DIN ISO 10110-16:2024-12 (E)

Optics and photonics - Preparation of drawings for optical elements and systems - Part 16: Diffractive surfaces (ISO 10110-16:2023)

Contents

Page

National foreword 3

National Annex NA (informative) **Bibliography** 4

Foreword 5

Introduction 6

1 Scope 7

2 Normative references 7

3 Terms and definitions 7

4 Coordinate systems 10
4.1 General 10
4.2 Description of global and local coordinate systems 10
4.3 Sign convention 13

5 Drawing specifications 13
5.1 General 13
5.2 Symbols and abbreviations 14
5.3 Marking and hatching 14
5.4 Test regions 16
5.5 Technological parameters: 17
5.6 Specification of the substrates 17
5.6.1 Specification of surface form tolerances 17
5.6.2 Specifications for wave front deformation tolerances 18
5.6.3 Specification of other optical tolerances 18

6 Data exchange 18

Annex A (informative) **Classification of diffractive structures** 20

Annex B (informative) **The three most important types of diffractive structures** 22

Bibliography 35