

Why Are You Still Greasing Your Molds ?

**CURRENT
INDUSTRY
STANDARDS
NO REWORK**

**COST LESS THAN
AN HOUR OF
DOWNTIME**

**COEFFICIENT
OF FRICTION DRY
.13**

**METRIC SIZES
AVAILABLE**

**4140 SHELL
28/32 ROCKWELL**

**EXCELLENT
FOR MEDICAL OR
FOOD GRADE**

**STEP RELIEF
EASY
ASSEMBLY**

**TENSILE STRENGTH
8,700 PSI**



**PV VALUE
71,000
COMPARED TO
ALUMINUM BRONZE
WITH GRAPHITE AT
48,000**

**STRONGER THAN
ALUMINUM
BRONZE**

**CLEANER THAN
GRAPHITE**

**GROUND
LEAD-INS**

**3 INTERNAL
LOCKS
NO RESINS
OR ADHESIVES**

**COMPRESSIVE
STRENGTH
14,503 PSI**

**DESIGNED TO
RUN DRY.
NO OIL
NO GREASE
NO GRAPHITE.**

**WILL
INGEST
DEBRIS**



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Ipsco International announces an innovation that promises to increase your uptime while decreasing your need for extra strength pain relievers. Those in the plastic profession have asked us if there was a way to eliminate grease and other lubricants from the molding process. Designers and floor managers along with their customers were tired of decreased output and rejection due to contamination because of the migration of lubricants or graphite to the molding area. Not to mention the same old problems of scoring and galling because of lack of lubrication. We are pleased to offer to you a new concept in mold bushing design that will relieve the aforementioned problems while significantly increasing your uptime's. Ipsco's new "ZERO OPTION" bushings are the only bushings currently available that have been designed to run with or without lubricates. That's right, run them dry, no grease, no graphite, no hassles. Tuff enough to run in thermo-set molds fast enough to replace ball bearings and so much cleaner than graphite. Manufactured and designed here in AMERICA from the best materials available this new concept of bushing was designed from day one to run in the molding environment. It's not a Band-Aid or slick cross over marketing it's a solution.

This new 2 piece design provides greater flexibility while providing solid performance. The bushing's shell is made from refined 4140 material hardened to 28/32 rockwell. This provides a solid foundation that won't collapse, insuring concentricity and keeping mold builders honest in their bore work. At its core is a performance composite that is stronger than steel, has a higher compressive strength than aluminum bronze and a significantly lower coefficient of friction than graphite dry. For those who dabble in raw engineering numbers it's the only bushing with a PV value as high as 71,000. Assembled without the use of epoxies or resins this hassle free bushing is now ready for your inspection.

Ordering is as easy as pie. The "ZERO OPTION" is available in current industry standards so there's no rework required. Just give us the part number your currently using and ask for it with the "ZERO OPTION". Whether it's straight, shoulder, ejector or die stamping. From 3/4" to 3" ID and from 7/8" to 7-7/8" in length. If your requirements fall outside of these numbers no problem because of its two piece design we can custom manufacture to your prints. Most bushings are delivered from stock and even if we're out, delivery is less than 2 weeks in most cases.

No, there is no need to change your leader pins. The "ZERO OPTION" was designed to run with the pins you have regardless of who made them. Imagine running longer, cleaner and faster with higher acceptance rates and lower overall cost without have to change anything.

STOP THROWING AWAY GOOD MONEY ON BAD BUSHINGS.

We know you have questions. Call us we'll talk. Our goal is give you the tools to compete. We offer a test program with incentives that make it easy for you to try us out. We also offer a spec program that will reduce the overall cost of implementation of the ZERO OPTION bushing within your production molds. Thank You for your time and consideration. We look forward to hearing from you and serving you in the future.