

# Eurocode - Übersicht

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## Literatur

[Dok12] Dokumentenstelle der EU. Eurocode, Ausgabe 2012.

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# 1 Allgemein

Beinhaltet 10 Codes mit insgesamt 58 Teile.<sup>1</sup>

[Dok12]

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<sup>1</sup>EN 1990 ist unterteilt in Teil 1a und 1b, daher streng genommen 59 Teile

## 2 Übersicht

### 2.1 Eurocode 0 - Grundlagen der Tragwerksplanung [EN 1990](#)

#### 01.

01a.

EN 1990:2002

*Basis of structural design*

#### 02.

01b.

EN 1990:2002/A1:2005

*Basis of structural design*

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## 2.2 Eurocode 1 - Einwirkungen auf Tragwerke EN 1991

### 03.

02.

EN 1991-1-1:2002

Actions on structures - Part 1-1

*General actions Densities, self-weight, imposed loads for buildings*

### 04.

03.

EN 1991-1-2:2002

Actions on structures - Part 1-2

*General actions - Actions on structures exposed to fire*

### 05.

04.

EN 1991-1-3:2003

Actions on structures - Part 1-3

*General actions - Snow loads*

### 06.

05.

EN 1991-1-4:2005

Actions on structures - Part 1-4

*General actions - Wind actions*

### 07.

06.

EN 1991-1-5:2003

Actions on structures - Part 1-5

*General actions - Thermal actions*

### 08.

07.

EN 1991-1-6:2005

Actions on structures - Part 1-6

*General actions - Actions during execution*

### 09.

08.

EN 1991-1-7:2006

Actions on structures - Part 1-7

*General actions - Accidental actions*

### 10.

09.

EN 1991-2:2003

Actions on structures - Part 2

*Traffic loads on bridges*

### 11.

10.

EN 1991-3:2006

Actions on structures - Part 3

*Actions induced by cranes and machinery*

### 12.

11.

EN 1991-4:2006

Actions on structures - Part 4

*Silos and tanks*

### **2.3 Eurocode 2 - Bemessung und Konstruktion von Stahlbeton- und Spannbetontragwerken EN 1992**

**13.**

12.

EN 1992-1-1:2004

Design of concrete structures - Part 1-1

*General rules and rules for buildings*

**14.**

13.

EN 1992-1-2:2004

Design of concrete structures - Part 1-2

*General rules - Structural fire design*

**15.**

14.

EN 1992-2:2005

Design of concrete structures - Part 2

*Concrete bridges - Design and detailing rules*

**16.**

15.

EN 1992-3:2006

Design of concrete structures - Part 3

*Liquid retaining and containment structures*

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## 2.4 Eurocode 3 - Bemessung und Konstruktion von Stahlbauten EN 1993

17.

16.

EN 1993-1-1:2005

Design of steel structures - Part 1-1

*General rules and rules for buildings*

18.

17.

EN 1993-1-2:2005

Design of steel structures - Part 1-2

*General rules - Structural fire design*

19.

18.

EN 1993-1-3:2006

Design of steel structures - Part 1-3

*General rules - Supplementary rules for cold-formed members and sheeting*

20.

19.

EN 1993-1-4:2006

Design of steel structures - Part 1-4

*General rules - Supplementary rules for stainless steels*

21.

20.

EN 1993-1-5:2006

Design of steel structures - Part 1-5

*General rules - Plated structural elements*

22.

21.

EN 1993-1-6:2007

Design of steel structures - Part 1-6

*Strength and stability of shell structures*

23.

22.

EN 1993-1-7:2007

Design of steel structures - Part 1-7

*Strength and stability of planar plated structures subject to out of plane loading*

24.

23.

EN 1993-1-8:2005

Design of steel structures - Part 1-8

*Design of joints*

25.

24.

EN 1993-1-9:2005

Design of steel structures - Part 1-9

*Fatigue*

26.

25.

EN 1993-1-10:2005

Design of steel structures - Part 1-10

*Material toughness and through- thickness properties*

**27.**

26.

EN 1993-1-11:2006

Design of steel structures - Part 1-11

*Design of structures with tension components*

**28.**

27.

EN 1993-1-12:2007

Design of steel structures - Part 1-12

*General - High strength steels*

**29.**

28.

EN 1993-2:2006

Design of steel structures - Part 2

*Steel bridges*

**30.**

29.

EN 1993-3-1:2006

Design of steel structures - Part 3-1

*Towers, masts and chimneys - Towers and masts*

**31.**

30.

EN 1993-3-2:2006

Design of steel structures - Part 3-2

*Towers, masts and chimneys - Chimneys*

**32.**

31.

EN 1993-4-1:2007

Design of steel structures - Part 4-1

*Silos*

**33.**

32.

EN 1993-4-2:2007

Design of steel structures - Part 4-2

*Tanks*

**34.**

33.

EN 1993-4-3:2007

Design of steel structures - Part 4-3

*Pipelines*

**35.**

34.

EN 1993-5:2007

Design of steel structures - Part 5

*Piling*

**36.**

35.

EN 1993-6:2007

Design of steel structures - Part 6

*Crane supporting structures*



## **2.5 Eurocode 4 - Bemessung und Konstruktion von Verbundtragwerken aus Stahl und Beton [EN 1994](#)**

**37.**

36.

EN 1994-1-1:2004

Design of composite steel and concrete structures - Part 1-1

*General rules and rules for buildings*

**38.**

37.

EN 1994-1-2:2005

Design of composite steel and concrete structures - Part 1-2

*General rules - Structural fire design*

**39.**

38.

EN 1994-2:2005

Design of composite steel and concrete structures - Part 2

*General rules and rules for bridges*

## **2.6 Eurocode 5 - Bemessung und Konstruktion von Holzbauten [EN 1995](#)**

### **40.**

39.

EN 1995-1-1:2004

Design of timber structures - Part 1-1

*General - Common rules and rules for buildings*

### **41.**

40.

EN 1995-1-2:2004

Design of timber structures - Part 1-2

*General - Structural fire design*

### **42.**

41.

EN 1995-2:2004

Design of timber structures - Part 2

*Bridges*

## **2.7 Eurocode 6 - Bemessung und Konstruktion von Mauerwerksbauten EN 1996**

**43.**

42.

EN 1996-1-1:2005

Design of masonry structures - Part 1-1

*General rules for reinforced and unreinforced masonry structures*

**44.**

43.

EN 1996-1-2:2005

Design of masonry structures - Part 1-2

*General rules - Structural fire design*

**45.**

44.

EN 1996-2:2006

Design of masonry structures - Part 2

*Design considerations, selection of materials and execution of masonry*

**46.**

45.

EN 1996-3:2006

Design of masonry structures - Part 3

*Simplified calculation methods for unreinforced masonry structures*

## **2.8 Eurocode 7 - Entwurf, Berechnung und Bemessung in der Geotechnik EN 1997**

**47.**

46.

EN 1997-1:2004

Geotechnical design - Part 1

*General rules*

**48.**

47.

EN 1997-2:2007

Geotechnical design - Part 2

*Ground investigation and testing*

## **2.9 Eurocode 8 - Auslegung von Bauwerken gegen Erdbeben EN 1998**

### **49.**

48.

EN 1998-1:2004

Design of structures for earthquake resistance - Part 1

*General rules, seismic actions and rules for buildings*

### **50.**

49.

EN 1998-2:2005

Design of structures for earthquake resistance - Part 2

*Bridges*

### **51.**

50.

EN 1998-3:2005

Design of structures for earthquake resistance - Part 3

*Assessment and retrofitting of buildings*

### **52.**

51.

EN 1998-4:2006

Design of structures for earthquake resistance - Part 4

*Silos, tanks and pipelines*

### **53.**

52.

EN 1998-5:2004

Design of structures for earthquake resistance - Part 5

*Foundations, retaining structures and geotechnical aspects*

### **54.**

53.

EN 1998-6:2005

Design of structures for earthquake resistance - Part 6

*Towers, masts and chimneys*

## **2.10 Eurocode 9 - Berechnung und Bemessung von Aluminiumkonstruktionen EN 1999**

**55.**

54.

EN 1999-1-1:2007

Design of aluminium structures - Part 1-1

*General structural rules*

**56.**

55.

EN 1999-1-2:2007

Design of aluminium structures - Part 1-2

*Structural fire design*

**57.**

56.

EN 1999-1-3:2007

Design of aluminium structures - Part 1-3

*Structures susceptible to fatigue*

**58.**

57.

EN 1999-1-4:2007

Design of aluminium structures - Part 1-4

*Cold-formed structural sheeting*

**59.**

58.

EN 1999-1-5:2007

Design of aluminium structures - Part 1-5

*Shell structures*

L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>