

Steel closed die forgings — General technical delivery conditions

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British Standard

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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Steel closed die forgings - General technical delivery conditions

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Gesenkschmiedeteile aus Stahl - Allgemeine technische
Lieferbedingungen

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Content

Foreword	3
1 Scope	4
2 Normative references	4
3 Information to be supplied by the purchaser	5
4 Reference drawing	5
5 Tooling	6
5.1 General	6
5.2 Tools specific to a particular purchaser	6
5.3 Tools not specific to a particular purchaser	6
5.4 Modification of the tools	7
6 Material and heat treatment	7
6.1 Material	7
6.2 Heat treatment	7
7 General technical conditions of manufacturing	8
7.1 Responsibility of the forging manufacturer	8
7.2 Surface conditions	8
7.3 Pre-production samples	8
7.4 Product marking	9
7.5 Delivery quantity deviations	9
8 Inspection and test procedures	9
8.1 General principle	9
8.2 Routine inspection	10
8.3 Additional inspection and testing	10
9 Inspection and testing documents	10
9.1 General	10
9.2 Submission	11
10 Non-conformity	11
10.1 Complaints	11
10.2 Remedial action	11
Annex A (informative) Information to be supplied by the purchaser at enquiry and order stage	12

Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 28, Steel forgings, the Secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies the general delivery conditions for steel closed die forgings.

These forgings are produced by blow or pressure of the heated product at a suitable temperature (hot or warm) in a die, which in the forming process shapes the material to the form of the die. Similar products, such as warm extrusions and upset forgings, are also regarded as part of the process.

This European Standard applies also to closed die forgings when their surface is partially treated subsequently by cold forming or coining, in order to improve the surface quality or to obtain more precise dimensional accuracy.

This standard does not apply to open die forgings, processes in which the tooling does not fully surround the components produced.

2 Normative references

This European Standard incorporates by reference provisions from specific editions of certain other publications. These normative references are cited at the appropriate points in the text and the publications are listed hereafter. Subsequent amendments to, or revisions of, any of these publications apply to this European Standard only when incorporated in it by amendment or revision. In the case of undated references, the most recent edition of publications referred to applies.

EN 10002-1	Metallic materials - Tensile testing - Part 1: Method of test (at ambient temperature)
EN 10002-5	Metallic materials - Tensile testing - Part 5: Method of test at elevated temperatures
EN 10003-1	Metallic materials - Hardness test - Brinell - Part 1: Test method
EN 10045-1	Metallic materials - Charpy impact test - Part 1: Test method
EN 10052	Vocabulary of heat treatment terms of ferrous products
EN 10109-1	Metallic materials - Hardness test - Part 1 Rockwell test (scales A - B - C - D - E - F - G - H - K) and Rockwell superficial test (scales 15 N, 30 N, 45 N, 15 T, 30 T and 45 T)
EN 10204	Metallic products - Type of inspection documents
EN 10243-1	Steel die forgings - Tolerances on dimensions - Part 1: Drop and press forgings
EN 10243-2	Steel die forgings - Tolerances on dimensions - Part 2: Upset forgings made on horizontal forging machines
CR 10261	ECISS Information Circular 11 - Iron and steel - Review of available methods of chemical analysis