



# Magnetic Powder Cores

**ARNOLD**<sup>®</sup>  
THE MAGNETIC PRODUCTS GROUP OF **SPS**  
TECHNOLOGIES

**ARNOLD MAGNETICS LTD**  
*Powder Core Division*

## Introduction

Arnold manufactures the world's largest selection of magnetic materials. We are magnetic specialists of both hard and soft magnetic materials. This product information guide is focused on our soft magnetic powder core products; Molybdenum Permalloy Powder, SUPER-MSS™, and HI-FLUX™.

Today, electrical design engineers need to identify and compare product capabilities, performance and effectiveness for high frequency power conversion inductors, noise filters and various tuned circuit applications to meet their design objectives. To assist in this selection process, we have included the following information:

- How to order parts
- Design information
- Formulas and definitions for design calculations
- Comparative magnetic curves for performance evaluation
- Electrical and physical specifications with part numbers
- "Q" curves for Molybdenum Permalloy Powder cores

In 1995 Arnold initiated a complete upgrade of our powder core manufacturing facility providing the most advanced equipment to process, control and monitor our products. The upgrade for Molybdenum Permalloy Powder (MPP) and HI-FLUX was completed in 1996. In early 1997 the Sendust (SUPER-MSS) upgrade was completed.

To further our commitment to Magnet Materials advancement, Arnold opened the Magnetics Technology Center (MTC) in 1996. This "state-of-the-art" magnetics development laboratory is used for new product and improved process development by Arnold and their customers.

Arnold's commitment to continuous improvement and customer satisfaction is best reflected in our commitment to excellence:

## Our Commitment to Excellence

Arnold is committed to providing quality products and services that conform to our customers' requirements.

We will have an environment which encourages teamwork and in which each employee learns, understands, and practices quality conformance as an integral part of his or her job function. All departments will establish goals consistent with our commitment to continuous improvement.

We will judge our performance on how well we satisfy our customers' needs and be guided by the belief that our customers will ultimately determine how successful we will be.

We appreciate your selection of our products.

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Arnold HI-FLUX™ and SUPER-MSS™ are trademarks of The Arnold Engineering Co., a subsidiary of SPS Technologies, Inc.

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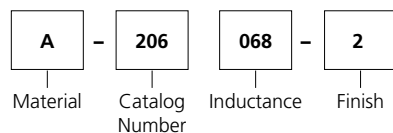
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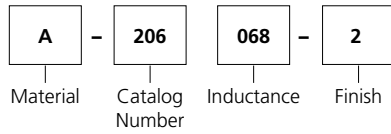
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## Molybdenum Permalloy Powder

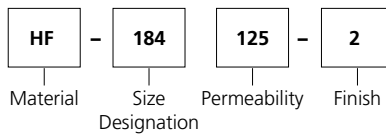


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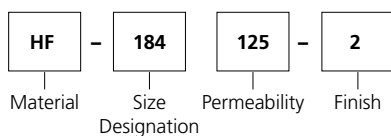


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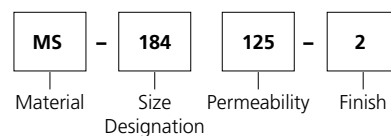


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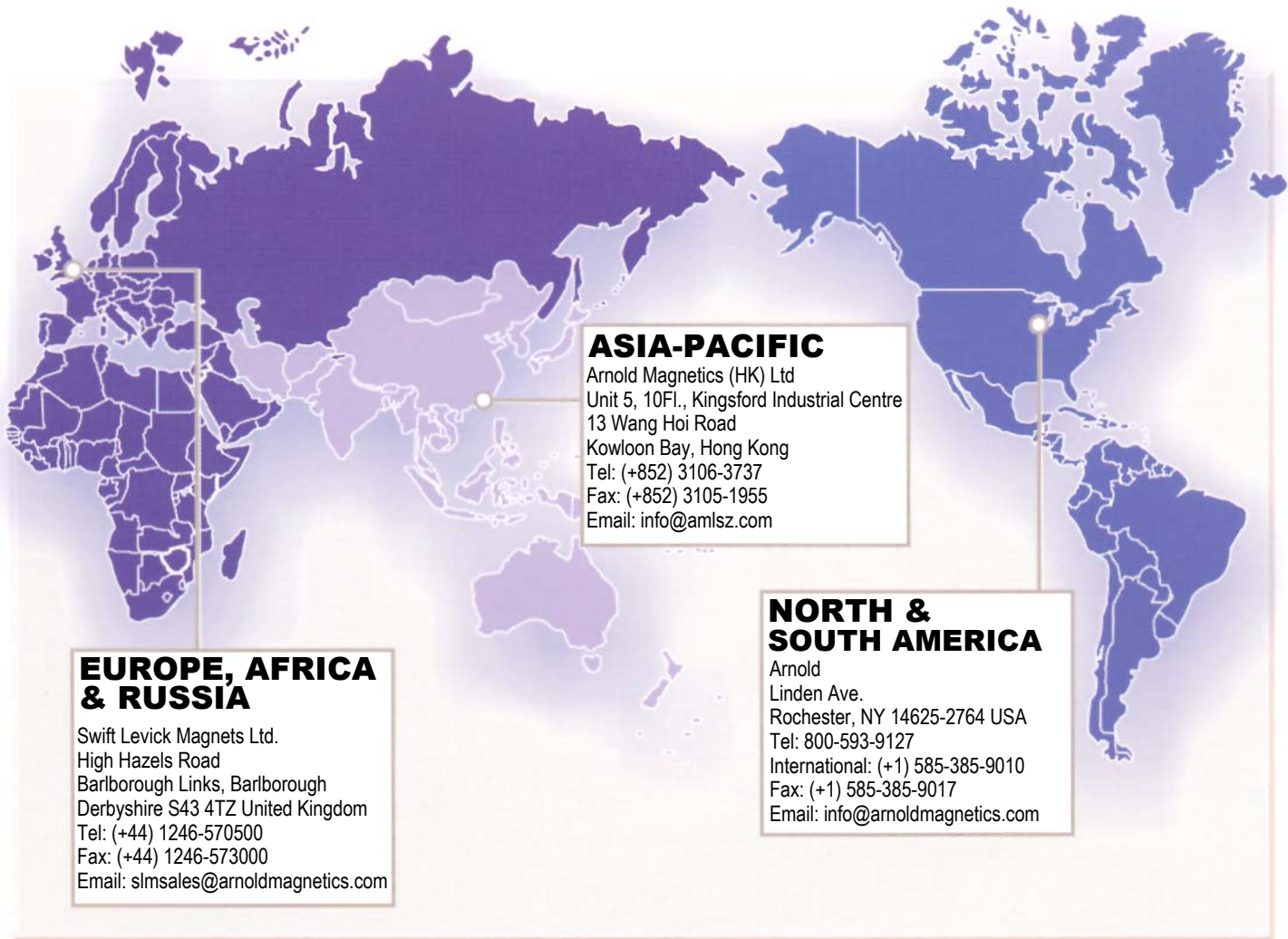
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