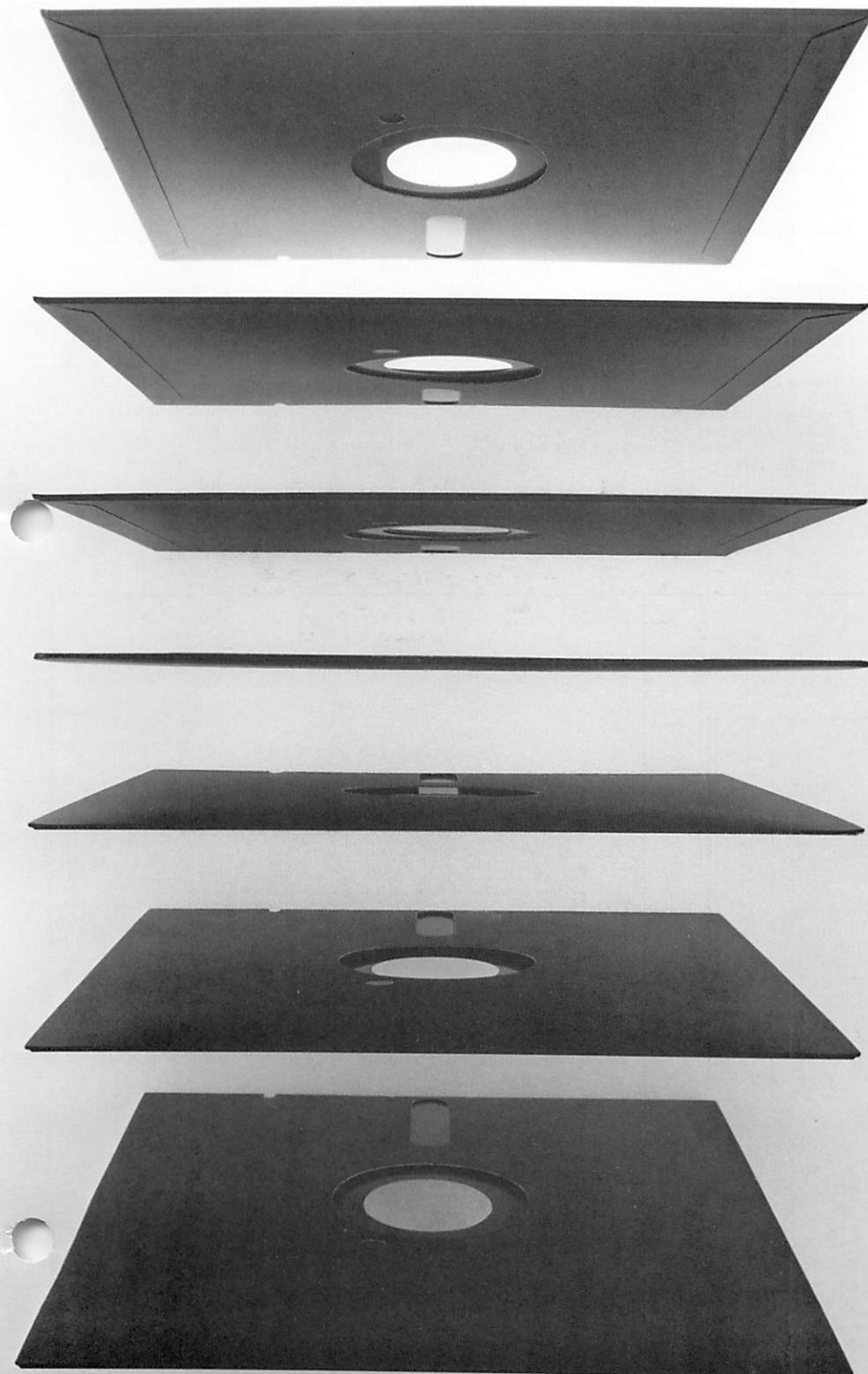


MEMOREX

8" Flex Disk



Memorex—a computer media and supplies leader—manufactures a wide range of 8" flex disks compatible with most word processors, data processors, and business computers.

The Memorex family of 8" flex disks includes single-sided disks for data storage capacities of from 400–800 KB unformatted and double-sided disks that take your storage capacity up to 1.6 MB unformatted. Each disk has 77 tested tracks per side with a track density of 48 TPI.

Every Memorex 8" flex disk has the Memorex "Edge"—Solid Seam Bonding—that seals each disk jacket seam tight. The "Edge" helps better protect the disk inside...and your data...from dust, debris, and damage due to improper handling.

Memorex 8" Disk Family Features

- Solid Seam bonding for better data protection.
- Disk media engineered for optimum signal and recording output.
- A precision-burnished media surface for longer disk and read/write head life.
- A tough, but flexible vinyl jacket that resists heat deformation and physical damage.
- A non-woven, lint-free polyester jacket liner that helps keep the disk clean while in use.

The Memorex Quality Edge

Today's Memorex 8" flex disks are the result of over two decades of experience in computer media research, engineering, and manufacturing. Memorex was the first flex disk manufacturer to supply IBM-compatible 8" disks in the early 1970's. Each component is made from carefully chosen and tested materials for the highest quality possible. After manufacturing, no disk is allowed to reach our customers unless it can meet or exceed industry standards during stringent signal amplitude, resolution, low pass modulation, overwrite, missing pulse error, and extra pulse error tests.

That's why Memorex backs its family of 8" flex disk products with a lifetime warranty...our standards are high because we know all the information you store is critical.

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8" Flex Disk Specifications

	One Side	Two Sides
Recording Density (Bits per Radian—BPR)	13262 BPR*	13262 BPR*
Tested Tracks per Side	77	77
Track Density (Tracks per Inch—TPI)	48 TPI	48 TPI
Capacity (Kilobytes, unformatted)	800	1600

*13262 BPR is also referred to as "double density" and is equivalent to 6822 BPI at the innermost track (77 side 1).

Test Levels:

1. Missing Bit: All pulses will exceed 50% of track average amplitude.
2. Extra Bit: After erasure, all pulses will be less than 17% of track average amplitude.

Magnetic/Electrical Characteristics:

1. Coercivity: 270 Oersteds
2. Amplitude: 1F (250,000 FTPS) less than 30% at track 00
2F (500,000 FTPS) greater than 80% at innermost track (77)
3. Resolution: greater than 80%
4. Modulation: not more than 10%

**Reference to Memorex Primary Reference Disk

Physical Characteristics

Jacket:

1. Outer Material: specially formulated polyvinyl chloride, precision folded, with continuous bonded seams.
2. Inner Liner: non-woven synthetic, lint-free wiping material, precision-positioned and bonded to the jacket.

Media:

1. Polyethylene terephthalate (PET) coated with proprietary oxide formulation, burnished to Memorex's exacting standards.
2. Thermal Expansion Coefficients: maximum 13.8 microinches/inch/ $^{\circ}$ F.
3. Hygroscopic Expansion Coefficient: maximum 15.0 microinches/inch/%RH.
4. Durability: greater than 3.5 million passes.

General:

1. Flammability: self-extinguishing in a still carbon dioxide atmosphere.
2. Light Transmittance: less than 1% at 940 nm wavelength.
3. Toxicity: no toxic components.

Environmental Conditions:

	Temperature $^{\circ}$ F	% Relative Humidity
Test	68 $^{\circ}$ to 78 $^{\circ}$	40% to 60%
Operation & Storage*	50 $^{\circ}$ to 125 $^{\circ}$	8% to 80%
Transportation	-40 $^{\circ}$ to 125 $^{\circ}$	8% to 90%

Note: Conditioning time: 24 hours before test or use
*Maximum wet bulb temperature: 80 $^{\circ}$ F

Optional Features:

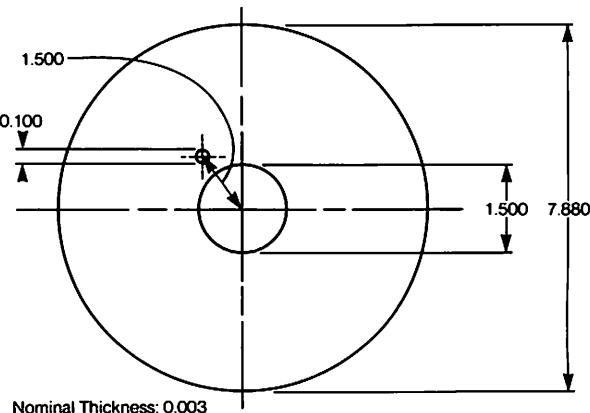
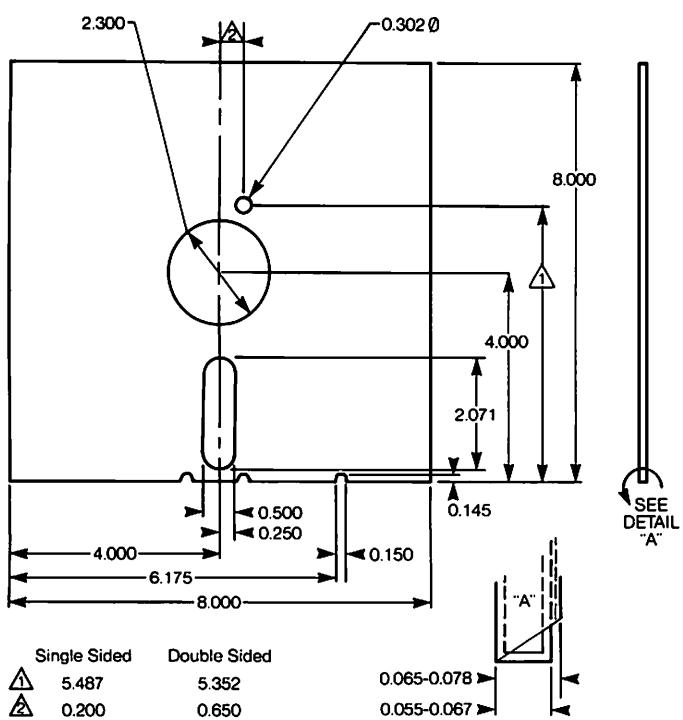
1. Write-protect notches
2. Hub reinforcing rings
3. Soft or 32 hard sectoring
4. Packaging: bulk or packaged blank label or private label



MEMOREX

Memorex Media Products Group
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Physical Dimensions: (in inches)



These specifications are condensed from a comprehensive technical document.

