ELT-EZD-.501x.750-1 ZipBushing™ Precision Threaded Locator Bushing

The ZipBushing™ Precision Threaded Locator Bushing from Elijah Tooling, Inc. (ELT) is a patented product developed as a combination replacement of bushing and threaded insert which together make up a multi-purpose-hole (MPH). The multi-purpose hole is used in modular fixturing to provide location and holding capability by multiple means. Typically a bushing is co-axially aligned with a threaded insert to facilitate the use of dowel pins, XZertz[™] retractable dowel pins or shoulder screws for locating purposes, and screws, bolts, and similar for holding purposes. (In some situations, it is desirable to hold and locate at the same time, made possible via precision dowel screws - shoulders screws).

and replacement of damaged

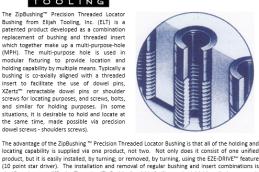
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will

the face to eliminate product enhance

allowing

depth



holes. When plates require skimming marring and scarring, this make it possible to that investment by

ZipBushing™ Characteristics

ZipBushing "Characteristics case hardened stanless steel Locating Surfaces, 7xc 50 - 50007/,5015* Locating 10 - 7.5017/,7305* Locating Shoulder - 1/2*-13 Threaded ID - 5614 tapping in soft materials - 1fts in > 1.15* thick plates Replacement for existing 1/2* Bushing X 1/2*-13 threaded insert combinations

for

passes on the plate.

multiple

significantly more difficult. Thus, the "ZipBushing" quickly facilitates the initial installation or repair

Locating Shoulde Relief Holes For Self-Tapping EZE-DRIVE™ ELEMENT

Hardened Locating I.D.

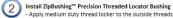
OPERATING INSTRUCTIONS

Prepare the receiving plate in the following manner:

- Drill a 41/64" (16.27mm) diameter to a depth of at least 1.22" (31mm). It is preferable to produce a through hole, but not necessary. If self-tapping option is desired, and depending upon method used & torque applied, a larger hole may be necessory. Up to 1.7.5mm will work.

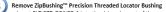
- Counter Bore .7507/.7510" (19.07mm) to a depth of at least .48" (12.2mm)

- Countersink .78" (19.8mm) x 90 degrees
- Tap or Thread M18x1.5 to a minimum depth of 1.13" (28.7mm). (Optional if self-tapping option is desired.)



- Install Zpossing "Petsion Inreaded Locker to the outside threads.
 Apply medium duty thread locker to the outside threads.
 Place "ZipBushing" into prepared hole.
 Insert ELT-EZD-DRIVER-1 drive mechanism into the drive element (10 star pattern) of the bushing.
 Using PRO-1 torque limiting pneumatic wrench (or equivalent).

at the #2 torque setting, applying approximately 35 ft.lbs. force, to screw bushing clockwise until it bottoms in the hole



Remove ZipBushing[™] Precision Threaded Locator Bushing
- Insert ELT-EZD-DRIVER-1 into the drive element of the product.
- Using PRO-1 torque limiting pneumatic wrench (or equivalent), at the # 4 torque setting, apply approximately 65 ft.lbs. force, screwing counter-clockwise until the product is out.

Driver

USE ZIPBUSHING™ PRECISION THREADED LOCATOR BUSHING WITH: 1/2" LOCATING SHOULDER PRODUCTS, SUCH AS XZERTZ™ RETRACTABLE DOWEL PINS, DOWEL PINS OF MANY TYPES,

Bushing S ocator-S 33 Threaded **O** OAL ZipBushing" Precision Thre: P/N: ELT-EZD-.501x.750-1 .501" ID x .750" x 1.125" OA 309 S 64



SHOULDER SCREWS ETC.; 1/2"-13 SCREW PRODUCTS SUCH AS SOCKET HEAD CAP SCREWS ETC.

LIMITED WARRANTY: We warrant that within 80 days from the date of shipment. If the product manufactured by us and sold by us (or an authorized distributor) is in the possession of the original buyer, we will replace or repair, at our option, free of charge, any part or parts which upon examination are found to be delective in workmanship or material, and not due to normal wear, provided that, upon our request, the product or parts thereof are teturned to our location, with accompanying documentation that the product has been interested, and an advantage of an examination of the product without one state of the product of the pro

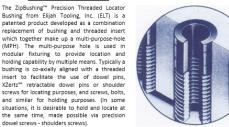
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TOOLING

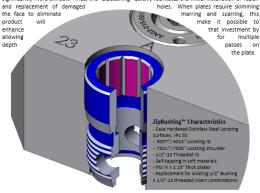
OPERATING INSTRUCTIONS & WARRANTY

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1-877-462-BOLT



The advantage of the ZipBushing "Precision Threaded Locator Bushing is that all of the holding and locating capability is supplied via one product, not two. Not only does it consist of one unified product, but it is easily installed, by turning; or removed, by turning, using the EZE-DRIVE" feature (10 point star driver). The installation and removal of regular bushing and insert combinations is significantly more difficult. Thus, the "ZipBushing" quickly facilitates the initial installation or repair





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at the #2 torque setting, applying approximately 35 ft.lbs. force, to screw bushing clockwise until it bottoms in the hole



until the product is out.

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- Insert ELT-EZD-DRIVER-1 into the drive element of the product.
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