



SLOVENSKI STANDARD
SIST EN 1092-1:2018/oprA1:2022

01-december-2022

Prirobnice in prirobnični spoji - Okrogle prirobnice za cevi, ventile, fitinge in pribor z oznako PN - 1. del: Jeklene prirobnice - Dopolnilo A1

Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges

Flansche und ihre Verbindungen - Runde Flansche für Rohre, Armaturen, Formstücke und Zubehörteile, nach PN bezeichnet - Teil 1: Stahlflansche

Brides et leurs assemblages - Brides circulaires pour tubes, appareils de robinetterie, raccords et accessoires, désignées PN - Partie 1: Brides en acier

Ta slovenski standard je istoveten z: EN 1092-1:2018/prA1

ICS:

23.040.60 Prirobnice, oglavki in spojni elementi Flanges, couplings and joints

SIST EN 1092-1:2018/oprA1:2022 en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 1092-1:2018
prA1

December 2022

ICS

English Version

Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges

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This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 74.

This draft amendment A1, if approved, will modify the European Standard EN 1092-1:2018. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 1092-1:2018/prA1:2022) has been prepared by Technical Committee CEN/TC 74 “Flanges and their joints”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

In comparison with the previous edition, the following technical modifications have been made:

- Editorial modifications
- Modification and update the clause “Normative references”
- Modifications to Table 7 “Synoptic table”
- Modifications on some figures
- Modifications to Annex C “Masses of flanges”
- Modifications to Annex D “Table D.1”
- Modifications to Annex G “G.3.1 General”
- Modifications to Annex I “Table I.3”

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of EN 1092-1:2018.

EN 1092-1:2018/prA1:2022 (E)**1 Modifications to European foreword**

Change d) to the following:

“d) flanges Type 05 for PN 160 to PN 400 were implemented.”

2 Modifications to Normative references

Add the following:

EN 10222-4:2017+A1, *Steel forgings for pressure purposes - Part 4: Weldable fine grain steels with high proof strength*

EN 10216-2:2013+A1:2019, *Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties*

EN 10216-5:2021, *Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes*

EN 10217-3:2019, *Welded steel tubes for pressure purposes - Technical delivery conditions - Part 3: Electric welded and submerged arc welded alloy fine grain steel tubes with specified room, elevated and low temperature properties*

EN 10217-7:2021, *Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes*

EN 13445-3:2021, *Unfired pressure vessels - Part 3: Design*

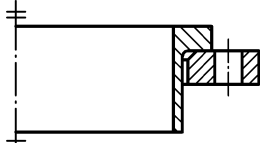
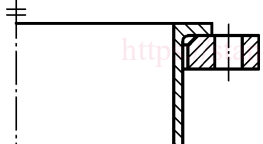
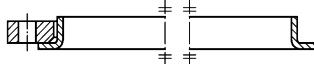

EN ISO 3452-1:2021, *Non-destructive testing - Penetrant testing - Part 1: General principles (ISO 3452-1:2021)*

EN ISO 6892-1:2019, *Metallic materials - Tensile testing - Part 1: Method of test at room temperature (ISO 6892-1:2019)*

EN ISO 11666:2018, *Non-destructive testing of welds - Ultrasonic testing - Acceptance levels (ISO 11666:2018)*

EN ISO 17640:2018, *Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment (ISO 17640:2018)*

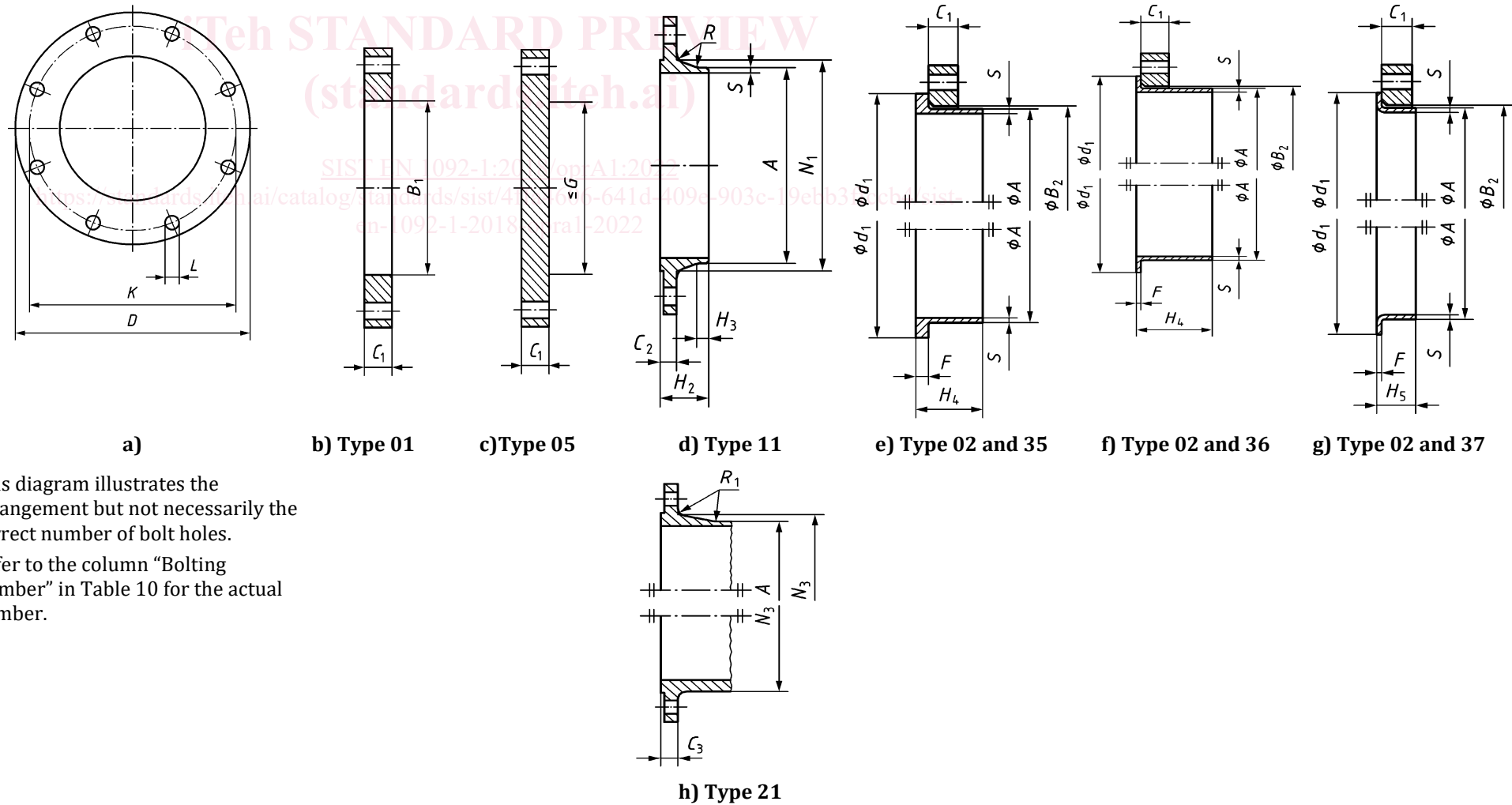
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Flange type or collar type	DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1 000	1 200	1 400	1 600	1 800	2 000	2 200	2 400	2 600	2 800	3 000	3 200	3 400	3 600	3 800	4 000																
	PN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1 000	1 200	1 400	1 600	1 800	2 000	2 200	2 400	2 600	2 800	3 000	3 200	3 400	3 600	3 800	4 000																
 <p>c) Types 02 and 35</p>	16	dimensions identical with PN 40							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																
	25	dimensions identical with PN 40											X	X	X	X	X	X	X	X																																				
	40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																					
 <p>d) Type 02 and 36</p>	2,5	dimensions identical with PN 6																																																						
	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																			
	10	dimensions identical with PN 16												X	X	X	X	X																																						
 <p>e) Type 02 and 33/37</p>	2,5	dimensions identical with PN 16										dimensions identical with PN 10																																												
	6	dimensions identical with PN 16										dimensions identical with PN 10																																												
	10	dimensions identical with PN 16										X	X	X																																										
	16	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																									
 <p>f) Type 04 and 34</p>	10	dimensions identical with PN 40					dimensions identical with PN 16					X	X	X	X	X	X	X		X																																				
	16	dimensions identical with PN 40					X	X	X	X	X	X	X	X	X	X	X	X	X	X		X																																		
	25	dimensions identical with PN 40												X	X	X	X	X	X	X		X																																		
	40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																					
	63																																																							
	100																																																							

EN 1092-1:2018/prA1:2022 (E)

4 Modifications to Figure 5

Replace Figure 5:



This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

Refer to the column "Bolting Number" in Table 10 for the actual number.

NOTE 1 Dimension N_1 is measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimension G_{\max} , refer to NOTE 1 of 5.6.1.

Figure 5 — Dimensions of PN 2,5 flanges