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**Micrographics — Dimensions for reels  
used for 16 mm and 35 mm microfilm**

*Micrographies — Dimensions des bobines utilisées pour les microfilms  
de 16 mm et de 35 mm*



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## Foreword

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ISO 24537 was prepared by Technical Committee ISO/TC 171, *Document management applications*, Subcommittee SC 2, *Application issues*.

## Introduction

There is an increasing variety of equipment available to retrieve 16 mm and 35 mm roll microfilm. Some equipment uses conventional threading from the supply reel to the take-up reel in order to drive the microfilm. Other equipment uses automatic threading techniques with reels and an ISO approved cartridge.

This International Standard is intended to provide 16 mm and 35 mm reel dimensions which will allow compatibility with readers using conventional threading, and which can also be used for microfilm storage. If a 16 mm reel is to be used in a cartridge for use in automatic threading equipment, the requirements of ISO 7761 will apply. The requirements for camera spools are specified in ISO 6148.

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# Micrographics — Dimensions for reels used for 16 mm and 35 mm microfilm

## 1 Scope

This International Standard covers the essential dimensions of lightweight reels, made of plastic or metal, used for the storage and retrieval of processed 16 mm and 35 mm microfilm that is used in manually threaded equipment.

Reels intended for use in 16 mm automated retrieval systems are outside the scope of this International Standard. The dimensions of these reels are specified in ISO 7761.

Camera spools are also frequently used for storing processed microfilm. The dimensions of these spools are outside the scope of this International Standard, but they are specified in ISO 6148.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6196 (all parts), *Micrographics — Vocabulary*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6196 (all parts) and the following apply.

### 3.1

#### **front flange**

flange that first engages the equipment spindle

### 3.2

#### **location surface**

portion of the reel which meets the back location stop on the equipment spindle

## 4 Requirements

### 4.1 16 mm reels

The inside surface of the front flange, measured within 3,2 mm of the core, shall be in the same plane as the location surface around the square spindle hole. The allowable deviation from this alignment shall be  $\pm 0,25$  mm. The minimum diameter of the location surface around the square spindle hole shall be 15,9 mm, and the maximum diameter shall be 17,0 mm.

These specifications apply to front and rear flanges if both have square spindle holes (see Figures 1 and 2).