



SLOVENSKI STANDARD
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Prirobnice in prirobnični spoji - Okrogle prirobnice za cevi, ventile, fitinge in dodatke z oznako PN - 1. del: Jeklene prirobnice - Dopnilo 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 1092-1:2007/prA1

ICS:

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

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EUROPEAN STANDARD
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English Version

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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 1092-1:2007. 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.

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 1092-1:2007/prA1:2010) 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.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

EN 1092-1:2007/prA1:2010 (E)**1 Changes to Introduction ix)**

Replace "...neck thickness..." in first line by "...wall thickness..."

2 Changes to 4.2 k)

Replace k) and material and material standard (if necessary); by k) material and material standard (if necessary);

3 Changes to 4.2 Example 1

Replace "neck thickness" by "wall thickness"

4 Changes to 5.1.1

Replace "Note 1 The materials given in Table 9 (see also Annex D) are tabulated in groups." by "Note 1 The materials given in Table 9 (see also Annex D) are tabulated in material groups contain materials of similar chemical/mechanical properties and corrosion resistance in order to facilitate an equivalent application of materials in a group depending on pressure, temperature and fluid."

5 Changes to 5.12 Table 1

Replace "yes" by "no" at Type 33 in 1., 3., 4., 5. and 6. Column

Replace "yes" by "no" at Type 37 in 1. and 5. column

Add to footnote ^b "If using cutted strips for manufacturing, the thought thickness direction of the strip for Typ 11 and 34 has to be perpendicular to the flange centerline, for Type 01, 02, 04 and 32 in the direction of the flange centerline"

6 Changes to 5.6.1

Replace "neck thickness" by "wall thickness" in first break

7 Changes to 5.6.6

Delete Type 36 and 37 in first sentence

8 Changes to 5.7.2 Table 2

Replace "radius of tool nose" in the headline to "radius of round nosed tool" as in 5.7.2.2

9 Changes to 5.7.3

Replace „Flanges type 05 up to PN 40 and collars (except types 33, 36 and 37) shall have type A facing, other flanges shall have type B₁ facings; unless type B₂ facing is agreed between the purchaser and the supplier."

by “If not otherwise agreed between the purchaser and the supplier type 01 and type 05 up to PN 40 and collars (except types 33, 36 and 37) shall have type A facing, other flanges shall have standard facing type B₁ for all PN numbers.”

10 Changes to 5.8 Table 3

Add unit μm 4 times in headline

Add superscript ^a to surface finish of Type 33

11 Changes to 5.10.1 e) and g)

e) Replace “...for identical dimensions ...” by “...by identical dimensions...”

g) Delete “for EN Materials-“

12 Changes to 5.10.2 v)

Replace “cast number and/or suitable identification and/or identification number for the traceability” by “heat number of melt and/or suitable identification, such as code number, for the traceability”

13 Changes to 5.12.2 d) and e)

Replace “...are subjected...” by “...shall subjected...”

14 Changes to Table 7

Add X at Type 01 in field of DN 50 PN 63

Replace at Type 02 and 36 and Type 02 and 33/37 in field of PN 2,5 and PN 6 “dimension identical with PN 10” by “use only for this flange and collar combination”

Add at Type 02 and 35 “dimensions identical with PN 40” in field of PN 25 from DN 50 up to DN 125

Delete X at Type 21 in field PN 25 from DN 1200 up to DN 2000

Delete X at Type 21 in field PN 63 from DN 500 up to DN 1200

15 Changes to Figure 4

Add in drawing of Type D: Groove a continuous line above the groove

16 Changes to Table 8

Delete dimensions for DN 20 and DN 32 for PN 160, PN 250, PN 320 and PN 400

Dimension d_1 for PN 250 DN 300 = 410

EN 1092-1:2007/prA1:2010 (E)**17 Changes to Table 9**

Replace X12N5 by X12Ni5

Delete 1.4539 from forgings

Replace X11CrMo5-1 by X11CrMo5+NT1

18 Changes to Table 10 –17

Replace term G_{max} "Diameter of shoulder" to "Center portion" in all Tables

19 Changes to Table 10

Add new superscript/footnote at Type 21 in column "Outside diameter of neck" ^b " For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter"

Delete at Type 05 G G_{max} values from DN 1400 to DN 2000

20 Changes to Table 12

Add new superscript/footnote d at DN 65 in column "Bolting/Number" ^d According to EN 1092-2 (Cast iron flanges) and EN 1092-3 (Copper alloy flanges), the flanges in this DN and PN may be supplied with 4 holes. Where steel flanges are required with 4 holes, these may be supplied by agreement between flange manufacturer and purchaser.

Replace Dimension F Type 37 at DN 200 "4" to "5"

Add at Type 34 in column "Wall thickness" at DN 600 "8,0"

21 Changes to Table 13

Replace in column "Bore diameters" B_1 at DN 350 "359,0" by "359,5"

22 Changes to Table 14

Replace in column "Length" H_4 at DN 600 "115" by "125"

Replace in column "Bore diameters" B_1 at DN 1000 "-" by "b"

23 Changes to Table 15

Add in column "Outside diameter of neck A" Type "35"

24 Changes to Table 22

Dimension	Flange Type	Size	Tolerance mm
Neck diameter N1	11 (machined spot facing)	N1 ≤ 120	0 -1,0
		N1 > 120 ≤ 400	0 -1,2
		N1 > 400 ≤ 1000	+1,6 0
		N1 > 1000 ≤ 2000	2,5 0
		N1 > 2000	+4,0 0
	11 (un-machined spot facing)	N1 ≤ 120	0 -1,0
		N1 > 120 ≤ 400	+0 -2,0
		N1 > 400 ≤ 1000	+4,0 0
		N1 > 1000 ≤ 2000	+6,0 0
		N1 > 2000	+8,0 0
Neck diameter N ₂ , N ₃	21, 34 (un-machined spot facing)	≤ DN 50	0 -2,0
		> DN 50 ≤ DN 150	0 -4,0
		> DN 150 ≤ DN 300	0 -6,0
		> DN 300 ≤ DN 600	0 -8,0
		> DN 600 ≤ DN 4000	0 -10,0
	21, 34 (machined spot facing)	≤ DN 50	+1,0 0
		> DN 50 ≤ DN 150	+1,5 0
		> DN 150 ≤ DN 300	+2,0 0
		> DN 300 ≤ DN 600	+2,5 0
		> DN 600 ≤ DN 4000	+3,0 0
	12, 13	≤ DN 50	+1,0 0
		> DN 50 ≤ DN 150	-2,0 0
		> DN 150 ≤ DN 300	+4,0 0
		> DN 300 ≤ DN 600	+8,0 0