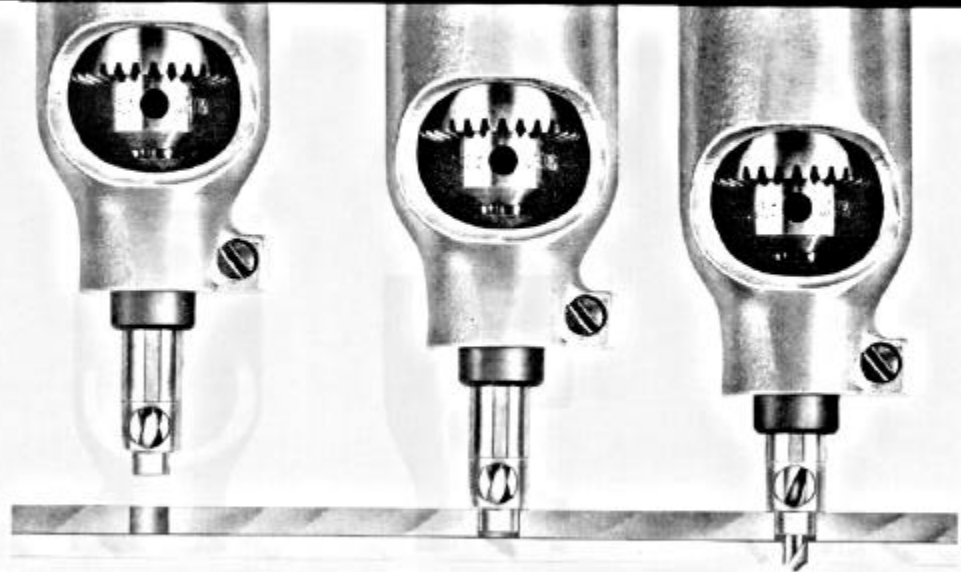


# ZEPHYR

## COLLAPSIBLE DRILL GUIDES

Made to order, priced on application

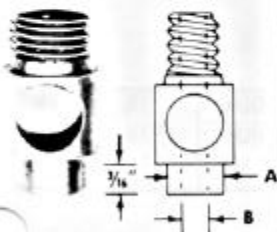


1. The drill guide is shown in extended position ready to be inserted into template hole. Note: low point of the drill is kept protected by drill guide.

2. Here the drill guide tip is shown seated in the template. Rotating drill cannot mar or scratch either template or work.

3. As pressure is applied, the drill guide retracts as the hole is drilled. Drill centers automatically. Claps are discharged easily through large ports in tip.

ZEPHYR'S collapsible drill guides and tips permit use of standard length twist drills. Drill breakage is avoided through accurately aligned and rigidly mounted spring loaded guide and tip. Enables unskilled help to produce more accurately and in greater volume. Eliminates spoiled templets, "off holes" and results in fewer broken drills.



### drill guides (less tips)

PART NUMBER	T (TRAVEL)	DIMENSION
ZT38B	3/8"	
ZT38B-1	1"	
ZT38B-2	1 1/2"	

### replaceable tips (for drill guides)

Part Number	A*	B**	A*	B**	Part Number
ZT28T-.249 x #20	.249	#20	.374	#10	ZT28T-.374 x #10
ZT28T-.249 x #21	.249	#21	.374	#11	ZT28T-.374 x #11
ZT28T-.249 x #30	.249	#30	.374	#20	ZT28T-.374 x #20
ZT28T-.249 x #40	.249	#40	.374	#21	ZT28T-.374 x #21
ZT28T-.311 x 3/8"	.311	3/8"	.374	#30	ZT28T-.374 x #30
ZT28T-.311 x #11	.311	#11	.374	#40	ZT28T-.374 x #40
ZT28T-.311 x #20	.311	#20	Cupped	.....	ZT28T—Cupped (Specify round or brazier head and hole size).
ZT28T-.311 x #21	.311	#21			
ZT28T-.311 x #30	.311	#30			
ZT28T-.374 x 3/8"	.374	3/8"	Tapered	.....	ZT28T—Tapered (Specify angle and hole size)
ZT28T-.374 x 1/4"	.374	1/4"			
ZT28T-.374 x #8	.374	#8			

NOTE: \*(1) Maximum standard O.D. of A is .499". Other diameters and types made to special order only.

\*\* (2) Maximum diameter of B is "F" in all cases. Minimum diameter of B is #50. If smaller diameter is desired we will furnish blanks which can be drilled by customer as required.

(3) Minimum thickness of wall between A and B is .050.

(4) Combinations of A and B other than shown above can be furnished on special order only. Tapered and cupped tips made to order only.

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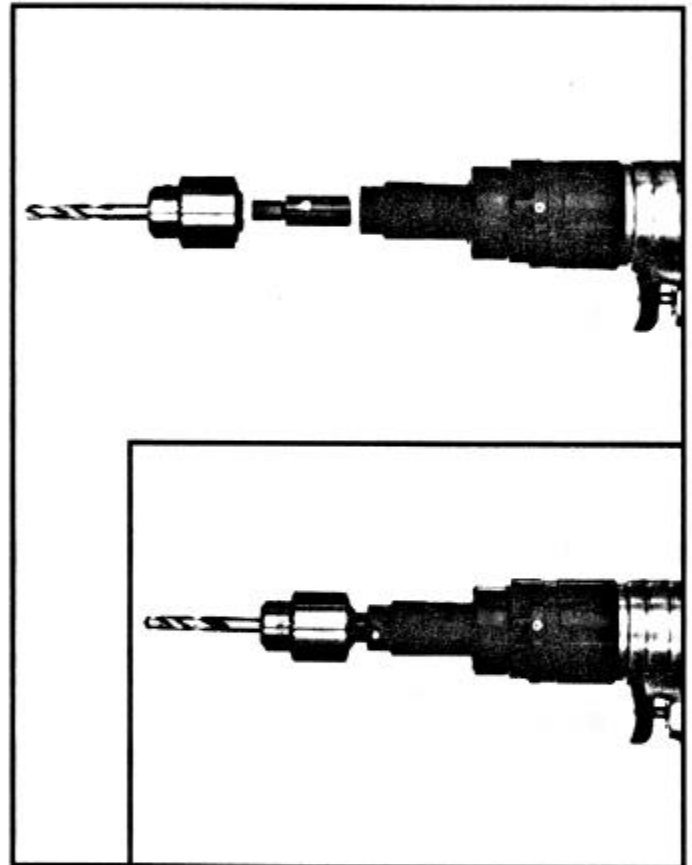
## Quick Change Chuck and Adaptor

A precision made **TIMESAVING** tool combination. The ZT111P and ZT111L used with Jacobs threaded chucks produce uniform high quality holes, a necessity when working with high strength stainless steel or titanium.

**SAVES TIME.** At least a 40% savings in time required to change drills. Imagine the time saved by being able to change cutters in seconds.

Load the Jacobs chucks with varying sizes of cutters and thread in a ZT111L (3/8 -24) to each. Then insert into the ZT111P (3/8 -24) already threaded onto the drill. To change simply unlock adaptor/chuck/cutter combination and insert another. No keys to use.

Zephyr brings you the bottom line; less cost, more productivity and top quality resulting in money earned.



Part No. ZT111P and ZT111L

Represented By

## ZEPHYR

MANUFACTURING CO.

201 HINDRY AVE., P.O. BOX 759, INGLEWOOD, CA 90307  
(213) 776-7600 FAX (213) 410-2913 TELEX 65-3468  
(800) 624-3944 (Outside CA)

Zephyr® is a registered trademark of Zephyr Manufacturing Co.

Zephyr products are designed to be safe under proper working conditions. Be sure that you know the proper way to use a tool before working with it. We recommend the wearing of eye protection when using any hand tool or machine shop tool.

Keep your tools clean, lubricated, inspect them from time to time, and replace worn or damaged tools. The nominal cost will be more than offset by the reduction of mistakes and the savings on rework.

# ZEPHYR

## DRILL GUIDE MOUNTING ADAPTERS

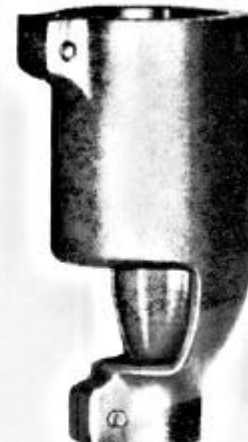
Made to order, priced on application



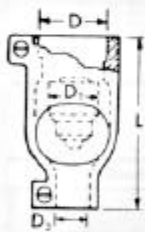
**ZT5**



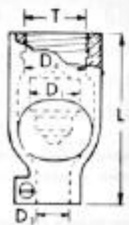
**ZT5B**



**ZT5D**



**Clamp-on Type**



**Threaded Type**

Type	Part Number	D	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	T	Maximum Chuck Model	L
Clamp-On Type	ZT5-1	1 1/2"	1 3/16"	1 1/8"	.....	.....	1B	2 3/4"
	ZT5-2	1 3/8"	1 3/16"	1 1/8"	.....	.....	1B	2 3/4"
	ZT5D-1	1 1/2"	1 7/16"	1 1/8"	.....	.....	30B	4 1/4"
	ZT5D-2	1 3/8"	1 7/16"	1 1/8"	.....	.....	30B	4 1/4"
	ZT5D-3	1 3/8"	1 7/16"	1 1/8"	.....	.....	30B	4 1/4"
ZT5D-4	1 1/16"	1 7/16"	1 1/8"	.....	.....	30B	4 1/4"	
Threaded Type	ZT5B-1	.....	1 3/16"	1 1/8"	1 1/4"	1 3/8"-20LH	1B	3 3/4"
	ZT5B-2	.....	1 3/16"	1 1/8"	1 3/8"	1 1/2"-20LH	1B	3 3/4"
	ZT5B-4	.....	1 3/16"	1 1/8"	1 1/4"	1 7/16"-20RH	1B	3 3/4"

\*Removable threaded insert permits use of chucks up to 2 1/16" diameter. Adapters with other D, D<sub>4</sub> or T specifications made to order. The above adapters will also accommodate our Flat Offset Angle Drill

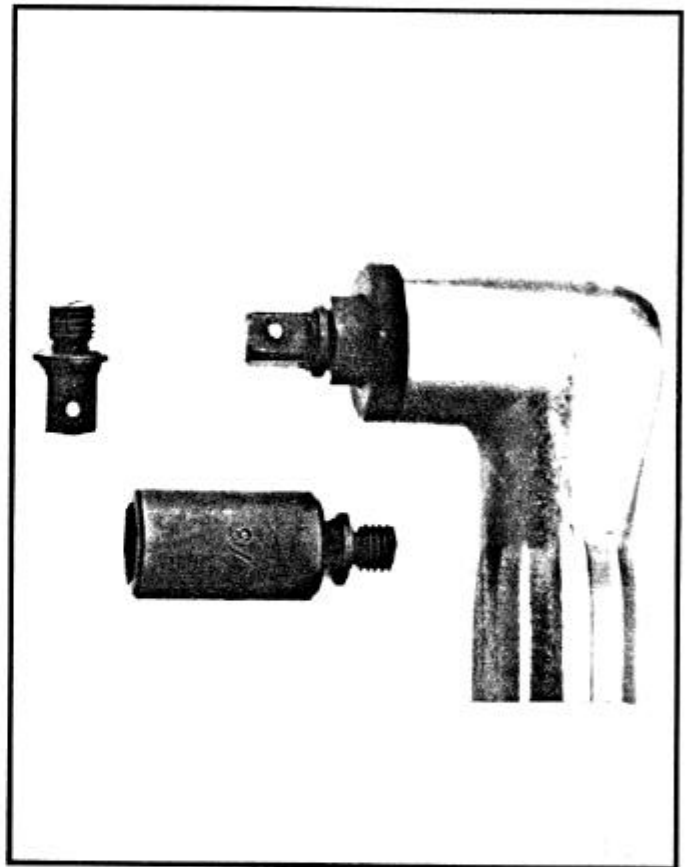
# ZEPHYR

MANUFACTURING CO.

## Convert 1/4 -28 Threaded Drive Angle Drill to a 1/4" Square Drive Nut Runner.

**Zephyr's new Z10SHT-1/2 Adapter** allows you to use any 1/4-28 threaded drive angle drill as a nut runner for close quarters applications. The Z10SHT-1/2 can be used with any of Zephyr's 1/4" square drive sockets for driving 1/4", 5/16", 3/8" or 7/16" hex head screws or nuts as well as Zephyr's 1/4" square drive insert bit holders for driving screws in hard to reach places.

**The new Z10SHT-1/2 Adapter** was designed for use in the most demanding applications where close quarter limitations result in difficulty in installing and removing fasteners.



Part No. Z10SHT - 1/2

Represented By

**"PLEASE NOTE"**  
**Our FAX number**  
**has changed to**  
**(310) 410-2913**

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