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# International Standard



# 6027

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **Cinematography — Projection reels for 8-mm Type S motion-picture film for use with projection cassettes — Dimensions and specifications**

*Cinématographie — Bobines de projection pour film cinématographique de 8 mm type S, destinées à être utilisées dans des cassettes de projection — Dimensions et spécifications*

**First edition — 1980-10-15**

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**UDC 778.553.4 : 771.531.352**

**Ref. No. ISO 6027-1980 (E)**

**Descriptors :** cinematography, motion picture projectors, reels, specifications, dimensions.

## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6027 was developed by Technical Committee ISO/TC 36, *Cinematography*, and was circulated to the member bodies in November 1979.

It has been approved by the member bodies of the following countries :

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Austria             | France                | Sweden         |
| Belgium             | Germany, F. R.        | Switzerland    |
| Canada              | Italy                 | United Kingdom |
| Czechoslovakia      | Japan                 | USA            |
| Denmark             | South Africa, Rep. of | USSR           |
| Egypt, Arab Rep. of | Spain                 |                |

No member body expressed disapproval of the document.

# Cinematography — Projection reels for 8-mm Type S motion-picture film for use with projection cassettes — Dimensions and specifications

## 1 Scope and field of application

**1.1** This International Standard specifies the dimensions for 8-mm Type S motion-picture projection reels designed for use in the projection cassettes, which are used with compatibly designed 8-mm Type S motion-picture projectors.

**1.2** Two models for reels are specified, size number 15 of 67 m (220 ft) nominal capacity and size number 19 of 120 m (400 ft) nominal capacity.

## 2 References

ISO 1700, *Cinematography — 8-mm Type S motion-picture raw stock film — Cutting and perforating dimensions*.

ISO 3639, *Cinematography — Projection reels for 8-mm Type S motion-picture film — Dimensions and specifications*.<sup>1)</sup>

ISO 3653, *Cinematography — Spindles for 8-mm Type S motion-picture projection reels — Dimensions*.

## 3 Dimensions

**3.1** Dimensions shall be as shown in the figures and given in the tables.

**3.2** Dimension  $H$  applies from the surface of the hub to the periphery of the flanges.

**3.3** The dimension  $K$  represents the diameter of the central portion of the reel centred on the spindle-hole axis, over which the effective central thickness  $J$  of the reel is intended to apply.

**3.4** The maximum volume of rotation is measured with a tight fitting test spindle which fits on the  $K$  diameter (solid flange side) by means of a shoulder 19,0 mm (0.75 in), in diameter. The reference plane of rotation for both flanges is a plane perpendicular to datum cylinder  $A$ .

**3.5** The concentricity of the spindle hole  $C$  and the hub  $E$  is determined as a run-out specification by dimension  $U$ . A similar allowance is provided for the concentricity of the spindle hole and the flanges in the maximum volume of rotation diagram (figure 2) by having dimension  $V$  exceed dimension  $M$  maximum by 0,80 mm (0.031 in).

<sup>1)</sup> At present at the stage of draft.