

PROVINCIAL ARCHIVES OF MANITOBA

PRESERVATION INFORMATION PACKAGE

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Moving Images and Sound

PROVINCIAL ARCHIVES OF MANITOBA

MANITOBA CULTURE AND TOURISM

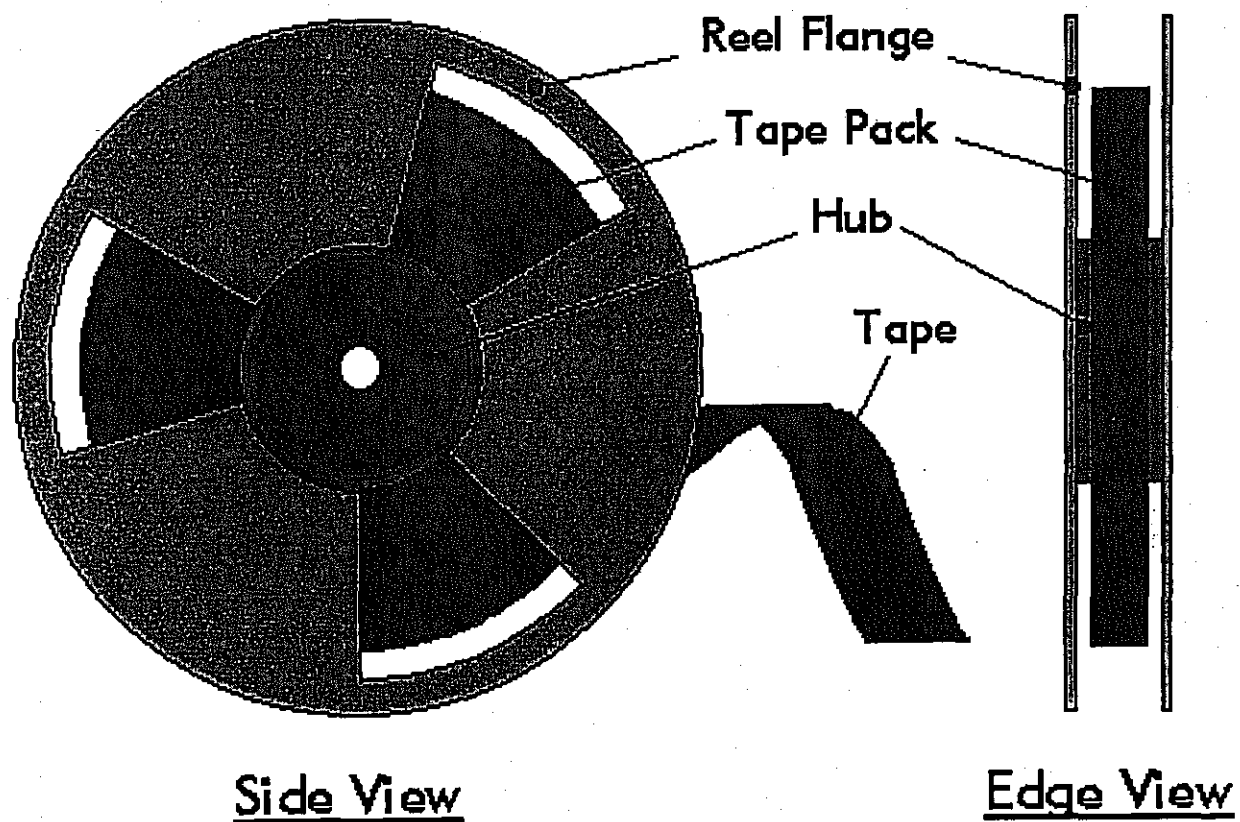


Figure 1. Diagram of a Tape Reel

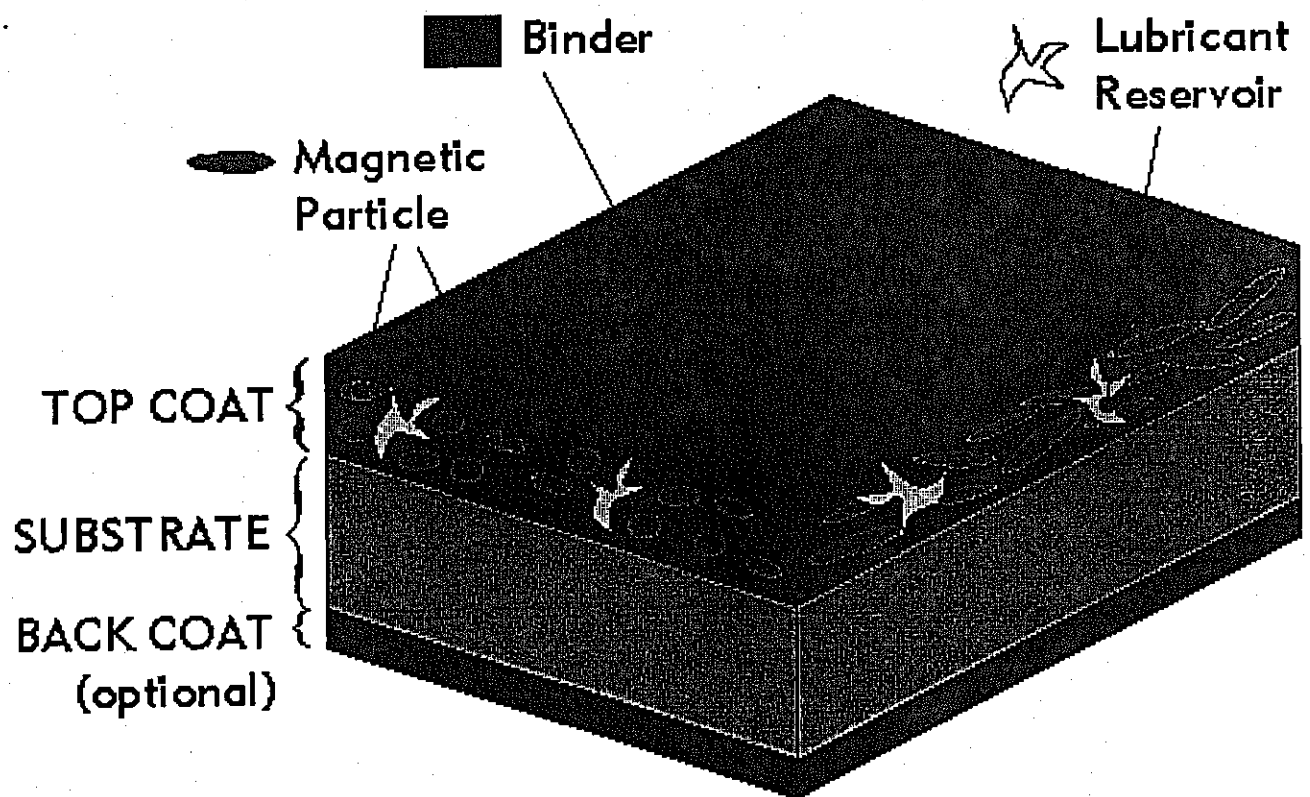


Figure 2. Cross Section of Magnetic Tape

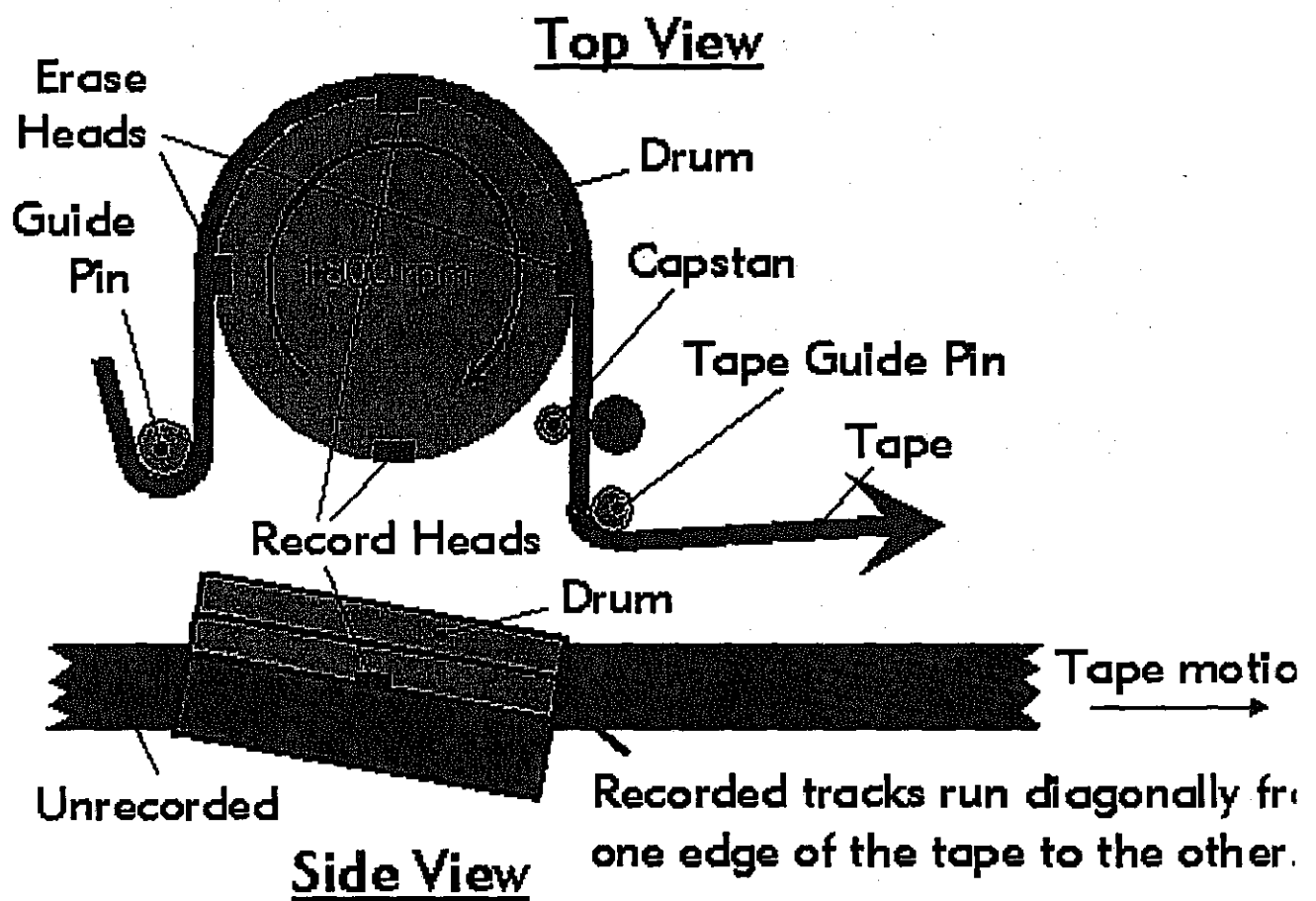


Figure 3. Helical Scan Recording

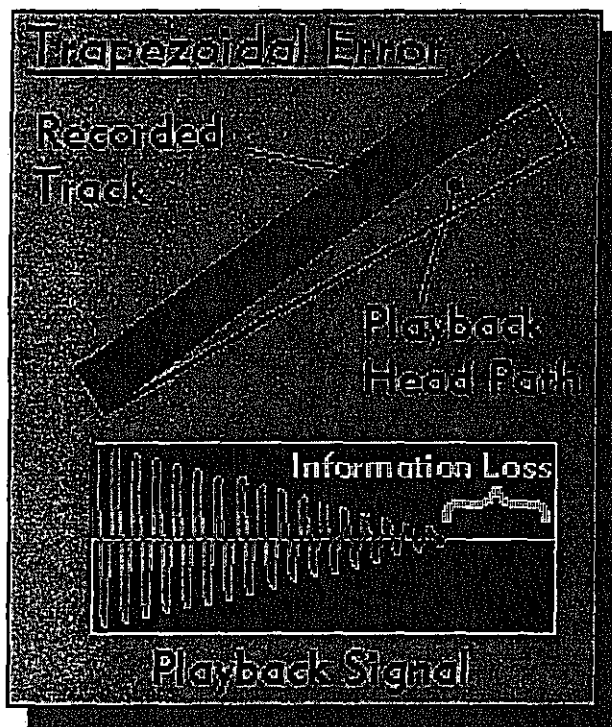


Figure 4. Types of Mistracking for Helical Scan Recording

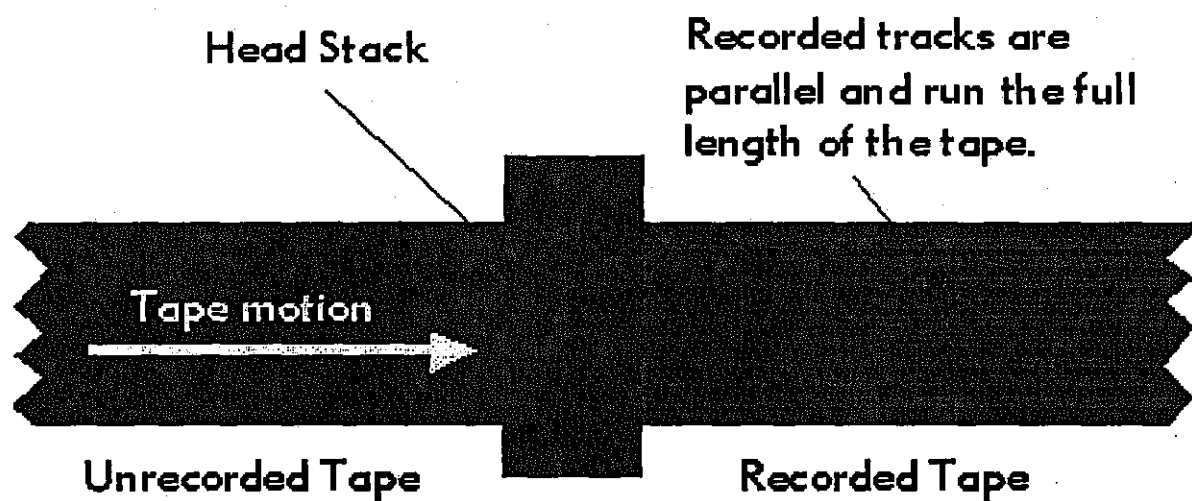
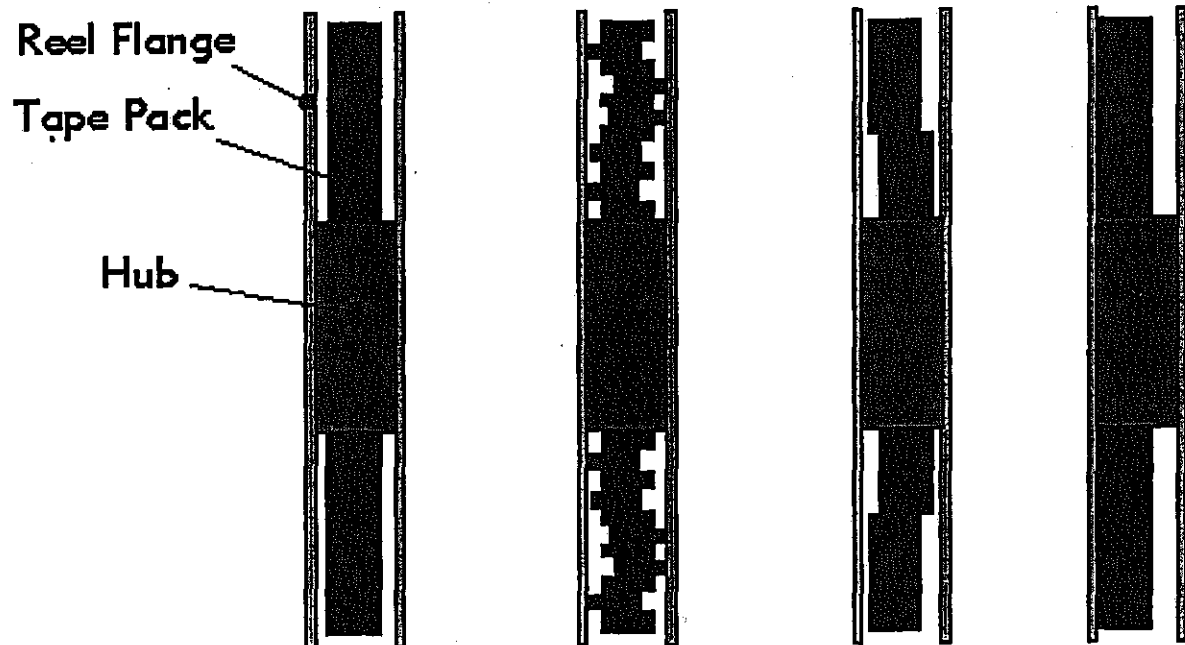


Figure 5. Longitudinal Recording



GOOD! Popped Strands Pack Slip Flange Pack

Figure 6. Examples of Tape Winds

Table 1 - Maximum temperature and relative humidity for storage

Medium-term storage		Extended-term storage	
Maximum temperature (see notes 3 and 5) (°C)	Maximum relative humidity (see notes 1 and 2) (%)	Maximum temperature (see notes 3 and 5) (°C)	Maximum relative humidity (see notes 1 and 4) (%)
23	50	23 17 11	20 30 50
<p>NOTES</p> <p>1 The moisture content of the tape to be stored shall not be greater than tape in moisture equilibrium with these relative humidities. The minimum relative humidity is 15%, because of possible transport problems due to static.</p> <p>2 Cycling shall not exceed $\pm 10\%$ RH over a 24-hour period.</p> <p>3 Cycling shall not exceed $\pm 2^{\circ}\text{C}$ over a 24-hour period.</p> <p>4 Cycling shall not exceed $\pm 5\%$ RH over a 24-hour period.</p> <p>5 Storage of tape below 8°C may cause lubricant separation from the tape binder. The manufacturer should be consulted to determine if this is a potential problem.</p>			