



## DISK-2 Features

- 2 in. outside diameter
- Mylar film construction
- 64 to 10,000 CPR
- Index track option



## DISK-2 Product Description

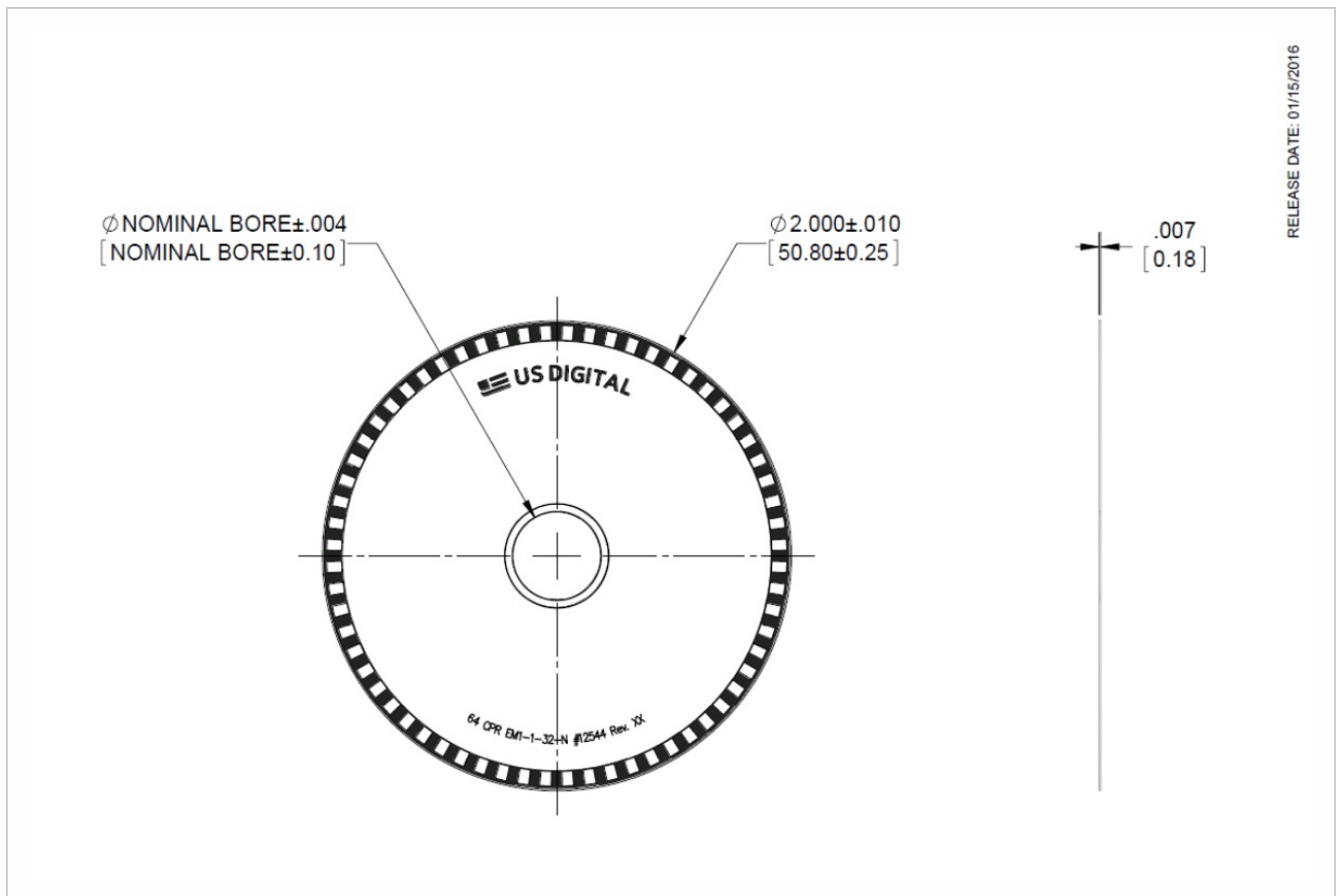
US Digital offers a wide variety of standard rotary encoder disks. They may be ordered as a stand-alone disk or as an encoder disk. These rotary encoder disks are made from Mylar polyester film. This material allows for a wide temperature range.



The 64 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)	2" ± 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 effect the quadrature or index tracks; therefore, it has no impact on form, fit or function.</p>	<p>Download (<a href="https://www.usdigital.com/support/resources/product-change-notifications/pcn-6232-updated-1-and-2-inch-disks/">https://www.usdigital.com/support/resources/product-change-notifications/pcn-6232-updated-1-and-2-inch-disks/</a>)</p>
DISK-2 BCD - PCN 1013	9/21/2011	<p>The standard DISK-2 transmissive encoder disk is currently produced with a 3-hole bolt pattern cut into the disk for ID sizes greater than or equal to .472" (12mm). This bolt circle feature will no longer be incorporated on any of our standard DISK-2 encoder disks. The purpose of this change is to create uniformity within our standard disk selection. Please contact us if you have interest in a custom disk with features in addition to the standard ID &amp; OD.</p>	<p>Download (<a href="https://www.usdigital.com/support/resources/product-change-notifications/pcn-1013-disk-2-bcd/">https://www.usdigital.com/support/resources/product-change-notifications/pcn-1013-disk-2-bcd/</a>)</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.