



DISK-1 Features

- 1 in. outside diameter
- Mylar film construction
- 32 to 5,000 CPR
- Index track option
- Compatible with US Digital's EM1 and EM2 encoder modules



DISK-1 Product Description

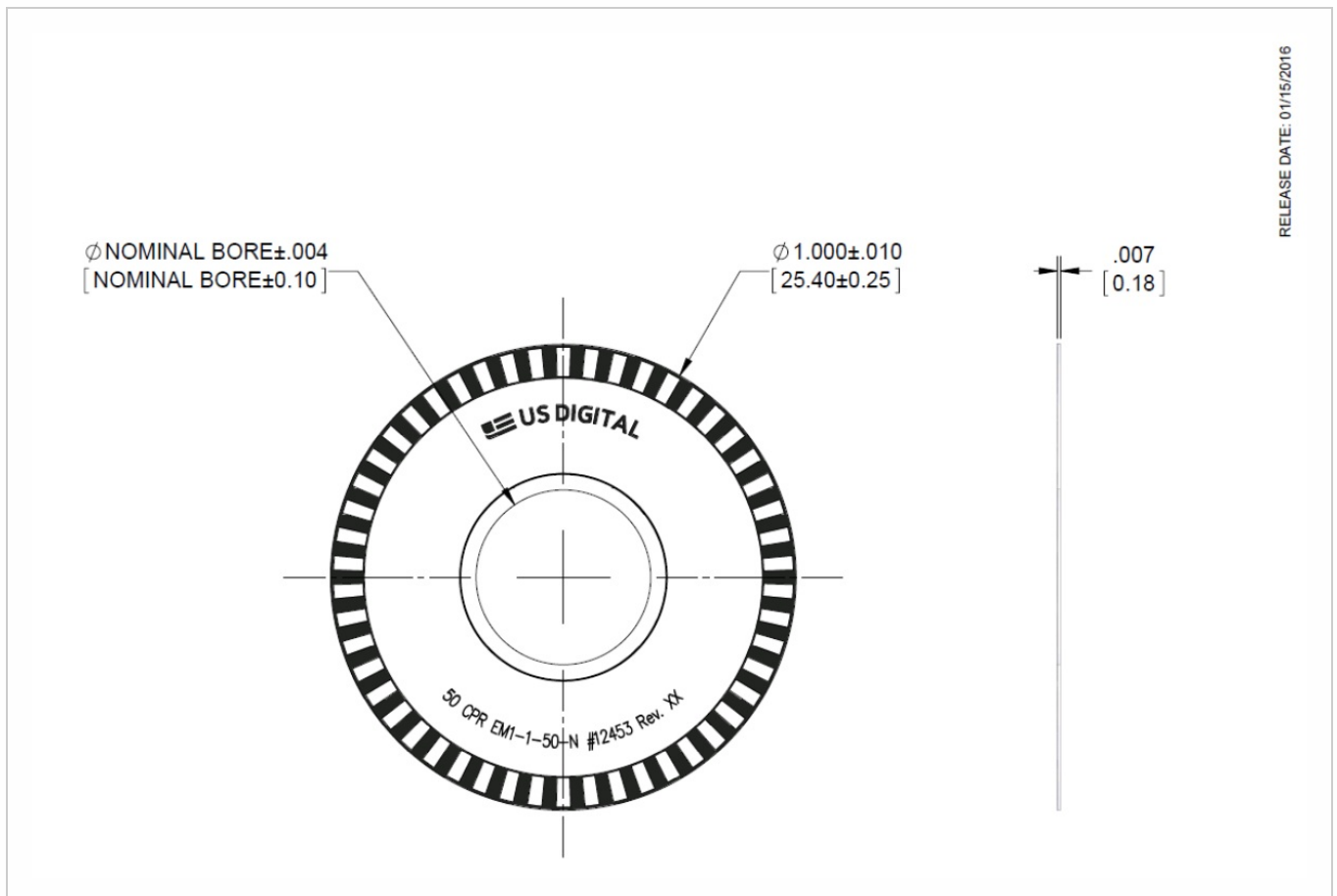
US Digital offers a wide variety of standard rotary encoder disks. They may be ordered as a stand-alone disk or as a hub disk. These rotary encoder disks are made from Mylar polyester film. This material allows for a wide temperature range.



The 32 CPR is available only in the *No Index, EM1 Compatible option (NE)*. Other resolutions are available with or without an index track.

Mechanical alignment drawings for optical encoder rotary disks and optical encoder modules are available (see the EM1 (<https://www.usdigital.com/products/encoders/incremental/modules/em1/>) and EM2 (<https://www.usdigital.com/products/encoders/incremental/modules/em2/>) pages).

Mechanical Drawings





Specifications

SPECIFICATIONS

| | |
|--------------------------------|----------------|
| Inside Diameter (ID) tolerance | ±0.004" |
| Outside Diameter (OD) | 1" ± 0.010 in. |
| Thickness | 0.007" |
| Temperature Range | -40C to 100C |

PRODUCT CHANGE NOTIFICATIONS

| Title | Date | Description | Download |
|--------------------------------------|-----------|--|--|
| Update to 1" and 2" Disks - PCN 6232 | 5/24/2018 | <p>This notice is to inform our customers of a minor disk design modification that is being implemented for standard 1" and 2" disks. This is a continuation of a change that was implemented for our index disks in 2015.</p> <p>We are revising the text on the disk, adding the US Digital logo and a line that is used internally by our manufacturing group.</p> <p>The change does not affect the quadrature or index tracks; therefore, it has no impact on form, fit, or function.</p> | <p>Download (https://www.usdigital.com/support/resources/product-change-notifications/pcn-6232-updated-1-and-2-inch-disks/)</p> |

Notes

- US Digital® warrants its products against defects in materials and workmanship for two years. See complete warranty (<https://www.usdigital.com/company/warranty>) for details.