

D-Series Vacuum Compatible Stepper Motors

Materials Used in Construction

APPLICATION NOTES

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1. Materials Used in Construction

The materials used, in approximate descending order of exposed surface area are:

- Polyimide
- Diamond-like Carbon
- Stainless Steel 440, 304, 316, 303
- Aluminium Alloy 6061
- Silicon Steel
- Neodymium
- Poly Ether Ether Ketone (PEEK) 450G
- Alumina Ceramic
- Silicon Nitride Ceramic
- Silver
- Fluorinated Ethylene Polymer (FEP) Not used on radiation-hard motors
- Copper
- Chromel/Alumel Chromel and Alumel are registered trademarks of Hoskins Manufacturing Co.

Bearing lubrication: NyeTorr® 6300 Ultra-low outgassing UHV grease.