
**Mechanical testing of metals — Ductility
testing — Compression test for porous
and cellular metals**

*Essais mécaniques des métaux — Essais de ductilité — Essai de
compression des métaux poreux et cellulaires*



Reference number
ISO 13314:2011(E)

© ISO 2011

www.iso.org/iso/13314



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 0111
Fax + 41 22 749 0947
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

| | |
|--|----|
| Foreword | iv |
| Introduction..... | v |
| 1 Scope..... | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions | 1 |
| 4 Principle | 4 |
| 5 Apparatus..... | 4 |
| 6 Test specimen..... | 4 |
| 6.1 Geometry | 4 |
| 6.2 Number of test specimens | 4 |
| 6.3 Sampling of test specimen | 4 |
| 7 Test procedure..... | 5 |
| 7.1 Test temperature..... | 5 |
| 7.2 Measurement of initial dimensions of test specimen..... | 5 |
| 7.3 Test speed..... | 5 |
| 7.4 General conduct of test | 6 |
| 7.5 Preliminary test and unloading test | 6 |
| 7.6 Zero point for the compressive strain..... | 6 |
| 7.7 Energy absorption and energy absorption efficiency | 6 |
| 8 Test report..... | 7 |
| 8.1 General information | 7 |
| 8.2 Optional information | 7 |