

DIN EN ISO 148-3:2017-04 (E)

Metallic materials - Charpy pendulum impact test - Part 3: Preparation and characterization of Charpy V-notch test pieces for indirect verification of pendulum impact machines (ISO 148-3:2016)

Contents

	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
3.1 Definitions pertaining to the machine	6
3.2 Definitions pertaining to energy	7
3.3 Definitions related to groups of test pieces	7
3.4 Definitions pertaining to test pieces	7
4 Symbols and abbreviated terms	8
5 Reference testing machine	9
5.1 Characteristics	9
5.1.1 General	9
5.1.2 Geometrical characteristics (see Table 2 and Figures 1 and 2)	10
5.1.3 Capacity	10
5.1.4 Hardness	10
5.1.5 Vibration	11
5.1.6 Energy-indicating mechanism	11
5.2 Verification of reference testing machine	11
6 Reference test pieces	11
6.1 General	11
6.2 Material	11
6.3 Dimensions	12
6.4 Marking	12
6.5 Qualification of a batch of reference test pieces	12
6.6 Reference test piece sets	13
7 Certificates for reference test pieces	13
8 Notes for using sets of reference test pieces	13
Annex A (informative) Uncertainty of the certified KV value of Charpy reference materials	16
Bibliography	23