reach Problems

## TIGHT FIT<sup>®</sup> HEX BIT

**DRILL & SCREWDRIVER ATTACHMENT KIT**

**Fits Into 1" x 2 1/2" Openings**

**Saves Time, Money & Frustration**  
When faced with Tight or Hard-To-Reach Problems

**Works with:**

- All Power Drills
- Power Hex Screwdrivers
- Hand Hex Screwdrivers
- Standard 1/4" Hex Tools

**Clearance Diameters**

1/8" [#30] Short    5/32" [#21] Short    3/16" [#10] Short

3/32" [#40] Long    1/8" [#30] Long    5/32" [#21] Long

**Clearance Diameters**

#1 Phillips    #2 Phillips    2-4 Slotted    6-8 Slotted

- Drill holes or drive screws
- Reach around obstructions
- Rotate 360°; reach deep
- Full 75 in/lbs of torque

**Great For:**  
Home, Car, Boat, RV, Plane, Hobby or Work repairs & installations

**See Back for more details**

**“Tools For Hard to Reach Problems”**


# KITS & SETS

Order Online at [www.TightFitTools.net](http://www.TightFitTools.net)  
or Call (951) 520-8549

## 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 or drive screws in tight areas, around corners, over obstructions and into deep or narrow recesses. Refer to specific items for more complete tool descriptions.

**00100**




The Basic Model 00100 Kit includes: an aircraft style Right Angle Drill Attachment, a 1/8" short aircraft quality TightFit® threaded shank drill bit, and a TightFit® 3-Way Wrench (1/4", 5/16" & 7/16").

**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 Drill Extension, Chucking Spud, six aircraft quality TightFit® threaded shank drill bits (00131), a TightFit® 3-Way Wrench (1/4", 5/16" & 7/16"), and a compartmented storage pouch. **Note:** This item has been discontinued.

**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 TightFit® 3-Way Wrench (1/4", 5/16" & 7/16").

**00102**



The Professional Model 00102 Kit includes tools listed in the 00101 Kit plus the following items: 12 TightFit® threaded shank drill bits (fractional sizes: 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4", in short and stub lengths), 4 Piece Threaded Screwdriver Bit Set (00155), Threaded 1/8" & 1/4" Collets (allows tight fit use of wire wheels, rasps, files, sanding drums, etc.). 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 #3-4 & #6-8 slotted). Packaged in a reusable slide pack.

### Extension Tool Set



**00120**

Drill/Tool 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 Shank Drill Bit Sets



**00131**

**Combo Drill Set**

Rivet diameters:

**00132**

**2-1/8"**

**Long Series**

**00133**

**1-1/4"**

**Short Series**

**00134**

**1/2 - 5/8"**

**Stub Series**

Long, Short & Stub Series Sets include these drill & 1/8" in 3 lengths. bit diameters: 3/32", 1/8", 5/32", 3/16" & 1/4".

### About TightFit® Threaded Shank Drill Bits

TightFit® threaded shank 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® threaded shank 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.**

## "Tools For Hard to Reach Problems"

# ACCESSORY ITEMS

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## Right Angle Drill & Tool Attachments

The aircraft style Right Angle Drill & Tool Attachments only require 2" or 2-1/2" of clearance. They are compatible with all standard power drills. A molded cavity insures a consistent fit for the precision-made internal components which include: heat treated steel machined bevelled miter gears, hardened thrust block and driveshaft, and oil-impregnated bearings. The hinged housing opens for easy periodic lubrication and is sleeved by a non-slip knurled, black anodized aluminum grip. In addition to TightFit® drill bits, many other close-quarter tools can be used. The 00400 accepts 1/4-28 threaded shank tools. The 00405 is reversible and accepts 1/4" hex bit tools. The 00410 uses collets (3/32", 1/8", 5/32" & 3/16") and accepts round straight shank tools.



00400



00405



00410

### Threaded Tool Extensions

**Chucking Spud (00450)**  
Allows TightFit® threaded shank 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 Drill/Tool 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 a variety of tool lengths necessary to get at a problem in a deep or narrow location. In addition to TightFit® threaded shank 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. Convert your right angle drill attachment (00400) to accept round straight shank tools.

### TightFit® 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 7/16" hex Countersinks, etc.

### Threaded Tool Collet

00500/00502/00504/00506/00508/00510

Allows close-quarter use of standard round shank tools like: wire wheels, files, rasps, sanding & buffing drums, etc. Works with Right Angle Drill Attachment (00400) and Extensions. Available in 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"



### 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 Drill Attachment (00400), Chucking Spud, or threaded Extensions.

### TightFit® Drill Bits



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

Through our Special Order Department, TightFit® drill bits are available 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.

TightFit® 1/4" power hex drill bits are currently available in a few diameters and lengths. See 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 ORDER FORM

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or Call (951) 520-8549



**Tight Fit® Tools**  
12164 Severn Way  
Riverside, CA 92503

**Date:** \_\_\_\_\_

Shipping Method to use: \_\_\_\_\_

Choose One  AMEX  Discover  MasterCard  VISA

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**30 DAY-NO RISK, MONEY-BACK GUARANTEE**

**SOLD TO**

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ APT NO. \_\_\_\_\_

P.O. BOX \_\_\_\_\_ RURAL ROUTE \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE (\_\_\_\_) \_\_\_\_\_

EMAIL \_\_\_\_\_

Signature \_\_\_\_\_

My Card Expires: \_\_\_\_\_

CVV # (Security Code) \_\_\_\_\_

Bill To Address (if different than Shipping Address)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

## PRICES SUBJECT TO CHANGE WITHOUT NOTICE

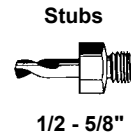
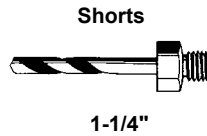
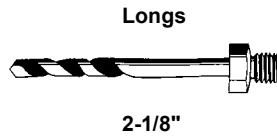
PART #	DESCRIPTION	QUANTITY	PRICE	EXTENDED PRICE
00100	TIGHT FIT® DRILL KIT "BASIC"		34.98	
00101	TIGHT FIT® DRILL KIT "STANDARD"		49.98	
00102	TIGHT FIT® DRILL KIT "PRO"		79.98	
00105	TIGHT FIT® DRILL KIT "STANDARD BOXED"		54.98	
00106	TIGHT FIT® DRILL KIT "COLLET"		39.98	
00110	TIGHT FIT® TOOL KIT "1/4 INCH HEX BIT"		39.98	
00120	4 PIECE DRILL/TOOL EXTENSION SET		19.98	
00131	TIGHTFIT® THREADED SHANK DRILL BIT SET 1, COMBO*		19.98	
00132	TIGHTFIT® THREADED SHANK DRILL BIT SET 2, LONGS**		19.98	
00133	TIGHTFIT® THREADED SHANK DRILL BIT SET 3, SHORTS**		19.98	
00134	TIGHTFIT® THREADED SHANK DRILL BIT SET 4, STUBS**		19.98	
00141/00141A	#1 PHILLIPS THREADED OR 1/4" HEX SCREWDRIVER BIT		0.98	
00142/00142A	#2 PHILLIPS THREADED OR 1/4" HEX SCREWDRIVER BIT		0.98	
00147/00147A	#3-4 SLOTTED THREADED OR 1/4" HEX SCREWDRIVER BIT		0.98	
00149/00149A	#6-8 SLOTTED THREADED OR 1/4" HEX SCREWDRIVER BIT		0.98	
00155	4 PIECE THREADED SCREWDRIVER BIT SET@		3.49	
00220	00400 REPAIR KIT 1-FRONT GEAR, GEAR SUPPORT & GEAR GREASE PACKET		7.98	
00225	00400 REPAIR KIT 2-BACK GEAR, DRIVESHAFT & GEAR GREASE PACKET		12.98	
00230	00400 REPAIR KIT 3-BOTH REPAIR KITS 1 & 2		19.98	
00240	COLLET CONVERSION KIT		15.98	
00250	00405 REPAIR KIT 1-FRONT GEAR ASSEMBLY & GEAR GREASE PACKET		10.98	
00255	00405 REPAIR KIT 2-BACK GEAR, DRIVESHAFT & GEAR GREASE PACKET		14.98	
00260	00405 REPAIR KIT 3-BOTH REPAIR KITS 1 & 2		23.98	
00400	RIGHT ANGLE DRILL ATTACHMENT "THREADED SHANK STYLE"*@		29.98	
00405	RIGHT ANGLE TOOL ATTACHMENT "1/4 INCH HEX BIT STYLE"		34.98	
00410	RIGHT ANGLE DRILL ATTACHMENT "COLLET STYLE"		30.98	
00450	CHUCKING SPUD*@		3.98	
00452	3" THREADED TOOL EXTENSION		5.98	
00454	6" THREADED TOOL EXTENSION*@		6.98	
00456	9" CHUCKING TOOL EXTENSION		7.98	
00491	TIGHTFIT® 3-WAY WRENCH (1/4", 5/16" & 7/16")*@		1.50	
00500/00502/00504/00506/00508/00510	THREADED TOOL COLLET 3/32", 1/8", 5/32", 3/16", 7/32" or 1/4"@		7.98	
00525	1/2" 6 FLUTE 90 DEGREE THREADED COUNTERSINK@		3.98	

\*Included in 00101 & 00105 Kits @Included in 00102 Kit \*\*Drill Set Diameters: 3/32", 1/8", 5/32", 3/16", 1/4" Total

Tight Fit® Tools 12164 Severn Way Riverside, CA 92503 (951) 520-8549 FAX (951) 520-8909 info@tightfittools.net

# TIGHTFIT® DRILL BITS

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or Call (951) 520-8549



## THREADED SHANK DRILL BITS FRACTIONAL DIAMETERS

DRILL DIA.	LONGS QTY.	PART #	SHORTS QTY.	PART #	STUBS QTY.	PART #	TOTAL QTY.	PRICE	EXTENDED PRICE
3/32"		11094		21094		31094		4.45	
1/8"		11125		21125		31125		4.30	
5/32"		11156		21156		31156		4.37	
3/16"		11188		21188		31188		4.52	
7/32"		11219		21219		31219		5.52	
1/4"		11250		21250		31250		5.46	

## THREADED SHANK DRILL BITS WIRE GAUGE DIAMETERS

#40		11098		21098		31098		3.43	
#30		11128		21128		31128		3.38	
#27		11144		21144		31144		4.32	
#21		11159		21159		31159		3.98	
#20		11161		21161		31161		3.98	
#13		11185		21185		31185		4.66	
#11		11191		21191		31191		4.56	
#10		11193		21193		31193		4.46	



## 1/4 INCH HEX SHANK DRILL BITS 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.

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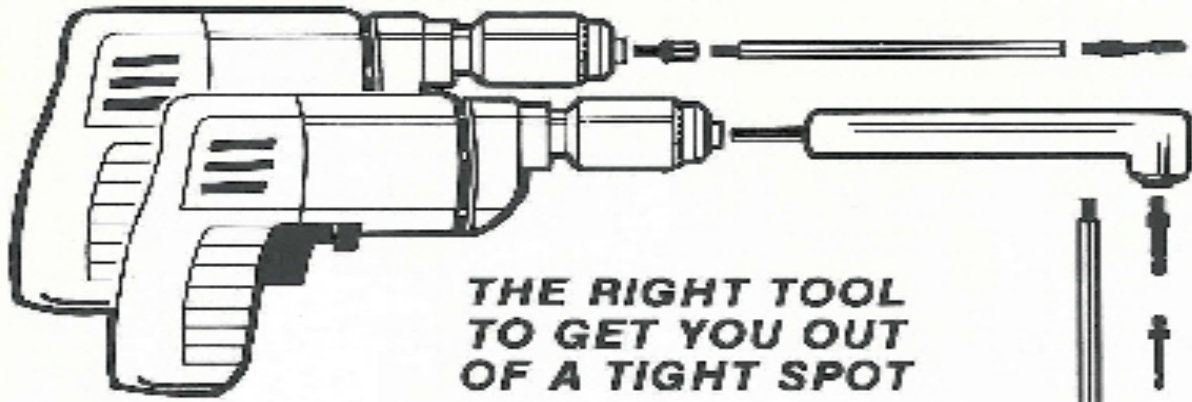
Sub-Total

Shipping & Handling (can get from our website)

Sales Tax (California residents, 8-3/4% of Sub-Total)

TOTAL ORDER

## "Tools For Hard to Reach Problems"



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.



## “Tools For Hard to Reach Problems”

Tight Fit® Tools  
 12164 Severn Way  
 Riverside, CA 92503

Place  
 Stamp  
 Here

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Information You Requested