

INTERNATIONAL
STANDARD

ISO/IEC
11319

First edition
1993-07-15

**Information technology — 8 mm wide
magnetic tape cartridge for information
interchange — Helical scan recording**

*Technologies de l'information — Cartouche pour bande magnétique de
8 mm de large pour l'échange d'information — Enregistrement par
balayage hélicoïdal*



Reference number
ISO/IEC 11319:1993(E)

Contents

	Page
Section 1 : General	1
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Definitions	1
4.1 AC erase	1
4.2 Average Signal Amplitude	1
4.3 azimuth	1
4.4 back surface	1
4.5 bit cell	1
4.6 byte	1
4.7 cartridge	1
4.8 Cyclic Redundancy Check (CRC) Character	1
4.9 Error Correcting Code (ECC)	2
4.10 flux transition position	2
4.11 flux transition spacing	2
4.12 magnetic tape	2
4.13 Master Standard Reference Tape	2
4.14 Physical Beginning of Tape (PBOT)	2
4.15 Physical End of Tape (PEOT)	2
4.16 physical recording density	2
4.17 Secondary Reference Amplitude	2
4.18 Secondary Reference Field	2
4.19 Secondary Standard Reference Tape	2
4.20 Standard Reference Current (I _r)	2
4.21 Tape Reference Edge	2
4.22 Test Recording Current	2
4.23 tone	2
4.24 track	2
4.25 Typical Field	2

© ISO/IEC 1993

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

ISO/IEC Copyright Office • Case Postale 56 • CH-1211 Genève 20 • Switzerland
Printed in Switzerland

5	Environment and safety	2
5.1	Testing environment	3
5.2	Operating environment	3
5.3	Storage environment	3
5.4	Transportation	3
5.5	Safety	3
5.6	Flammability	3
Section 2 : Requirements for the case		3
6	Dimensional and mechanical characteristics of the case	3
6.1	General	3
6.2	Overall dimension (figure 3)	4
6.3	Holding areas	4
6.4	Cartridge insertion	5
6.5	Window (figure 1)	5
6.6	Loading grips (figure 3)	6
6.7	Label areas (figure 3)	6
6.8	Datum areas and datum holes (figures 4, 5 and 6)	6
6.9	Support areas	7
6.10	Recognition holes (figures 5, 6 and 7)	7
6.11	Write-inhibit Hole (figures 6 and 7)	8
6.12	Pre-positioning surfaces (figures 3 and 5)	8
6.13	Cartridge lid (figures 3 and 8)	9
6.14	Cartridge reel lock (figure 11)	10
6.15	Reel access holes (figure 5)	11
6.16	Interface between the reels and the drive spindles (figures 17 and 18)	11
6.17	Light path (figures 5, 7, 15 and 16)	12
6.18	Position of the tape in the case (figure 16)	12
6.19	Tape path zone (figures 16 and 17)	13
6.20	Tape access cavity (figure 5)	13
6.21	Tape access cavity clearance requirements (figure 19)	13
Section 3 : Requirements for the unrecorded tape		31
7	Mechanical, physical and dimensional characteristics of the tape	31
7.1	Materials	31
7.2	Tape length	31
7.2.1	Length of magnetic tape	31
7.2.2	Length of leader and trailer tapes	31
7.2.3	Splicing tape	31
7.3	Width	31
7.4	Discontinuities	31
7.5	Thickness	31
7.5.1	Thickness of magnetic tape	31
7.5.2	Thickness of leader and trailer tape	31