DIN EN 10293:2015-04 (E)

Steel castings - Steel castings for general engineering uses

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Information to be supplied by the purchaser 5

5 Designation 5

6 Manufacture 5
6.1 Manufacturing process 5

6.1.1 Melting 5
6.1.2 Heat treatment 5
6.2 Welding operations 6

6.2.1 General 6
6.2.2 Production welding 6

6.3 Further processing 6

7 Requirements 6

7.1 General 6
7.2 Material 6
7.2.1 Chemical composition 6
7.2.2 Mechanical properties 9

·· 7.2.3 Other properties (magnetic properties) 15
7.3 Casting 15

7.3.1 Chemical composition 15
7.3.2 Mechanical properties 15

7.3.3 Non-destructive testing 15

7.3.4 Conditions of the casting 15

7.3.5 Mass of the casting 15

7.3.6 Additional requirements regarding the condition of the casting 15

8 Inspection 15

8.1 General 15

8.2 Type of inspection document and type of inspection 15

8.3 Test unit 15

8.4 Samples 15
8.5 Test procedures 16

8.6 Invalidation of test results 16

8.7 Retests 16

8.8 Sorting and reprocessing 16

9 Marking 16

10 Packaging and surface protection 16

11 Complaints 16

Annex A (informative) Guidance data for welding 17

Bibliography 19