

International Standard



8040

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

Optics and optical instruments — Microscopes — Connecting dimensions of tube slides and tube slots

Optique et instruments d'optique — Microscopes — Cotes de liaison entre les tirettes et leurs logements

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Descriptors : optical equipment, microscopes, sliding elements, slots, 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8040 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Optics and optical instruments — Microscopes — Connecting dimensions of tube slides and tube slots

0 Introduction

It is a common practice to use many auxiliary devices, for example radiation filters, polarizers, compensators, auxiliary preparations, in order to produce different effects.

The dimensions of tube slides and tube slots are laid down in this International Standard so that auxiliary devices can become interchangeable, thus opening up the possibility of using auxiliary devices designed for microscopes from other manufacturers.

1 Scope and field of application

This International Standard lays down the dimensions needed for the interchange of auxiliary optics and compensators on products made by all manufacturers.

2 Dimensions

The dimensions shall be as shown in figures 1 and 2.

2.1 Tube slides

Contact springs shall be attached on the side as shown in figure 1 if the slide is equipped with optical elements requiring accurate positioning.

The springs shall be capable of being compressed within the confines of the slide.

2.2 Tube slots

Contact springs shall be attached at the top. The springs shall be capable of being compressed beyond the confines of the slot.

The orientation of the tube slots will be dealt with in a future International Standard.

Dimensions in millimetres

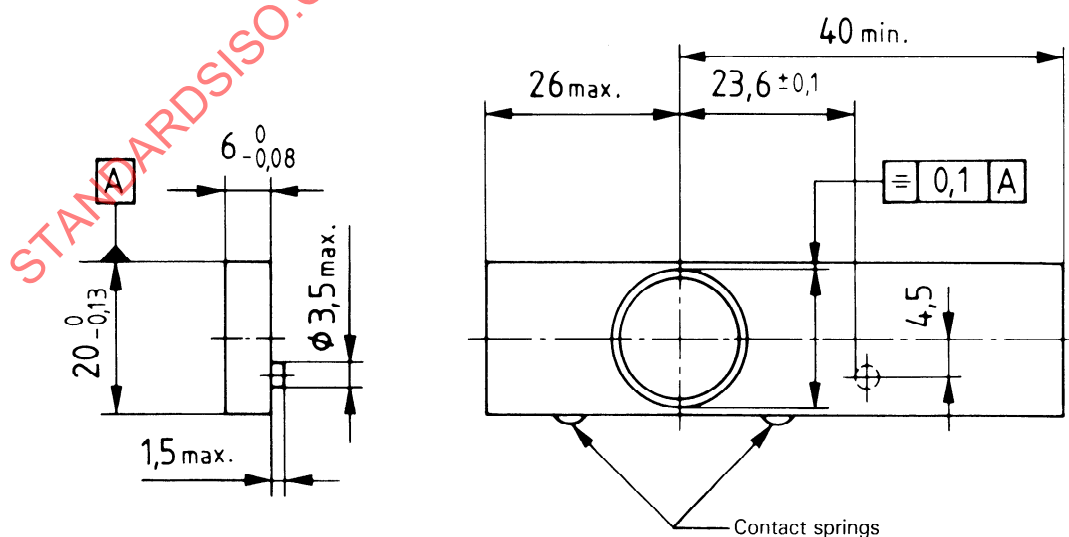


Figure 1