

International Standard



2740

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

Sintered metal materials (excluding hardmetal) — Tensile test pieces

Matériaux en métal fritté (à l'exclusion des métaux-durs) — Éprouvettes de traction

Second edition — 1986-10-01

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Descriptors : powder metallurgy, sintered products, tests, tension tests, test specimens.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

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 2740 was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*.

This second edition cancels and replaces the first edition (ISO 2740:1973), of which it constitutes a minor revision.

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.

Sintered metal materials (excluding hardmetal) — Tensile test pieces

1 Scope

This International Standard specifies

- the die cavity dimensions used for making tensile test pieces by pressing and sintering, together with certain dimensions of the test piece obtained from such a die;
- the dimensions of tensile test pieces machined from sintered materials.

2 Field of application

This International Standard is applicable to all sintered metals and alloys, excluding hardmetal.

3 Reference

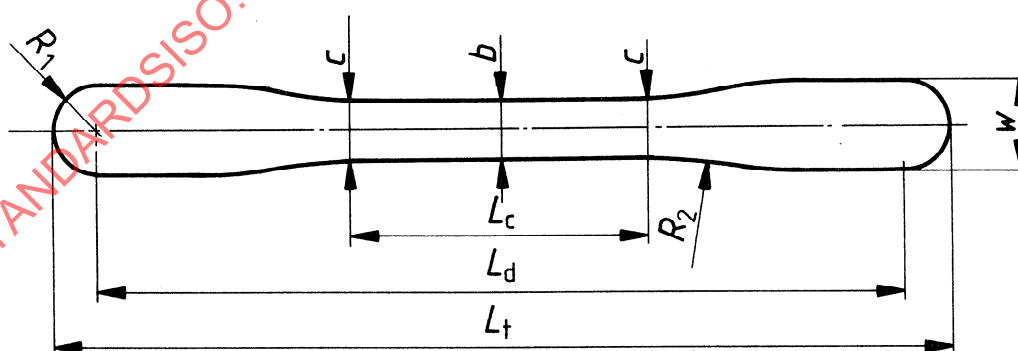
ISO 6892, *Metallic materials — Tensile testing*.

4 Manufacture of test pieces

4.1 Pressed and sintered test pieces

4.1.1 Die specifications

The dimensions of the cavity of the die used to make the test piece shall be as shown in figure 1.



Dimensions in millimetres

b	c	L_c	L_d	L_t	w	R_1	R_2
5,70 $\pm 0,02$	$b + 0,25$	32	81,0 $\pm 0,5$	89,7 $\pm 0,5$	8,7 $\pm 0,2$	4,35	25

Figure 1