



Notification Number: 1995/50/UK

**Departmental standard bd 12/9x design of corrugated steel  
buried structures with spans not exceeding 8 metres  
(including circular arches) dot ref: ep 042/94/ec.**

Date received : 10/02/1995

End of Standstill : 15/05/1995

Message

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE  
ATT. M. MORTUREUX

INSTITUT BELGE DE NORMALISATION,  
ATT. M. CROON

INSPECTION DU TRAVAIL ET DES MINES  
VIA MINISTERE DES AFFAIRES ETRANGERES  
ATT. M. A. SCHUSTER

MINISTERE DE L'INDUSTRIE  
ATT. M. CAVANNA

DEPT. OF TRADE AND INDUSTRY, QUALITY AND EDUCATION DIVISION,  
ATT. MR. K. LAWLESS

GOVERNMENT SERVICE OF INDUSTRY AND COMMERCE, NSAI  
ATT. MR. J. NULTY

MINISTERIE VAN ECONOMISCHE ZAKEN, (DG BEB),  
ATT. MR. B. SIEBRING

ERHVERVSFREMME STYRELSEN  
INDUSTRIMINISTERIET  
ATT. MR. KELD DYBKJAER AND KLAUS SPOEHR

MINISTRY OF INDUSTRY, ENERGY & TECHNOLOGY  
ATT. MR. Z.P. MAVROUKAS

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ATT. MR. MELAGRAKIS

MIN WIRTSCHAFT  
ATT. DR. WINKEL



BUNDESMINISTERIUM FÜR WIRTSCHAFTSANGELEGENHEITEN  
ATT. FRAU GREGORITH

MINISTERIO DE RELACIONES CON LA COMUNIDAD  
ATT. MR. D. ALFREDO RAMBLA JOVANI

MINISTÈRE DE L'INDUSTRIE  
ATT. MR. ADALBERTO PEREA MARTIN, ESPAGNE

DIRECÇÃO GERAL DA QUALIDADE  
ATT. MR. CANDIDO DOS SANTOS, PORTUGAL

KOMMERSKOLLEGIUM  
ATT. MS. KERSTIN CARLSSON

FINLAND

DGS INTERNATIONAL BELGIUM

REP. PERMANENTE ROYAUME UNI

REP. PERMANENTE IRLANDE

REP. PERMANENTE GRECE

EUROPEAN FREE TRADE ASSOCIATION SURVEILLANCE AUTHORITY  
ATT. M. BOHR

EUROPEAN FREE TRADE ASSOCIATION  
ATT. MS. MEADEN

TELEX 001

COMMUNICATION FROM THE COMMISSION - SG (95) D/50276  
DIRECTIVES 83/189/EEC AND 88/182/EEC

NOTIFIKATION - NOTIFIZIERUNG - NOTIFICATION - NOTIFICACION  
NOTIFICATION - NOTIFICA - KENNISGEVING - NOTIFICACAO 95/0050/UK

FRISTERNE INDLEDES IKKE -KEIN FRISTBEGINN - DOES NOT OPEN THE  
DELAYS - NO ABRE EL PLAZO - N'OUVRE PAS DE DELAIS - NON FA  
DECORRERE LA MORA - GEEN TERMIJNBEGIN - NAO INICIA O PRAZO

- 3B1 : 9500276.EN

**1. Structured Information Line**

TLX 001 IND- 95 0050 UK- EN ----- 950210 --- ---

**2. Member State**

United Kingdom



### 3. Department Responsible

Department of trade and industry: standards policy unit

### 3. Originating Department

Department of transport

### 4. Notification Number

95/0050/UK

### 5. Title

Departmental standard bd 12/9x  
design of corrugated steel buried structures with spans not  
exceeding 8 metres (including circular arches)  
dot ref: ep 042/94/ec.

### 6. Products Concerned

Corrugated steel buried structures including circular arches  
and their associated components, concrete

### 7. Notification Under Another Act

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### 8. Main Content

This standard covers bolted segmental corrugated steel buried  
structures of closed circular, closed multi-radii or circular  
arch cross sections and helically wound corrugated steel  
buried structures of closed circular cross section, all of  
span not exceeding 8 metres, subject to certain requirements.

### 9. Brief Statement of Grounds

The standard gives the specification, design and construction  
requirements for corrugated steel buried structures of span  
not exceeding 8 metres, that act compositely with the  
surrounding material to resist loading. It describes the  
procedures to be followed that permit the contractor to  
choose  
a proprietary structure that meets the overseeing  
organisation's requirements. The standard follows the  
principles of bd 12/94 (previously notified to the ec as  
93/0376/uk and requires a departmental type approval  
certificate for all corrugated steel buried structures and  
clarifies and strengthens the requirements in regard to  
durability and maintenance. Circular arches on concrete  
foundations are now permitted and the relevant requirements  
are included in this standard.

### 10. Reference Documents - Basic Texts

References:

References new to the ec, therefore enclosed with this  
document:-



bs 8002 1994 earth retaining structures

sa 1/94 lists of approved/registered products (mchw 0.3.1)

poulos h g and davis e b - 'elastic solutions for soil and rock mechanics', john wiley and sons, 1974, chapter 6.

'relative values of acid deposition in the united kingdom 1986 - 1991' - available from adas bridgets, farm buildings research team, coley park, reading, berkshire rg1 6de.

references previously sent to the ec, therefore not enclosed with this document:-

bs 5400 pt 2 1978 (sent with doc ref 88/0151/uk)

bs 5930 1981 (sent with doc ref 88/0151/uk)

vogel, a i 'vogel's qualitative inorganic analysis ...' (sent with doc ref 88/0151/uk)

bd 2/89 pt 1 (sent with doc ref 90/0266/uk)

bd 37/88 (sent with doc ref 90/0266/uk)

bd 24 (sent with 91/0367/uk)

hd 26 (sent with 92/0335/uk)

sd 4/92 (sent with doc ref 93/0023/uk)

bs 729 1971 (1986) (sent with 89/0100/uk)

bs 5750 pt 2 1987 (sent with 89/0100/uk)

bs 8004 1986 (sent with 90/0303/uk)

bs 812 pt 117 1988 (sent with doc ref 90/0303/uk)

bs 1377 1990 pt 2 (sent with doc ref 93/0252/uk)

pt 3 (sent with doc ref 93/0376/uk)

pt 4 (sent with doc ref 93/0334/uk)

pt 6 (sent with doc ref 93/0376/uk)

pt 9 (sent with doc ref 93/0334/uk)

specification for highway works (sent as doc ref 93/0118/uk)

bs 5400 pt 4 1990 (sent with doc ref 92/0284/uk)

the following two documents are considered to be 'bibliography' and are therefore not included:-



'bridge foundations and sub-structures', department of the environment, building research establishment report, london hmso

meyerhof g g and baikie l d - 'strength of steel culvert sheets bearing against compacted sand backfill', highway research board research record no 30, 1963. hrb, 2101 constitution avenue, washington dc 240418.

**11. Invocation of the Emergency Procedure**  
NO.

**12. Grounds for the Emergency**  
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D. WILLIAMSON  
COMEUR  
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