

Technical Data Sheet: EZ Grip Friction Drops©, Aircraft Grade



(www.ezgrip.net)

Liquid metal tool for removing damaged, stripped or corroded fasteners and meeting torque specs. Also great for pulling cable or turning metal pipe when you need to Get-a-Grip.

Application Notes: Each drop of our EZ Grip Friction Drops©, Aircraft Grade solution has thousands of hardened blocks, (Mohs scale hardness of 9- making it one of the hardest materials available for industrial use), in a scientifically formulated, bio-degradable solution. Apply a single drop of the Friction Drops to the tool head or fastener head and apply pressure to the tool (screwdriver or wrench) against the fastener. As you apply pressure, the carrier agent will quickly position the hardened blocks against the wall of the fastener head forming a temporary bridge between the tool head and any differential surface of the corroded or damaged fastener head. Press hard - feel the bridge form - turn the fastener head. Release the pressure and the bridge loosens.



Application Procedure:

Stripped Screws

Apply a drop to the screw head or “handheld” driver head and vibrate the tool against the screw head while applying pressure. This allows the liquid carrier to move the blocks into a bridging position between the tool and any differential surfaces of the damaged screw head. Apply forward pressure and if necessary move the “handheld” driver to a slight angle in order to bite into the screw head. Slowly turn the screw out. **Note:** There is no need to clean EZ Grip Friction Drops© from the driver as this product will not cause corrosion and does not contain silicone or petroleum-(See ASTM Test Section). **WE STRONGLY RECOMMEND THAT YOU USE ONLY A “HANDHELD SCREWDRIVER”-THE LONGER THE BETTER.**



Application Procedure:

Rounded Bolts/Nuts

Apply a few drops of EZ Grip Friction Drops© to the inside of a box end wrench or socket and place over the bolt and vibrate the tool into place allowing the blocks to form a bridge between the wrench/socket and bolt or nut shoulders. Cock the wrench or socket to one side as needed against the shoulders and slowly turn.

Note: There is no need to clean EZ Grip Friction Drops© from the driver as this product will not cause corrosion and does not contain silicone or petroleum-(See ASTM Test Section).

Extending tool life: Keep a residue of EZ Grip Friction Drops© on the driver head and wrench/socket shoulders and plier jaws for continued gripping power. This extends the life of your tools by allowing the hardened blocks in EZ Grip Friction Drops© to take the tool to fastener pressure and not the steel surface of your tool.



EZ Grip Friction Drops© Aircraft Grade



Typical usage parameters & Physical Properties:

Description	Grey/Brown Thin Paste
	Odorless
	Non-toxic
	Non-corroding
	Non-flammable

<u>Use Concentration</u>	<u>Full Strength TO 100.1</u>
<u>Operating Temperature</u>	<u>Ambient</u>
<u>Boiling Point</u>	<u>212 F / 100 C</u>
<u>Specific Gravity (H2O=1)</u>	<u>1.64988</u>
<u>% Solids by weight</u>	<u>50</u>
<u>HMIS rating</u>	<u>0 = Minimal</u>
<u>Solubility in water</u>	<u>Appreciable</u>

Storage:

- Shelf life exceeds 10 years
- Keep applicator cap closed when not in use
- Freezing point = -60 F / -51.11 C



Go to our web site to see ASTM & Military Testing results

Total Immersion Corrosion per ASTM F 483

Sandwich Corrosion Per ASTM F 1110

Hydrogen Embrittlement per ASTM F 519, Type 1C

ASTM F 1111-88 Corrosion of Low-Embrittling Cadmium Plate by Aircraft Maintenance Chemicals

MIL-4-81294D Paragraph 4.6.4.3.1 Notched C-Ring

Manufactured Entirely By Holt International, Ilc in the USA

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