

**SPECIFICATION FOR
PATENTED
COLD DRAWN STEEL
SPRING WIRE**

B.S. 1408 : 1964

Price 7/6 net

BRITISH STANDARDS INSTITUTION

INCORPORATED BY ROYAL CHARTER

BRITISH STANDARDS HOUSE, 2 PARK ST., LONDON, W.1

TELEGRAMS: STANDARDS LONDON W1

TELEPHONE: MAYFAIR 9000

THIS BRITISH STANDARD, having been approved by the Iron and Steel Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 16th December, 1964.

First published, September, 1947.

First revision, December, 1964.

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 4000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price 15s. The B.S. Yearbook may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standard:

B.S. 18. Methods for tensile testing of metals.

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 B.S.I. references relate to the work on this standard:
Committee references ISE/26, ISE/26/4
Draft for comment D63/13745

CONTENTS

Co-operating organizations	Page 5
Foreword	6

PART 1. SPECIFICATIONS FOR

- B.S. 1408B, Steel spring wire
- B.S. 1408C, High duty unground steel spring wire
- B.S. 1408D, High duty ground steel spring wire

SECTION ONE: GENERAL CLAUSES

1. Scope	7
2. Steelmaking process	7
3. Chemical composition	7
4. Freedom from defects	7
5. Surface finish	7
6. Selection of test samples	8
7. Tolerances	8
8. Tests	8
a. Tensile test	8
b. Torsion test	9
c. Reverse bend test	10
d. Wrapping test	10
e. Deep etch test	12
f. Decarburization test	12
g. Dead wire test	12
9. Galvanizing	12
10. Retests	12
11. Packing and identification	13
12. Designation for ordering purposes	13

SECTION TWO: SPECIFIC CLAUSES

Steel spring wire. B.S. 1408B	15
High duty unground steel spring wire. B.S. 1408C	16
High duty ground steel spring wire. B.S. 1408D	18