

Specification for

**Chromium-nickel-
copper-molybdenum
corrosion resisting
steel (precipitation
hardening) billets, bars,
forgings and
parts (1130 MPa
to 1330 MPa)**

ICS 49.025.10

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ACE/15, Wrought and cast steels for aerospace, upon which the following bodies were represented:

British Forging Industry Association
British Industrial Fasteners Federation
British Investment Casting Trade Association
British Iron and Steel Producers' Association
British Steel Industry
British Steel Industry (Wire Section)
Civil Aviation Authority (Airworthiness Division)
Institute of British Foundrymen
Ministry of Defence
National Association of Steel Stockholders
Seamless Steel Tube Association
Society of British Aerospace Companies Limited
Spring Research and Manufacturers' Association
Stainless Steel Wire Industry Association
Steel Casting Research and Trade Association

This British Standard, having been prepared under the direction of the Aerospace Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 February 1995

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Amendments issued since publication

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A2	April 2015	See Foreword

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution.

Supersession

BS 3S 144:1995+A2:2015 supersedes BS 3S 144:1995 (incorporating Amendment No. 1:1996), which is withdrawn.

This British Standard has been prepared under the direction of the Aerospace Standards Policy Committee and is a revision of BS 2S 144:1976, which is withdrawn. The following changes have been embodied in this issue of the standard.

Information about this document

Text introduced or altered by Amendment No. 2 is indicated in the text by tags **A2** **A2**. Minor editorial changes are not tagged. Previous amendments are not indicated.

The standard has been converted to the ASD-STAN format and conforms to BS EN 2500. The fully heat treated condition has been added as an option for the condition of supply of forgings, black bar, bright bar and drawn bar.

The terminology used to describe the heat treatment of this steel has been modified to simplify it and improve the clarity of meaning as follows:

2S 144 Terminology	3S 144 Terminology
Softened	Softened
Primary hardening treatment:	
a) solution treatment	Solution treated
b) precipitation treatment first stage	Primary harden
Final heat treatment:	
precipitation treatment final stage	Precipitate

The units given in line 20 of the tables for Izod impact strength are foot pound-force (ft·lbf)¹⁾ because Izod testing machines are calibrated in imperial units.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ 1 ft·lbf = 1.355818 N·m.