
INTERNATIONAL STANDARD



2740

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

Sintered metal materials (excluding hardmetal) — Tensile test pieces

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

International Standard ISO 2740 was drawn up by Technical Committee ISO/TC 119, *Powder metallurgical materials and products*, and circulated to the Member Bodies in July 1972.

It has been approved by the Member Bodies of the following countries :

Australia	Germany	South Africa, Rep. of
Austria	Italy	Spain
Canada	Japan	Sweden
Czechoslovakia	Mexico	Thailand
Egypt, Arab Rep. of	Portugal	United Kingdom
France	Romania	U.S.A.

No Member Body expressed disapproval of the document.

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

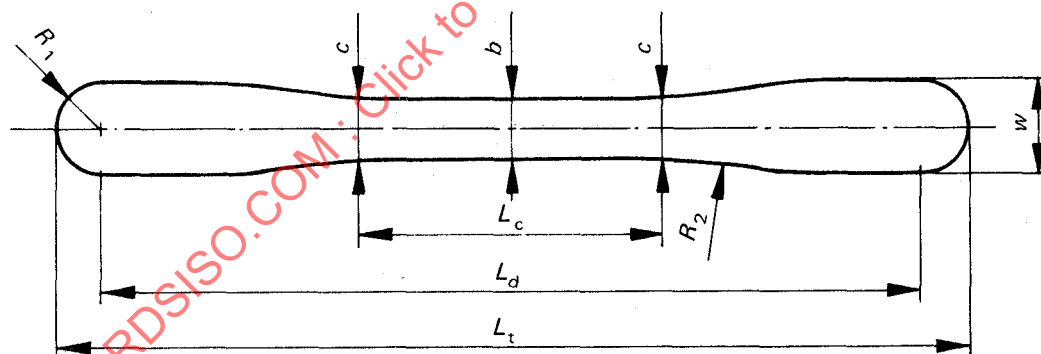
ISO 82, *Steel – Tensile testing*.¹⁾

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.



Values in millimetres

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

FIGURE 1

1) At present at the stage of draft. (Revision of ISO/R 82.)