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To: All Sales Persons and Distributors

From: Michael Deweese
Isomag Engineering

RE: Proper seal sizing

Dear Professional:

I would like to take a moment and explain how to determine the minimum housing bore requirement for Magnum-C and Magnum-S seals.

Our sales brochures show the minimum housing bore to be shaft diameter + .750" or shaft + 1.000". This is accurate for shaft diameters in all regular 1/16" increments. If you have a shaft diameter that is other than a standard 1/16" size (odd size), the internal components of the seal will be increased up to the next standard nominal size. The seal rotor will be built to fit your shaft diameter and the minimum housing bore requirement (seal O.D.) will be determined by the standard nominal seal size.

Example: Shaft diameter = 1.718" Magnum-S seal
The next larger standard nominal seal size is 1.750"
 $1.750'' \text{ (seal size)} + .750'' \text{ (minimum cross section)} = 2.500''$ minimum bore requirement
The proper assembly code = 1718MS2500

Our goal is to provide our customers with timely service from stock when possible. We have selected this method of sizing to accommodate an inventory plan that allows us to stock a variety of standardized parts and provide you with good service.

In the event that you have a truly odd application that requires a special seal, we will be happy to evaluate your application and make recommendations.

Sincerely,
Michael Deweese