DIN EN ISO 5579:2014-04 (E)

Non-destructive testing - Radiographic testing of metallic materials using film and X- or gamma rays - Basic rules (I SO 5579:2013)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Classification of radiographic techniques 6

5 General 7
5.1 Personnel qualification 7
5.2 Protection against ionizing radiation 7
5.3 Surface preparation and stage of manufacture 7
5.4 Identification of radiographs 7
5.5 Marking 7
5.6 Overlap of films 7
5.7 Image quality indicator (IQI) 7

6 Recommended techniques for making radiographs 7
6.1 Test arrangements 7
6.2 Choice of X-ray tube voltage and radiation source 8
6.3 Film systems and screens 9
6.4 Alignment of beam 11
6.5 Reduction of scattered radiation 11
6.6 Source-to-object distance 11
6.7 Maximum area for a single exposure 13
6.8 Density of radiograph 14
6.9 Processing 14
6.10 Film viewing conditions 14

7 Test report 14