



European Steel Tube Association
Association Européenne du Tube d Acier

A large, faint, light blue map of Europe serves as a background for the central text.

EUROPEAN (EN) STANDARDS

A large, bold, blue number '1' is positioned behind the 'Part' text.

Part

SEAMLESS CARBON & ALLOY STEEL TUBE

With the support of



(European Committee for Standardization)

The Requirement

ONE MARKET - ONE STANDARD

- A common and unified market ensuring Fair Trade shall be free of technical barriers.
- This concept gives impetus to implement European Standards (EN).

The Basis

EUROPEAN STANDARDS AND EUROPEAN DIRECTIVES

- European Standards for tubes cover various applications :
 - Mechanical
 - Structural
 - Piping and Pressure
 - Gas Pipe Line
 - General
- Two applications are directly concerned by European Directives:
 - Piping and Pressure: Pressure Equipment Directive (PED).
 - Structural: Construction Products Directive (CPD).
- The related EN give presumption of conformity to the requirements of these Directives.
- For PED tubes are “base materials” to which “CE” marking does not apply.
 For CPD tubes and hollow sections are “finished products” to which “CE” marking applies.

The Way

MAKING EUROPEAN STANDARDS

- The European Commission has mandated CEN (European Committee for Standardization) to produce European Standards.
- Committees composed of technical experts have developed and will maintain these standards.
- EN represent the accumulated experience of use of former national standards.
- EN replace the corresponding national standards.

	(Expected) Issued
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EN 10294-1 - Hollow bars	(2002 3 ^o Quarter)
EN 10297-1 - Mechanical and General Engineering	(2002 2 ^o Quarter)
EN 10305-1 - Precision Applications	(2002 2 ^o Quarter)
EN 10305-4 - Hydraulic and Pneumatic Power Systems	(2002 2 ^o Quarter)

EN 10210-1 - Hollow Sections - Delivery requirements	1994 Note: under revision
EN 10210-2 - Hollow Sections - Dimensions	1997 Note: under revision
EN 10225 - Offshore Structures	2001

EN 10216-1 - Room Temperature - Type TR2	(2002 2 ^o Quarter)
EN 10216-2: Elevated Temperature	(2002 2 ^o Quarter)
EN 10216-3: Fine Grain	(2002 2 ^o Quarter)
EN 10216-4: Low Temperature	(2002 2 ^o Quarter)

EN 10208-2: Gas Transportation	1997
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EN 10216-1 - Fluid Transportation - Type TR1	(2002 2 ^o Quarter)
EN 10224: Conveyance (Aqueous liquids)	(2002 2 ^o Quarter)
EN 10255: Service Pipe and House Installation	(2002 4 ^o Quarter)

Note: (p) The national standard is replaced by several

REPLACED NATIONAL STANDARDS

BS	DIN	NF	UNE	UNI	SIS	Corresponding European Directive	Personal Notes
Mechanical Purposes							
6258 (p)	-	A 49-312	-	7730:77	SMS 689		
6323-1 (p) 6323-3 (p)	1629 (p) 1630 (p)	A 49-311	19053 19011	6403:86 7729:84	SMS 887		
6323-3 (p)	2391	A 49-310 A 49-323 A 49-326 A 49-327	-	6403:86 7945:79	SMS 1895		
7416	-	A 49-330	-	-	SMS 2353		
Structural Purposes							
4360 (p)	17120 17121 (p) 17123 (p) 17124 (p) 17125 (p)	A 49-501 (p)	-	7806:79	SS 14 13 12 SS 14 14 12 SS 14 21 34 SS 14 21 32	CPD (CE marking will only apply to the next edition)	
4848-2	59410	A 49-501 (p)	-	7807:83 7808:83 7809:83	SS 14 13 12 SS 14 14 12 SS 14 21 32 SS 14 21 34		
7191	-	-	-	-	-		
Piping & Pressure Purposes							
3059-1 (p) 3601 (p)	1629 (p) 1630 (p)	A 49-111 A 49-112	19053 19011	663:68 (p) 7088:72 (p)	SS 14 12 32 05 (p)	PED	
3059-2 (p) 3602-1 (p) 3604-1 (p) 3606 (p)	17175 17176	A 49-210 A 49-211 A 49-213 A 49-215 A 49-219	19044	5462:64	SS 14 13 30 05	PED	
3603 (p) 3600 series (p)	17179	-	-	-	-	PED	
3603 (p) 3600 series (p)	17173	A 49-230	-	5949:67	-	PED	
Gas Pipe Line							
3601 (p)	17172	A 49-411	-	-	-		
General Purposes							
3059-1 (p) 3601 (p)	1629 (p)	A 49-111 A 49-112	19053 19011	663:68 (p) 7088:72 (p)	SS 14 12 32 05		
3601 (p) 534 (p)	1626 (p) 1629 (p)	-	-	6363:84	SMS 326 SMS 327	CPD	
1387 (p)	2440 2441	A 49-115	19040 19041 19042 19043 19046	8863:87	SMS 326 SMS 327	CPD	

The Benefit

ADVANTAGES OF EN

- EN provide a unique technical reference for manufacturers, distributors, users and regulators. Valid in all EU and EFTA countries.
- Reduction of the number of standards.
- Compliance with EU Directives through dedicated standards.
- Clear definition of products.
- Better product availability.
- More safety as product requalification (change of field of application) is not permitted.
- Easy comparison with corresponding American or Japanese standards/products.

Implementation

MAKE USE OF EN

- Tube manufacturers, distributors, users and regulators have been all involved in developing the new standards: now comes the time for their implementation.
- From now on, you may switch to available EN when enquiring or ordering your next seamless tube requirements.
- Tube manufacturers have been provided with detailed information of the requirements laid out on pages 2 & 3 between the old and the new standards.
- Should you require any further information please telephone, fax or e-mail to the address or numbers below.



**European Steel Tube Association
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130, rue de Sully
92100 BOULOGNE - BILLANCOURT - FRANCE
Tel : + 33 (0) 1 41 31 56 40 - Fax : + 33 (0) 1 41 31 00 24
e-mail : esta.cl@wanadoo.fr

Dalmine S.p.A.

PIAZZA CADUTI 6 LUGLIO 1944, 1
24044 DALMINE (BG) ITALY
Fax : 0039 / 035 / 560 3919
E-mail : Europeanstandards@dalmine.it