

DISK-2 Features

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



DISK-2 Product Description

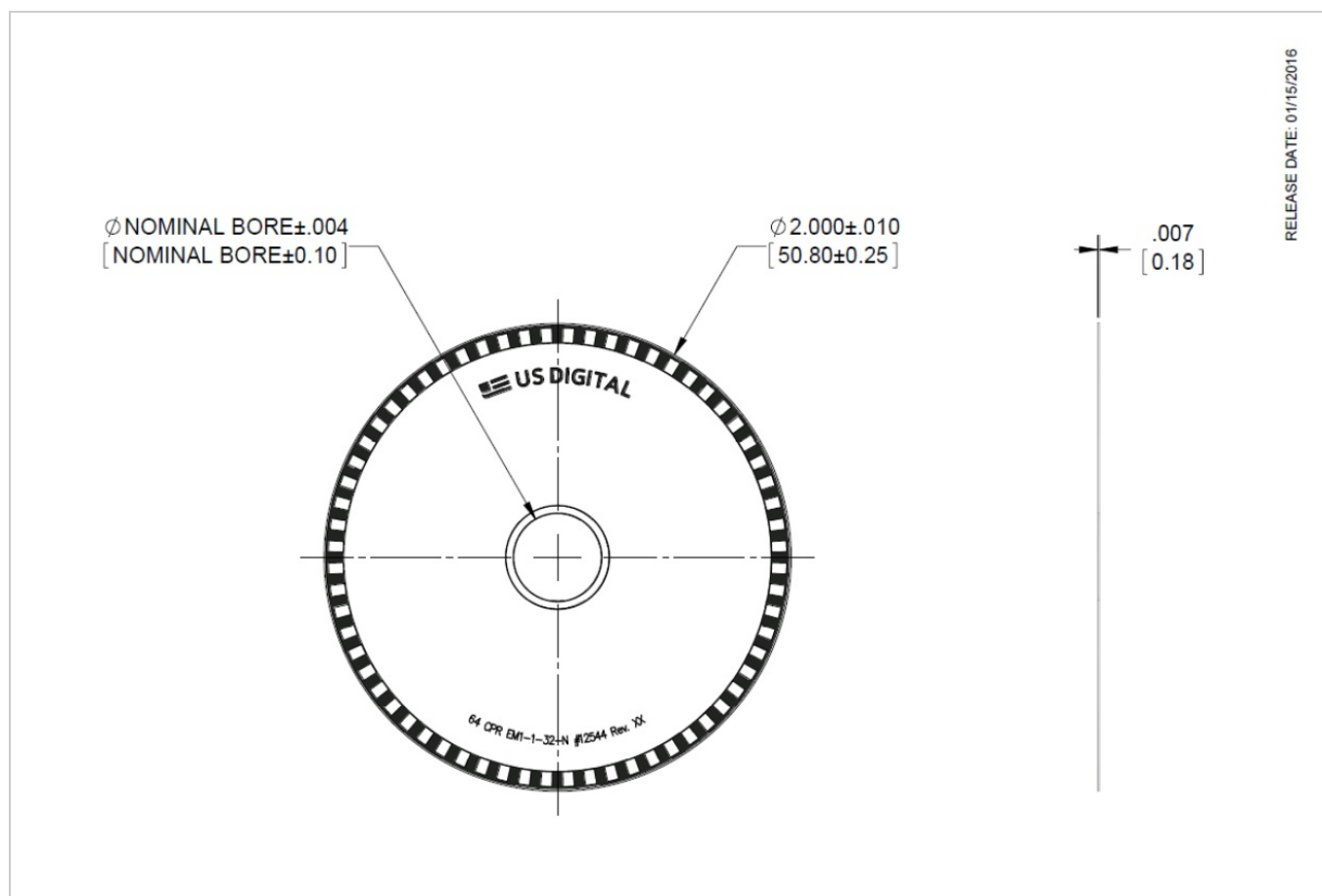
US Digital offers a wide variety of standard rotary encoder disks. They may be ordered as a stand-alone disk or as an encoder disk. These rotary encoder disks are made from Mylar polyester film. This material allows for a wide temperature range.



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/components/modules/em1/>) and EM2 (<https://www.usdigital.com/products/encoders/incremental/components/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

COMPATIBLE ENCODER MODULES



DISK-2 2 in. Transmissive Rotary Encoder Disk

CPR	2" DISK Non-Index	MODULE Non-Index	2" DISK Index	MODULE Index
64	DISK-2-64-*-NE	EM1-1-32-N		
100	DISK-2-100-*-NE	EM1-1-50-N	DISK-2-100-*-IE	EM1-1-50-I
200	DISK-2-200-*-NE	EM1-1-100-N	DISK-2-200-*-IE	EM1-1-100-I
400	DISK-2-400-*-NE	EM1-1-200-N	DISK-2-400-*-IE	EM1-1-200-I
800	DISK-2-800-*-NE	EM1-1-400-N	DISK-2-800-*-IE	EM1-1-400-I
500	DISK-2-500-*-NE	EM1-2-500-N	DISK-2-500-*-IE	EM1-2-500-I
512	DISK-2-512-*-NE	EM1-2-500-N	DISK-2-512-*-IE	EM1-2-500-I
1000	DISK-2-1000-*-NE	EM1-2-1000-N	DISK-2-1000-*-IE	EM1-2-1000-I
1024	DISK-2-1024-*-NE	EM1-2-1024-N	DISK-2-1024-*-IE	EM1-2-1024-I
1800	DISK-2-1800-*-NE	EM1-2-1800-N	DISK-2-1800-*-IE	EM1-2-1800-I
2000	DISK-2-2000-*-NE	EM1-2-2000-N	DISK-2-2000-*-IE	EM1-2-2000-I
2048	DISK-2-2048-*-NE	EM1-2-2048-N	DISK-2-2048-*-IE	EM1-2-2048-I
2500	DISK-2-2500-*-NE	EM1-2-2500-N	DISK-2-2500-*-IE	EM1-2-2500-I
3600			DISK-2-3600-*-IE	EM2-2-3600-I
4000			DISK-2-4000-*-IE	EM2-2-4000-I
4096			DISK-2-4096-*-IE	EM2-2-4096-I
5000			DISK-2-5000-*-IE	EM2-2-5000-I
7200			DISK-2-7200-*-IE	EM2-2-7200-I
8000			DISK-2-8000-*-IE	EM2-2-8000-I
8192			DISK-2-8192-*-IE	EM2-2-8192-I
10000			DISK-2-10000-*-IE	EM2-2-10000-I

*Represents the bore size

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-2	CPR (Cycles Per Revolution)	Disk ID	Index
	64	093 (0.093")	IE (Index)
	100	125 (0.125")	I (Index)
	200	375 (0.375")	NE (Non-Index)
	400	441 (0.441")	
	500	472 (0.472")	
	512	500 (0.500")	
	800	551 (0.551")	
	1000	625 (0.625")	
	1024	750 (0.750")	
	1800	875 (0.875")	
	2000	984 (0.984")	
	2048	1000 (1.000")	
	2500	1021 (1.021")	
	3600	1125 (1.125")	
	4000	1181 (1.181")	
	4096		
	5000		
	7200		
	8000		
	8192		
	10000		

PLEASE NOTE: This chart is for informational use only. Certain product configuration combinations are not available. Visit the DISK-2 product page (<https://www.usdigital.com/products/DISK-2>) for pricing and additional information.