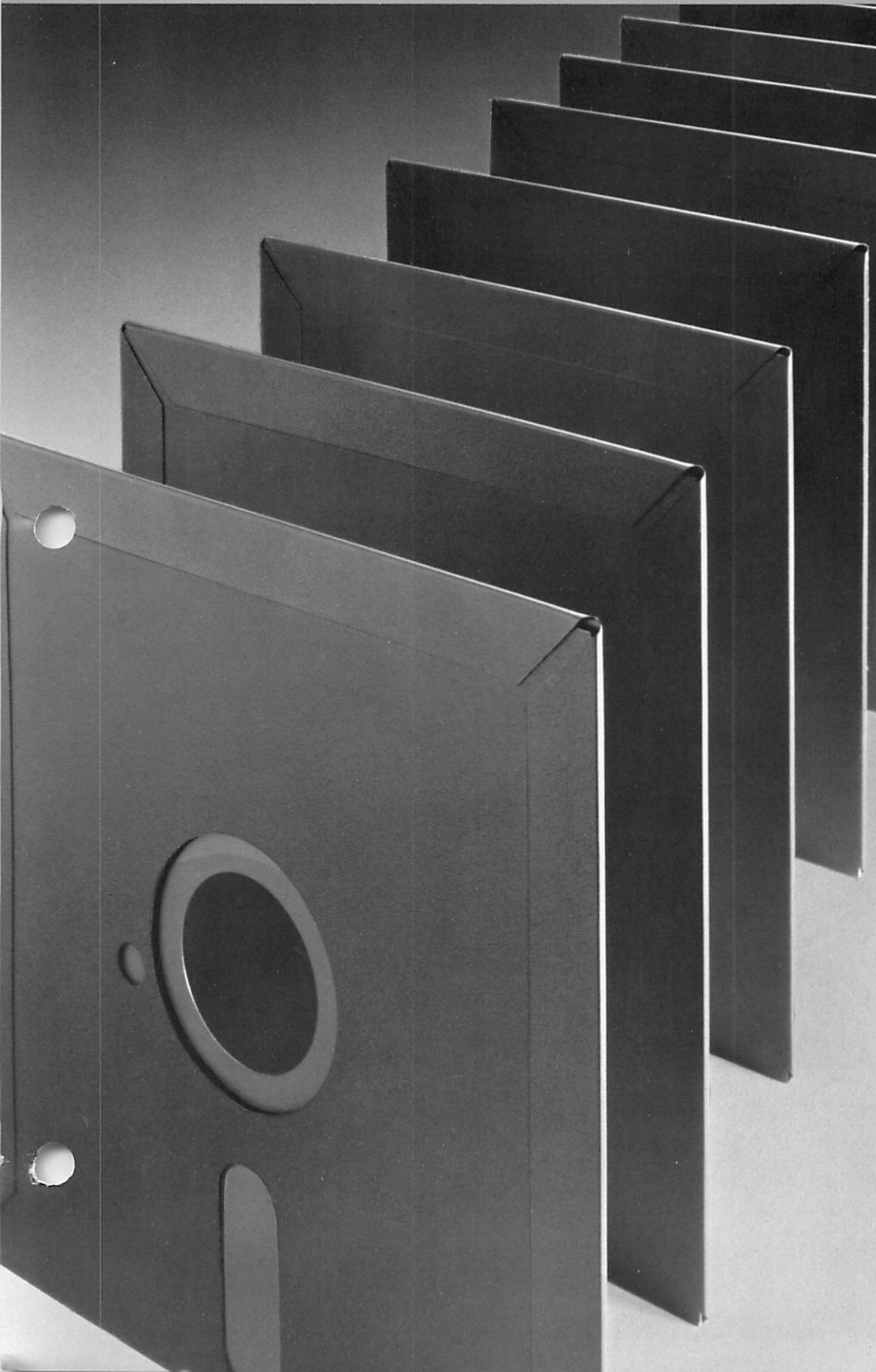


# MEMOREX

## 5¼" High-Capacity Flexible Disk



Memorex designed its high-capacity flex disk to satisfy two important business needs.

Its 1.6MB capacity meets the rapidly increasing storage needs of the IBM PC AT™ and compatible business computers; it can also be expanded to 3.3MB in special applications.

In addition, the high-capacity 5¼" can be used in new compact 5¼" drives which emulate 8" systems, to support both their software and databases.

The Memorex 5¼" high-capacity flex disk is the latest advanced product from the company that has been on the leading edge of media technology for more than 20 years.

Memorex high-capacity 5¼" flex disks feature:

- Jacket sealed with Solid Seam Bonding, developed specially by Memorex to ensure easy loading and prevent accidental head damage.
- Proprietary coating formulation to provide media durability, optimal signal output and recording accuracy.
- Precisely burnished media surface and integrated proprietary lubricant to reduce disk and head wear.
- Precisely made liner to clean the disk during use.
- Every track of every disk tested and verified 100% error-free, to ensure the integrity of your data.

# MEMOREX

## High-Capacity Flex Disk Specifications

<b>Recording Density</b> (Bits per Radian-BPR)	13262 BPR
<b>Tested Tracks per Side</b>	80
<b>Track Density</b> (Tracks per Inch)	96 TPI
<b>Capacity</b> Kilobytes, unformatted Kilobytes, formatted (IBM PC AT)	1660 1200

### 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: 750 oersteds
2. Amplitude: 1F (250,000 FTPS) less than 130% at track 00  
2F (500,000 FTPS) greater than 80% at innermost track
3. Resolution: greater than 90%
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/°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

Test	Temperature °F	% Relative Humidity
Operation & Storage	68° to 78°	40% to 60%
Transportation	50° to 125° -40° to 125°	8% to 80%* 8% to 90%*

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

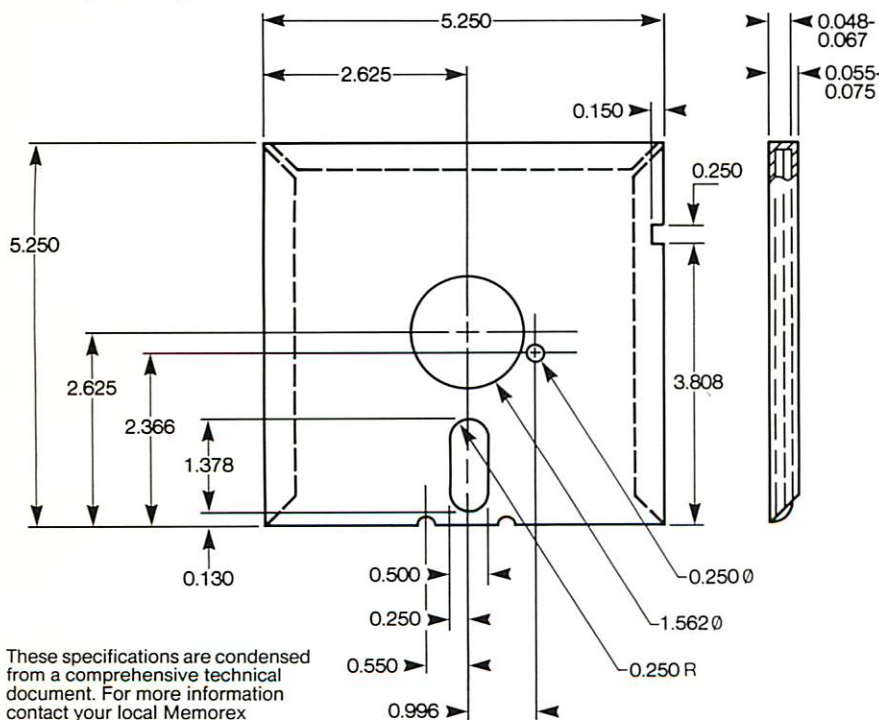
When it matters, make it Memorex.™

# 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. For more information contact your local Memorex representative.

