

DIN EN 1993-1-8/NA

ICS 91.010.30; 91.080.13

Supersedes
DIN EN 1993-1-8/NA:2010-12

**National Annex –
Nationally determined parameters –
Eurocode 3: Design of steel structures – Part 1-8: Design of joints,
English translation of DIN EN 1993-1-8/NA:2020-11**

Nationaler Anhang –
National festgelegte Parameter –
Eurocode 3: Bemessung und Konstruktion von Stahlbauten – Teil 1-8: Bemessung von
Anschlüssen,
Englische Übersetzung von DIN EN 1993-1-8/NA:2020-11

Annexe Nationale –
Paramètres déterminés au plan national –
Eurocode 3: Calcul des structures en acier – Partie 1-8: Calcul des assemblages,
Traduction anglaise de DIN EN 1993-1-8/NA:2020-11

Document comprises 18 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

Contents

	Page
Foreword	4
NA.1 Scope	5
NA.2 National provisions for the application of DIN EN 1993-1-8:2010-12	5
NA.2.1 General	5
NA.2.2 National provisions	6
NCI re 1.2 Normative references	6
NDP re 1.2.6 (Reference standard group 6: Rivets) Note	6
NDP re 2.2(2) Note	6
NCI re 3.1.1 Galvanized bolts	6
NDP re 3.1.1(3) Note	7
NDP re 3.4.2(1) Note	7
NCI re 3.5 Bolted connections with components with internal threads and components with external threads	7
NCI re 3.13.1 Connections made with pins — General	8
NCI re 4.5.2 Limit value for effective throat thicknesses	8
NCI re 4.5.3.2(6)	8
NDP re 5.2.1(2) Note	8
NCI re 6.2.7.1(13) and 6.2.7.1(14) Contact splices and compression force transfer	8
NDP re 6.2.7.2(9) Note	9
NCI Contact splices and compression force transfer	9
NCI Butt jointing of parts of cross section differing in thickness	10
NCI Welding of added flange plates at their ends	11
NCI Joints between flange plates	11
Annex NA.A (normative) Tightening methods supplementing those described in DIN EN 1090-2	13
Annex NA.B (normative) Castings, forgings and components made of steels for quenching and tempering	14
NA.B.1 Materials	14
NA.B.2 Requirements	14
NA.B.3 Characteristic values	15
NA.B.4 Welds	16
NA.B.5 Bolted connections	17
Bibliography	18

Figures

Figure NA.1 — Possible designs of contact splices (a) partial contact, b) and c) full contact)	9
Figure NA.2 — Permissible tolerances, $\varphi \leq 1/500$, $e \leq 2$ mm	9
Figure NA.3 — Examples of bevelling of edges when butt jointing parts of cross section differing in thickness	11

Figure NA.4 — Pre-connecting of flange plates	11
Figure NA.5 — Preparation of a butt joint between superposed flange plates (examples).....	12

Tables

Table NA.1 — Characteristic strength values of threaded stud materials.....	7
Table NA.B.1 — Requirements regarding the internal and external condition of components made from cast steel and spheroidal graphite cast iron, subjected to predominately static loading	15
Table NA.B.2 — Characteristic values for cast steel and iron	16
Table NA.B.3 — Correlation factor β_w for fillet welds	17