



BS 601 : Part 3 : 1973

UDC 669.14.018.58-41:621.3.042

Specification for

Steel sheet and strip for magnetic circuits of electrical apparatus

**Part 3. High permeability steel
with mechanical properties**

Gr 5

British Standards Institution



Documents

Document Supply and

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ISBN: 0 580 07585 0

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The following BSI references relate to the work on this standard:
Committee reference ISE/4/5 Draft for comment 71/44161DC

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Engineering Equipment Users' Association	Royal Institute of British Architects
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Greater London Council	Society of Motor Manufacturers and Traders Ltd.
Institute of British Foundrymen	Stainless Steel Development Association
Institute of Iron and Steel Wire Manufacturers	Tin Research Institute
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BEAMA Transmission and Distribution Association	Rotating Electrical Machines Association
Electricity Council, the Central Electricity Generating Board and the Area Boards in England and Wales	Small Electric Motor Manufacturing Association
Power Generation Association	Telecommunication Engineering and Manufacturing Association
Radio and Electronic Component Manufacturers Federation	The Wolfson Centre for the Technology of Soft Magnetic Materials



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Amendments issued since publication

Amd. No.	Date of issue	Text affected

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Foreword

This part of this revised British Standard authorized by the Iron and Steel Industry Standards Committee applies to steel which is used primarily in rotating machines. The data is expressed in terms of SI units.

The new edition has been divided into five parts. The other parts are:

Part 1 Non-oriented steel 0.25 mm thick and above.

Part 2 Oriented steel 0.25 mm thick and above.

Part 4 Thin magnetic steel less than 0.25 mm thick.

Part 5 Methods of test

It should be noted that methods of test are now covered in Part 5 of this standard and not, as in the previous edition, in the form of attached appendices.

The grade of material is designated by the minimum 0.1 % proof stress value in N/mm² (e.g. Grade 150).

If typical values of the mandatory characteristics specified in this standard are required, reference should be made to the manufacturer.

NOTE. Attention is drawn to the certification facilities offered by BSI — see the inside back cover of this standard.