

INTERNATIONAL  
STANDARD

ISO/IEC  
13422

First edition  
1994-10-15

---

---

---

**Information technology — Data  
interchange on 90 mm Flexible Disk  
Cartridges 10 MByte capacity using sector  
servo tracking — ISO Type 304**

*Technologies de l'information — Échange de données sur cartouches  
pour disque souple de 90 mm de diamètre, de 10 Mbyte de capacité,  
utilisant le servo-pistage sur secteur — Type ISO 304*



Reference number  
ISO/IEC 13422:1994(E)

## Contents

### Foreword

### Introduction

<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Conformance</b>	<b>1</b>
2.1	Flexible Disk Cartridge	1
2.2	Generating systems	1
2.3	Receiving systems	1
<b>3</b>	<b>Normative references</b>	<b>1</b>
<b>4</b>	<b>Definitions</b>	<b>2</b>
4.1	Average Signal Amplitude	2
4.2	case	2
4.3	data track	2
4.4	Error Detecting Code	2
4.5	Flexible Disk Cartridge	2
4.6	flux transition frequency	2
4.7	hub	2
4.8	liner	2
4.9	MFM recording mode	2
4.10	Master Standard Reference Flexible Disk Cartridge	3
4.11	peak value	3
4.12	primary identification hole	3
4.13	Reference Field	3
4.14	Secondary Standard Reference Flexible Disk Cartridge	3
4.15	secondary identification hole	3
4.16	sector servo	3
4.17	servo track	3
4.18	shutter	3
4.19	Standard Reference Amplitude	3
4.20	Typical Field	3
4.21	write-inhibit hole	3
<b>5</b>	<b>Conventions and Notations</b>	<b>4</b>
5.1	Representation of numbers	4
5.2	Acronyms	4

© ISO/IEC 1994

All rights reserved. Unless otherwise specified, 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 Geneve 20 · Switzerland  
Printed in Switzerland

<b>6</b>	<b>General description</b>	<b>5</b>
6.1	Drawings	5
6.2	Main elements	5
6.3	Description	5
6.4	Marking of the Flexible Disk Cartridge	5
<b>7</b>	<b>General requirements</b>	<b>6</b>
7.1	Environment and transportation	6
7.1.1	Testing environment	6
7.1.2	Operating environment	6
7.1.3	Storage environment	6
7.1.4	Transportation	6
7.2	Materials	7
7.2.1	Case	7
7.2.2	Liner	7
7.2.3	Disk	7
7.2.4	Hub	7
<b>8</b>	<b>Dimensional characteristics</b>	<b>7</b>
8.1	Case	7
8.1.1	Shape	7
8.1.2	Thickness	7
8.1.3	Hub access hole	8
8.1.4	Locating holes	8
8.1.5	Label area	8
8.1.6	Head windows	8
8.1.7	Write-inhibit hole	9
8.1.8	Identification holes	9
8.1.9	Profile of the shutter edge of the case	10
8.1.10	Shutter	10
8.2	Liner	10
8.3	Disk	10
8.3.1	Diameter	10
8.3.2	Thickness	11
8.4	Hub	11
8.4.1	Dimensions	11
8.4.2	Hub orientation holes	11
8.5	Optional handling notches	12
8.6	Interface between cartridge and drive	12
8.7	Compliance	12
<b>9</b>	<b>Physical characteristics</b>	<b>12</b>
9.1	Flammability	12
9.2	Coefficient of linear thermal expansion of the disk	13