# Scheduling, dimensioning, bending and cutting of steel reinforcement for concrete — Specification

ICS 77.140.15; 91:080.40



NO COPYING V

## Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee ISE/9, Steel for concrete reinforcement, to Subcommittee ISE/9/1, Bars, wire and fabric for concrete reinforcement, upon which the following bodies were represented:

British Coatings Federation British Precast Concrete Federation Concrete Society Department of Transport — Highways Agency Galvanizers Association Institution of Structural Engineers UK Certification Authority for Reinforcing Steels UK Steel Association

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 21 September 2005

© BSI 2008

First published April 2000 First revision September 2005

### Amendments issued since publication

Amd No.	Date	Comments
Amendment No. 1	31 January 2008	Changes to Table 1.

The following BSI references relate to the work on this standard: Committee reference ISE/9/1 Draft for comment 04/30109898 DC

ISBN 978 0 580 60699 1

This is a preview. Click here to purchase the full publication.

# Contents

		Page	
	Inside front	cover	
Fore	eword	ii	
1	Scope	1	
2	Normative references	1	
3	Terms and definitions	1	
4	Notation	2	
<b>5</b>	Form of schedule	3	
6	Form of bar or fabric label	4	
7	Dimensions	8	
8	Scheduling	8	
9	Tolerances on cutting and bending dimensions	21	
10	Radius of bending	21	
11	Bending of fabric reinforcement	22	
12	Fabrication and routine inspection	23	
Ann	Annex A (informative) Third party certification and batch testing		
Figure 1 — Form of bar schedule		5	
Figure 2 — Form of fabric schedule		6	
Figure 3 — Purpose made fabric example		$\overline{7}$	
Figure 4 — Dimensioning of an acute angle		9	
Figure 5 — Dimensioning of cranked bars		9	
Figure 6 — Example of bar with more than one bend		10	
Figure 7 — Bending instruction sketches		22	
Figu	Figure 8 — Position of welded transverse bars		
Tab	Table 1 — Notation of steel reinforcement		
	Table 2 — Minimum scheduling radii, former diameters and bend		
allowances		11	
Tab. of le	Table 3 — Standard shapes, their method of measurement and calculation of length		
Table 4 — Standard fabric types and stock sheet size		20	
Table 5 — Tolerances			
Table 6 — Maximum limit for which a preformed radius is required			
Tab	Table 7 — Frequency of inspection		

## Foreword

This British Standard has been prepared by Subcommittee ISE/9/1. It supersedes BS 8666:2000, which is withdrawn.

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags  $A_1$   $A_2$ .

The standard has been revised to incorporate:

- shape codes available under BS EN ISO 3766:2003;

- revised notation in accordance with BS 4449:2005 and BS EN 10080:2005;

— revisions to BS 4449:2005 (including the omission of grade 250 and grade 460 reinforcement), BS 4482:2005 and BS 4483:2005; the requirements of BS 4483:2005 have caused the withdrawal of standard fabrics A98 and B196, and changes to standard fabrics C503, C385 and C283;

— the provisions of BS EN 1992-1-1 (including the preclusion of wire to BS 4482:2004 for use for structural purposes);

— rationalization of notes to the table of standard shapes (Table 3);

— electronic data files;

- revisions to *fabrication* and *routine* inspection.

*Assessed capability*. Users of this British Standard are advised to consider the desirability of quality system assessment and registration against BS EN ISO 9001:2000 by an accredited third-party certification body (see Annex A).

This standard comes into effect on 1 January 2006.

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 26, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.