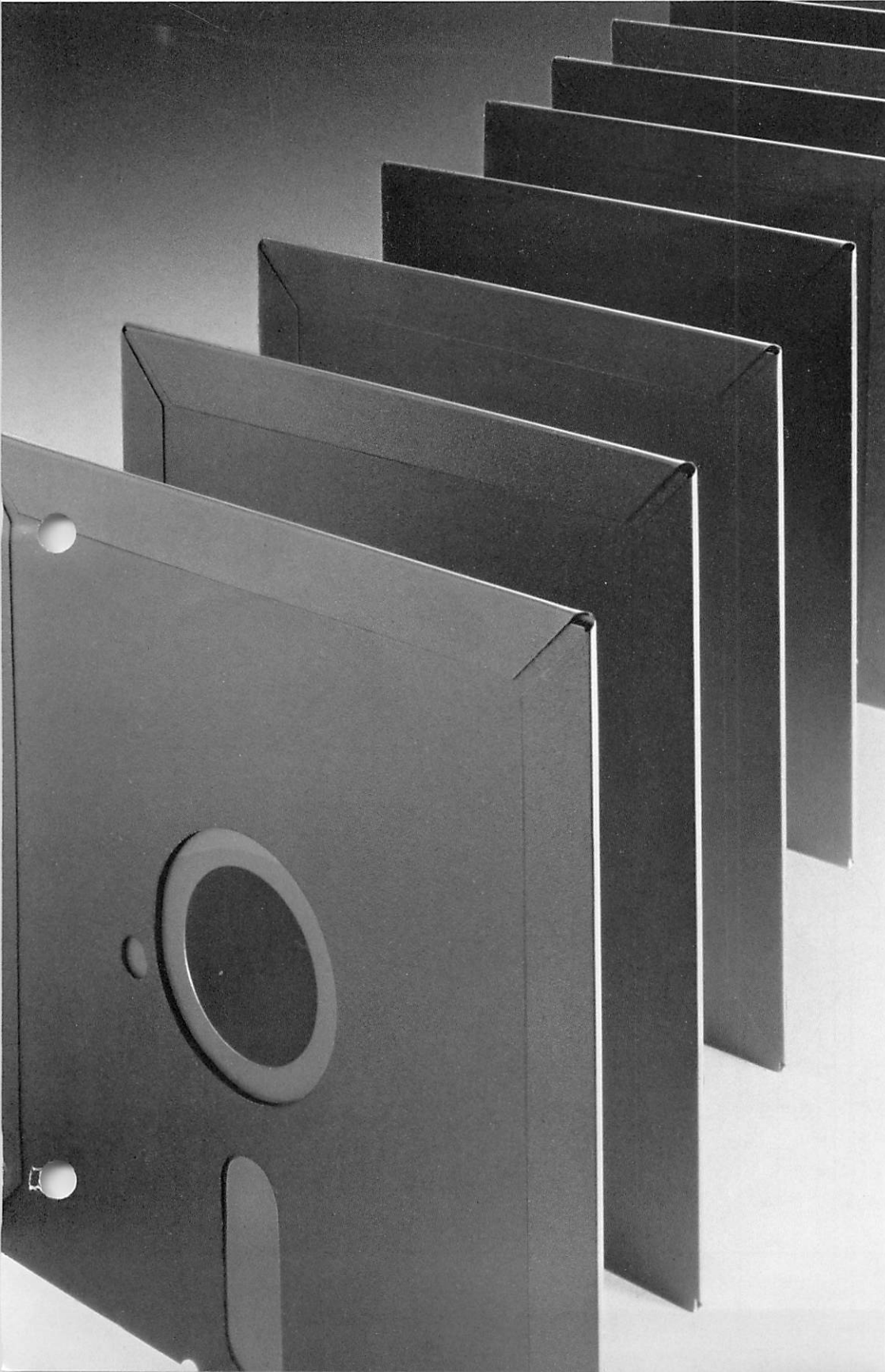


# MEMOREX

## 5 1/4" Flex Disk



Memorex—a computer media and supplies leader—manufactures and markets a wide range of 5 1/4" flex disks compatible with all major brands of business computers, word processors, and personal computers.

Each Memorex 5 1/4" flex disk has the Memorex "Edge"—Solid Seam Bonding—that seals each disk jacket seam tight. The "Edge" helps protect a disk inside that is made with Memorex's high-performance proprietary oxide formulation and is certified to be 100% error-free.

For single-sided disk drives, Memorex offers single-sided, double-density 5 1/4" disks (1S/2D) with 48 Tracks Per Inch (TPI). Memorex single-sided 96 TPI (1S/4D) disks can be used for storage requirements of up to 500 KB (unformatted).

For double-sided drives, Memorex offers double-sided, double-density 5 1/4" disks (2S/2D) with track densities of 48 TPI and 96 TPI (2S/4D) for storing up to 1 MB of data.

#### Memorex 5 1/4" Disk Family Features

- Solid Seam Bonding for better data protection from dust, debris, warping, and improper handling.
- Disk media engineered to last more than 3.5 million head passes with optimal 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 cosmetic 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 5 1/4" flex disks are the result of over two decades of experience in computer media research, engineering, and manufacturing. 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 5 1/4" 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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## 5 1/4" Flex Disk Specifications 48 and 96 TPI

|   | One Side  | Two Sides |
|---|-----------|-----------|
| <b>Recording Density</b><br>(Bits per Radian—BPR) | 7958 BPR* | 7958 BPR* |
| <b>Tested Tracks per Side</b>                     | 40/80     | 40/80     |
| <b>Track Density</b><br>(Tracks per Inch—TPI)     | 48/96 TPI | 48/96 TPI |
| <b>Capacity</b><br>(Kilobytes, unformatted)       | 250/500   | 500/1000  |

\*7958 BPR is also referred to as "double density" and is equivalent to 5880 BPI at the innermost track (39 or 79 side 1).

### Test Levels:

1. Missing Bit: All pulses will exceed 60% of track average amplitude. (ANSI=40%)
2. Extra Bit: After erasure, all pulses will be less than 20% of track average amplitude.

### Magnetic/Electrical Characteristics:

1. Coercivity: 270 Oersted
- \*\*2. Amplitude: 1F (125,000 FTPS) less than 130% at track 00  
2F (250,000 FTPS) greater than 80% at innermost track (39 or 79)
- \*\*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 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/°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 °F | % Relative Humidity |
|----------------------|----------------|---------------------|
| Test                 | 68° to 78°     | 40% to 60%          |
| Operation & Storage* | 50° to 125°    | 8% to 80%           |
| Transportation*      | -40° to 125°   | 8% to 90%           |

Note: Conditioning time: 24 hours before test or use  
\*Maximum wet bulb temperature: 80°F

### Optional Features:

1. Permanent write-protect
2. Hub reinforcing rings
3. Soft or hard sectoring (10 or 16)
4. Packaging: bulk or packaged blank label or private label

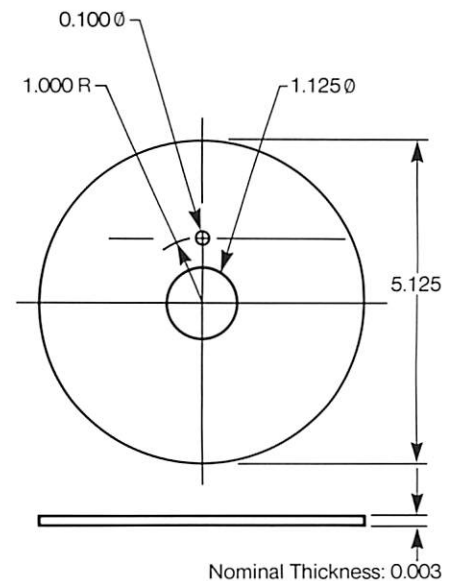
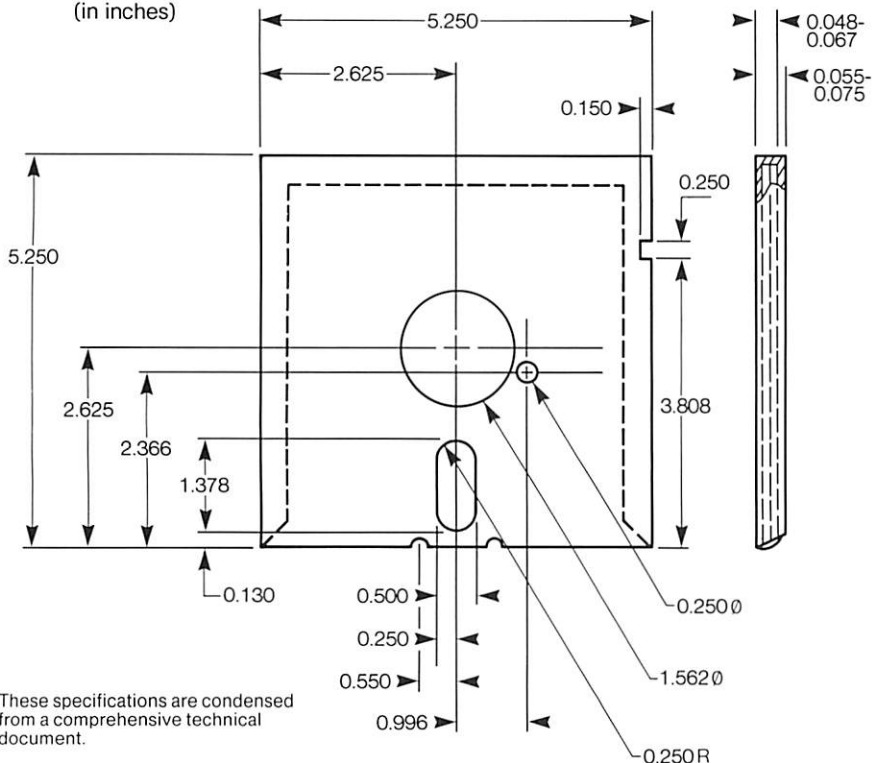


# MEMOREX

### Memorex Media Products Group

1125 Memorex Drive  
Santa Clara, CA 95052  
800-222-1150

### Physical Dimensions: (in inches)



These specifications are condensed from a comprehensive technical document.