ISO 4965-1:2012-07 (E)

Metallic materials - Dynamic force calibration for uniaxial fatigue testing - Part 1: Testing systems

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms,definitions,andsymbols 1

4 General requirements 3
4.1 Temperature 3
4.2 Dynamic testing system 3

5 Procedure 5
5.1 Initial checks 5
5.2 Calibration procedure 6

6 Calculation of results 7
6.1 Calculate DCD forces and measured force ranges 7
6.2 Replica test-piece -- Method A 8
6.3 Compliance envelope -- Method B 8

7 Report 9
7.1 General information 9
7.2 Results of dynamic calibration 10
7.3 Re-calibration 10

Annex A (normative) Guidance on re-calibration to be supplied to the user 11

Annex B (informative) Guidance on estimation of the bandwidth of the testing system instrumentation 12

Bibliography 13