

Please be aware that this PDF has been created from the original hardcopy document, which might not be in good condition and so the PDF might reflect this.

WITHDRAWN July 1987 © Amn

BRITISH STANDARD 4757 : 1971

UDC 669.14—427.4:666.98

SPECIFICATION FOR
NINETEEN-WIRE STEEL STRAND
FOR PRESTRESSED CONCRETE



WITHDRAWN

BRITISH STANDARDS INSTITUTION

SBN: 580 06773 4

SPECIFICATION FOR
NINETEEN-WIRE STEEL STRAND
FOR PRESTRESSED CONCRETE

BS 4757 : 1971

WITHDRAWN

Price 50p net

BRITISH STANDARDS INSTITUTION

Incorporated by Royal Charter

2 PARK STREET, LONDON W1A 2BS

Telex: 266933

Telephone: 01-629 9000

AVA Documents
Document Sharing Hub

THIS BRITISH STANDARD, having been approved by the Iron and Steel Industry Standards Committee, was published under the authority of the Executive Board on 30 July, 1971.

© British Standards Institution, 1971.

SBN: 580 06773 4

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price £1.50. The BS Yearbook may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standard:

BS 4545. Methods for mechanical testing of steel wire.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI references relate to the work on this standard:
Committee reference ISE/9, ISE/9/-/6. Draft for comment 69/30471

Printed in England at The Baynard Press, London EC1R 0JU

CONTENTS

	Page
Co-operating organizations	4
Foreword	5

SPECIFICATION

1. GENERAL REQUIREMENTS

1.1 Scope	5
1.2 Definitions	5
1.3 Information to be supplied by the purchaser	6
1.4 Manufacture of strand	6
1.5 Routine inspection and testing	7
1.6 Selection of test pieces and number of tests	7
1.7 Tensile test	7
1.8 Load-extension graph	8
1.9 Relaxation test	8
1.10 Identification	9

2. 'AS SPUN' STRAND

2.1 Manufacture	10
2.2 Sizes of strand	10
2.3 Areas and mass	10
2.4 Mechanical properties	10

3. TREATED STRAND

3.1 Manufacture	11
3.2 Final heat treatment	11
3.3 Dimensions and tolerances	11
3.4 Mechanical properties	11
3.5 Retests	13

APPENDIX

A. Relation between metric and other values	14
---	----

TABLES

1. Chemical composition	6
2. Physical and mechanical properties of 'as spun' strand	10
3. Physical properties of treated strand	11
4. Mechanical properties of treated strand	12