



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

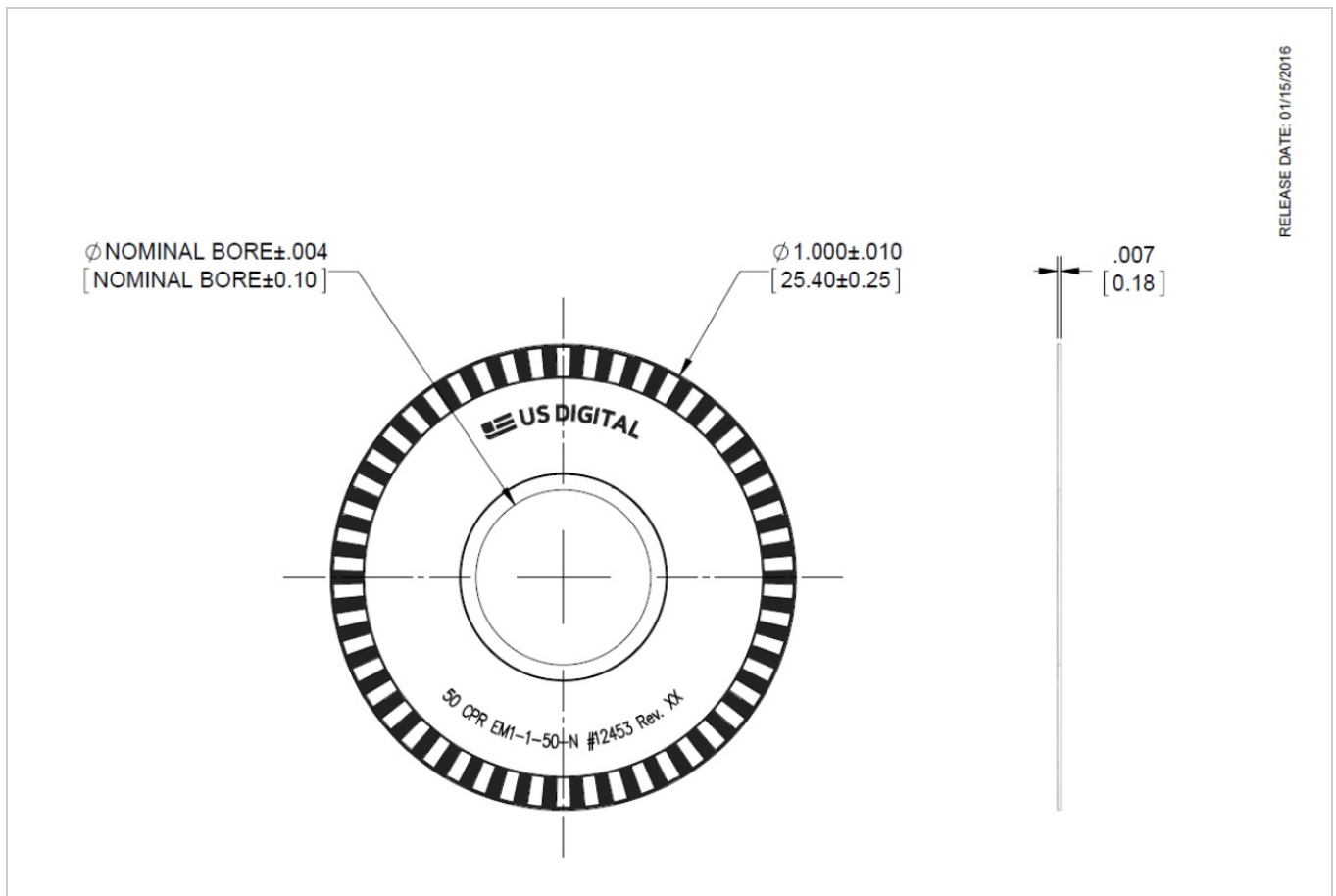
US Digital offers a wide variety of standard rotary encoder disks. They may be ordered as a stand-alone disk or as a hub disk. These rotary encoder disks are made from Mylar polyester film. This material allows for a wide temperature range.



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

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.



Configuration Options

DISK-1	CPR	DISK_ID	INDX
	32	093 (0.093")	IE (Index, EM1 Compatible)
	50	125 (0.125")	NE (Non-Index, EM1 Compatible)
	96	375 (0.375")	
	100	441 (0.441")	
	120		
	192		
	200		
	250		
	256		
	360		
	400		
	500		
	512		
	540		
	720		
	800		
	900		
	1000		
	1024		
	1250		
	2000		
	2048		
	2500		
	4000		
	4096		
	5000		

PLEASE NOTE: This chart is for informational use only. Certain product configuration combinations are not available. Visit the DISK-1 product page (<https://www.usdigital.com/products/DISK-1>) for pricing and additional information.