

# DIN EN 10293:2015-04 (E)

## Steel castings - Steel castings for general engineering uses

---

<b>Contents</b>	<b>Page</b>
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

<b>8.3 Test unit .....</b>	<b>15</b>
<b>8.4 Samples .....</b>	<b>15</b>
<b>8.5 Test procedures .....</b>	<b>16</b>
<b>8.6 Invalidation of test results .....</b>	<b>16</b>
<b>8.7 Retests .....</b>	<b>16</b>
<b>8.8 Sorting and reprocessing .....</b>	<b>16</b>
<b>9 Marking .....</b>	<b>16</b>
<b>10 Packaging and surface protection .....</b>	<b>16</b>
<b>11 Complaints .....</b>	<b>16</b>
<b>Annex A (informative) Guidance data for welding .....</b>	<b>17</b>
<b>Bibliography .....</b>	<b>19</b>