



**SLOVENSKI STANDARD**  
**SIST EN 295-1:1996/A1:1998**  
**01-december-1998**

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**Keramične cevi, fazonski kosi in spoji za odvod odpadne vode in kanalizacijo - 1. del: Zahteve**

Vitrified clay pipes and fittings and pipe joints for drains and sewers - Part 1: Requirements

Steinzeugrohre und Formstücke sowie Rohrverbindungen für Abwasserleitungen und -kanäle - Teil 1: Anforderungen

Tuyaux et accessoires en gres et assemblages de tuyaux pour les réseaux de branchement et d'assainissement - Partie 1: Exigences

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**Ta slovenski standard je istoveten z: EN 295-1:1991/A1:1996**

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**ICS:**

23.040.50	Cevi in fitingi iz drugih materialov	Pipes and fittings of other materials
93.030	Zunanji sistemi za odpadno vodo	External sewage systems

**SIST EN 295-1:1996/A1:1998** en

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SIST EN 295-1:1996/A1:1998

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EUROPEAN STANDARD

EN 295-1:1991/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1996

ICS 23.040.30; 23.040.50

Descriptors: water pipelines, sewage, pipes, tubes, pipe fittings, sandstone products, specifications, joining, dimensions, dimensional tolerances, marking

English version

## Vitrified clay pipes and fittings and pipe joints for drains and sewers - Part 1: Requirements

Tuyaux et accessoires en grès et assemblages de tuyaux pour les réseaux de branchement et d'assainissement - Partie 1: Exigences

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This amendment 1 modifies the European Standard EN 295-1:1991. This amendment was approved by CEN on 1996-02-23. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

# CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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## Foreword

This Amendment EN 295-1:1991/A1:1996 to the EN 295-1:1991 has been prepared by Technical Committee CEN/TC 165 "Waste water engineering", the secretariat of which is held by DIN.

The draft European Standard contains changes and additions to Tables 10 and 11 of EN 295-1 : 1991.

CEN members will decide whether the complete or corrected Tables 10 and 11 will be published separately from the original version of EN 295-1 : 1991 as an amendment or the changes will be incorporated in a revised publication of the standard. It will be up to the CEN members to decide which option to take. These options are allowed under Clause M.3 of the CEN internal regulations Part 3.

This Amendment to the European Standard EN 295-1:1991 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 1996, and conflicting national standards shall be withdrawn at the latest by October 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this Amendment: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Amendment

Tables 10 and 11 of EN 295-1 : 1991 shall be replaced by the following:

Table 10: Dimensions and tolerances for socket controlled jointing systems:

DN	Class Number	FN kN/m	System A		System B		System C		System D	
			d <sub>4</sub> *) mm	± mm	d <sub>4</sub> *) mm	± mm	d <sub>4</sub> *) mm	± mm	d <sub>4</sub> *) mm	± mm
100	-	28							146,8	0,5
150	-	28					197,0	0,5	204,5	0,5
150	-	34					202,0	0,5	212,5	0,5
150	-	(40)	185,8	0,2	195,0	0,5	208,0	0,5		
200	120	24								
200	160	32			250,0	0,5	260,0	0,5	265,0	0,5
200	200	40	244,5	0,2	252,0	0,5	269,0	0,5	269,0	0,5
200	(240)	48	248,5	0,2	254,0	0,5	275,0	0,5		
200	(320)	64					284,5	0,5		
225	120	28								
225	160	36	276,0	0,2			300,0	0,5	294,6	0,5
225	200	45	281,0	0,2					306,0	0,5
250	120	30								
250	160	40	306,8	0,2	309,0	0,5	317,5	0,5	331,3	0,6
250	200	50	313,0	0,2	313,0	0,5	328,0	0,5	336,5	0,6
250	(240)	60	319,0	0,2	319,0	0,5	341,5	0,5		
300	120	36					375,5	0,5		
300	160	48	367,7	0,25			371,5	0,5	385,8	0,6
300	200	60	373,7	0,25			390,0	0,5	409,8	0,6
300	(240)	72					398,5	0,5		
350	120	42					431,5	0,5	443,0	0,7
350	160	56					433,5	0,5	455,0	0,7
350	200	70					459,0	0,5	474,3	0,7
400	95	38								
400	120	48					483,5	0,5		
400	160	64					507,5	0,5	521,0	0,75
400	(200)	80					515,5	0,5	545,0	0,75
400	(240)	96					523,5	0,5		
450	95	43							572,0	0,75
450	120	54					547,0	0,5	583,1	0,75
450	160	72					579,0	0,5	600,0	0,75
500	95	48							639,0	0,5
500	120	60					609,0	0,5	651,5	0,5
500	160	80					605,0	0,5	662,3	0,5
600	L	48							637,0	0,5
600	95	57					697,0	0,5	739,8	0,5
600	120	72					720,0	0,5	751,0	0,5
600	(160)	96					737,5	0,5		
700	L	60							758,0	0,5
700	95	67					826,5	0,5	842,0	0,6
700	120	84					840,0	0,5	854,4	0,6
800	L	60							871,0	0,5
800	95	76					932,0	0,5	958,6	0,7
800	120	96					950,0	0,5	967,6	0,7
1000	L	60							976,0	0,5
1000	95	95					1152,5	0,5	1179,3	0,8
1000	(120)	120					1203,0	0,5	1195,5	0,8
1200	L	60							1380,0	0,5

\*) d<sub>4</sub> is the internal diameter of socket or socket fairingNo value of d<sub>4</sub> when taken to an extreme of tolerance may approach within 1,0 mm of the range for any other system specified in this table

Table 11: Dimensions and tolerances for spigot controlled jointing system

DN	Class Number	FN kN/m	System E		System F		System G		System H	
			$d_3$ *) mm	$\pm$ mm	$d_3$ *) mm	$\pm$ mm	$d_3$ *) mm	$\pm$ mm	$d_3$ *) mm	$\pm$ mm
100	-	22								
100	-	28			128	1,5	131,40	2,00	122,0	1,5
100	-	34			131	1,5	139,10	2,00		
100	-	(40)	122	1,5	138	2,0				
150	-	22								
150	-	28			182	2,0	187,75	2,75	178,0	1,5
150	-	34			186	2,0	196,20	3,50		
150	-	(40)	178	1,5	194	2,0				
200	120	24								
200	160	32	231	2,0	242	3,0	244,90	4,00		
200	200	40	234	2,0	248	3,0	252,90	4,00		
200	(240)	48	237	2,0						
225	120	28								
225	160	36	259	2,0	271	3,0	278,00	4,00		
225	200	45	263	2,0	281	3,0	284,00	4,00		
225	(240)	54	266	2,0						
250	120	30					310,00	3,50		
250	160	40	287	3,0	299	3,0	320,00	3,50		
250	200	50	292	3,0			330,00	3,50		
250	240	60	296	3,0						
300	120	36					374,00	4,00		
300	160	48	348	4,0	355	4,0	380,00	4,00		
300	200	60					398,00	4,00		
300	240	72	357	4,0						
400	95	38					486,00	5,00		
400	120	48	459	5,0			498,00	5,00		
400	160	64	469	5,0						

\*)  $d_3$  is the mean value of the spigot outside diameter  
(i.e. circumference  $\div \pi$ )