ISO 7217:2023-04 (E)

Titanium and titanium alloys - Bar, rod and billet - Technical delivery conditions

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Information to be supplied by the purchaser 2
4.1 General information 2
4.2 Options 2

5 Manufacturing 3

6 Requirements 3
6.1 General 3
6.2 Chemical composition 3
6.3 Tensile properties 6
6.4 Dimensional tolerance 8
6.4.1 General 8
6.4.2 Tolerance of diameter and width across flats 8
6.4.3 Tolerance of diameter for rounds with under 8 mm in diameter 9
6.4.4 Tolerance of width and thickness 9
6.4.5 Tolerance of length 9
6.4.6 Straightness 10
6.5 Surface conditions, imperfections and defects 10
6.5.1 Non-destructive inspection 10

7 Inspection 11
7.1 Types of inspection and inspection documents 11
7.2 Specific inspection 11
7.2.1 General 11
7.2.2 Samples and test pieces for chemical composition and mechanical testing for product analysis 11

8 Rounding-off procedure 12

9 Reference test and analysis 12

10 Rejection 12

11 Marking 12
11.1 General 12
11.2 Products marking 13

12 Packaging 13

13 Millproductcertificate 13

14 Certification 13

Bibliography 14