

Metallkeraamilised puksid. Radiaalse purustustugevuse määramine

Sintered metal bushes - Determination of radial crushing strength

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 2739:2010 sisaldab Euroopa standardi EN ISO 2739:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.06.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 28.04.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 2739:2010 consists of the English text of the European standard EN ISO 2739:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.06.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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The standard is available from Estonian standardisation organisation.

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English Version

Sintered metal bushes - Determination of radial crushing
strength (ISO 2739:2006)

Bagues en métal fritté - Détermination de la résistance à
l'écrasement radial (ISO 2739:2006)

Buchsen aus Sintermetall - Bestimmung der radialen
Bruchfestigkeit (ISO 2739:2006)

This European Standard was approved by CEN on 16 April 2010.

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Foreword

The text of ISO 2739:2006 has been prepared by Technical Committee ISO/TC 119 "Powder metallurgy" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 2739:2010.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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Endorsement notice

The text of ISO 2739:2006 has been approved by CEN as a EN ISO 2739:2010 without any modification.

Sintered metal bushes — Determination of radial crushing strength

1 Scope

This International Standard specifies a method of measuring the radial crushing strength of sintered metal parts in the form of hollow cylinders, commonly known as bushes.

This method is applicable to sintered bushes composed of pure or alloyed metal powders.

2 Principle

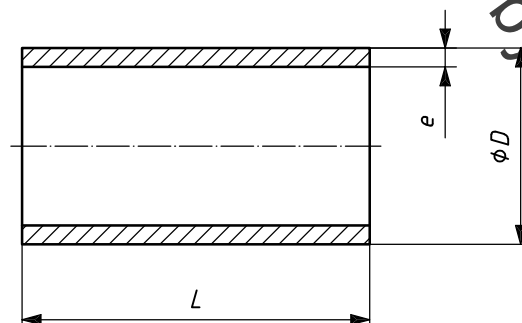
A hollow cylinder is submitted to a continuously increasing radial load until breakage occurs, provided that the deformation does not exceed 10 % of the diameter. The maximum load observed is used to calculate a value in relation to the dimensions of the hollow cylinder known as “radial crushing strength”.

3 Apparatus

- 3.1 Pressing apparatus**, which enables a radial load to be applied to a hollow cylinder.
- 3.2 Load-measuring device**, capable of giving the reading of the maximum value attained.

4 Test piece

The test piece (see Figure 1) shall be in the form of a sintered hollow cylinder (which may or may not be oil-impregnated), without flanges, notches, grooves, pronounced chamfers, drilled holes, oilways or keyways. If necessary, the cylinder may be machined but, in this case, the results obtained may differ from those obtained with a cylinder which has not been machined.



Key

- L length of the hollow cylinder
- D external diameter of the hollow cylinder
- e thickness of the cylinder wall

Figure 1 — Test piece