



Steel Products



Tel / Fax: +4 0310699754
Mobile: +4 0773997780



comercial@steelpipes.ro
office@ample-shop.com



08:00 – 17:00
(GMT/UTC +3 Hours)



Steel Gate

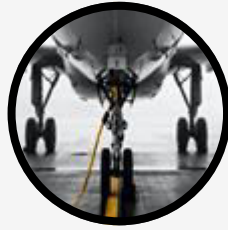
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Nr.certificat: 7099
ISO 9001: 2015

Import & Export



Steel Products

- ✓ Seamless and Welded Stainless Steel Pipe
- ✓ Galvanized ERW Pipe EN10255 HDG
- ✓ Rounded Welded Pipe Construction
- ✓ Welded Pipes SSAW, LSAW, HFW
- ✓ Seamless Pipe According to EN
- ✓ Carbon Seamless Pipe
- ✓ Oil&Gas Pipelines
- ✓ Welding Fittings
- ✓ ERW Pipes
- ✓ Flanges



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www.steelpipes.ro
www.ample-shop.com
comercial@steelpipes.ro
office@ample-shop.com



A Few Words About Our Company

Our company specialized in metallurgical products has developed a vast international network of industrial partners in the range of carbon and stainless steel products as well as related products.

Our experience in the field of carbon and stainless steel materials, in-depth knowledge of the market and import-export techniques, allows us to help and work with your company. We can define your requirements and deliver a product that fully meets the specifications and terms agreed, at the best market price. Based on our advices and customers needs, we will provide the best solutions, optimized for various demands. We are looking forward to build long-term relationships with reliable and adaptable suppliers, or clients.

Grow Your Business Through Quality.

We provide products such as:

- Seamless pipe according to EN 10216-2, alloyed and non-alloyed steel
- Seamless pipe according to ASTM SA178, SA209, SA213-T2
- Seamless pipe according to EN 10216-1
- Seamless pipe according to ISO 3183
- Welded pipe SAW , LSAW , ERW according to ISO 3183 API 5L , EN 10219-10217-10255
- Stainless or carbon steel (elbows, tees, reducers) according to DIN 2605 EN 10253 ASTM
- Flanges, carbon or stainless steel, blind and neck according to DIN, ASTM

Based on solid requests that mention the quantity and quality of the required materials, we will provide an offer. Prices vary depending on existing stocks, new production and the quantity ordered. Thanks to your cordiality and trust, we guarantee our full involvement. We are waiting for your requests at the addresses mentioned below:

- comercial@steelpipes.ro
- office@ample-shop.com
- Mobile: +4 0773997780
- Phone / Fax: +4 0310699754

Standards comparison

Seamless steel pipes for pressure purposes DIN EN 10216

EN standard	Description / Area of application	Replacement for DIN
10216-1	Non-alloy steel tubes w ith specified room temperature properties	1629 / 1630
10216-2	Non-alloy and alloy steel tubes w ith specified elevated temperature properties	17175
10216-3	Alloy fine grain steel tubes	17179
10216-4	Non-alloy and alloy steel tubes w ith specified low temperature properties	17173
10216-5	Stainless steel tubes	17458 / 17459

Welded steel pipes for pressure purposes DIN EN 10217

EN standard	Description / Area of application	Replacement for DIN
10217-1	Non-alloy steel tubes w ith specified room temperature properties	1626 / 1628
10217-2	Electric w elded non-alloy and alloy steel tubes w ith specified elevated temperature properties	17177
10217-5	Submerged arc w elded non-alloy and alloy steel tubes w ith specified elevated temperature properties	
10217-3	Alloy fine grain steel tubes	17178
10217-4	Electric w elded non-alloy steel tubes w ith specified low temperature properties	17174
10217-6	Submerged arc w elded non-alloy steel tubes w ith specified low temperature properties	17174
10217-7	Stainless steel tubes	17457

Pipelines for combustible fluids DIN EN 10208/ISO 3183

EN standard	Description / Area of application	Replacement for DIN
10208-1	Requirement class A (to 16 bar operating pressure)	2470-1
10208-2	Requirement class B (over 16 bar operating pressure)	2470-2/ 17172

Petroleum and natural gas industries / Pipeline for transportation systems

EN standard	Description / Area of application	Replacement for DIN EN
ISO 3183	Petroleum and natural gas industries / steel pipes for pipeline transportation systems	10208-1 / -2

Gas infrastructure / Pipelines for maximum operating pressure \leq 16 bar

EN standard	Description / Area of application	Replacement for DIN
12007-1	General functional requirements	2470-1
12007-2	Specific functional requirements for polyethylene (MOP) up to and including 10 bar	
12007-3	Specific functional requirements for steel	
12007-4	Specific functional requirements for renovation	
12007-5	Service lines – specific functional requirements	

Steel pipes for precision applications DIN EN 10305

EN standard	Description / Area of application	Replacement for DIN
10305-1	Seamless cold drawn tubes	2391-1 / -2
10305-2	Welded cold drawn tubes	2393-1 / -2
10305-3	Welded cold sized tubes	2394-1 / -2
10305-4	Seamless cold drawn tubes for hydraulic and pneumatic power systems	2391-1 / -2 in connection with DIN 1630
10305-5	Welded and cold sized square and rectangular tubes	2395-1 / -2
10305-6	Welded cold drawn tubes for hydraulic and pneumatic power systems	

Non-alloy steel pipes suitable for welding and threading

EN standard	Description / Area of application	Replacement for DIN
10255	Non-alloy steel pipes suitable for welding and threading	2440 / 2441

Hot finished structural hollow sections DIN EN 10210

EN standard	Description / Area of application	Replacement for DIN
10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels / Technical delivery conditions	17120 –17125
10210-2	Hot finished structural hollow sections of non-alloy and fine grain steels / Dimensions	59410

Colded formed structural hollow sections DIN EN 10219

EN standard	Description / Area of application	Replacement for DIN
10219-1	Cold formed structural hollow sections of non-alloy and fine grain steels / Technical delivery conditions	17119 / -20 / -23
10219-2	Cold formed structural hollow sections of non-alloy and fine grain steels / Dimensions	59411

Welded steel tubes for mechanical and general engineering purposes DIN EN 10296

EN standard	Description / Area of application	Replacement for DIN
10296-1	Welded circular steel tubes for mechanical and general engineering purposes / Non-alloy and alloy steels	1626 / 17123
10296-2	Welded circular steel tubes for mechanical and general engineering purposes / Stainless steels	17455

Seamless steel tubes for mechanical and general engineering purposes DIN EN 10297

EN standard	Description / Area of application	Replacement for DIN
10297-1	Seamless circular steel tubes for mechanical and general engineering purposes / Non-alloy and alloy steels	1629 / 17124
10297-2	Seamless circular steel tubes for mechanical and general engineering purposes / Stainless steels	17456

Seamless steel pipes for pressure purposes

Overview of pipes acc. to DIN EN 10216 in comparison to earlier DIN standards

Area of application	acc. to EN	acc. to DIN
Non-alloy steel tubes with specified room temperature properties	10216-1	1629 /1630
Non-alloy and alloy steel tubes	10216-2	17175
Alloy fine grain steel tubes with specified room temperature properties	10216-3	17179
Non-alloy and alloy steel tubes with specified low temperature properties	10216-4	17173
Stainless steel tubes	10216-5	17458 /17459

Part 1: Non-alloy steel tubes with specified room temperature properties

Area of application: acc. to rules and standards of DVGW, TR1, TR2 and AD 2000 Data Sheet W4 (only TR2 approved under PED)

Standards (formerly DIN)	Operating temperature /working pressure	Size range	EN materials (formerly DIN)	Notes
EN 10216-1 (DIN 1629)	to 300° C /to 160 bar	10,2– 711,0 mm	P235TR1 (St 37.0) P265TR1 (St 44.0)	TR1 without impact test
EN 10216-1 (DIN 1630)	to 300° C /unlimited		P235TR2 (St 37.4) P265TR2 (St 44.4)	TR2 impact test at 0° C (optional –10° C)

Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties

Area of application: Boiler construction, pipeline and plant engineering, pressure vessels and apparatus engineering

Standards (formerly DIN)	Test classes (operating temperature /working pressure)	Size range	EN materials (formerly DIN)	Notes
EN 10216-2 (DIN 17175)	Non-alloy tubes: TC1 /to 450° C /160 bar TC2 /to 450° C /unlimited Alloy tubes: TC2 /to 600° C /unlimited	10,2– 711,0 mm	P235GH (St 35.8) P265GH (St 45.8) 16Mo3 (15Mo3) 13CrMo4-5 (13CrMo44)	TC1 without US testing TC2 with US testing (generally with alloy steels)

Part 3: Alloy fine grain steel tubes

Area of application: Pressure vessel, apparatus, pipelines, general mechanical engineering and tool-building

Standards (formerly DIN)	Test classes	Size range	EN materials (formerly DIN)
EN 10216-3 (DIN 17179)	TC1 without US testing TC2 with US testing	10,2 – 711,0 mm	Basic quality P355N (SIE 355) P460N (SIE 460) Elevated temperature quality P355NH (WSIE 355) P460NH(WSIE 460) Low temperature quality P275NL1(TSIE 285) P355NL1(TSIE 355) P460NL1(TSIE 460) Special low temperature quality P275NL2(ESIE 285) P355NL2(ESIE 355) P460NL2(ESIE 460)

Part 4: Non-alloy and alloy steel tubes with specified low temperature properties

Area of application: Apparatus, pressure vessel, refrigeration system and general pipeline engineering

Standards (formerly DIN)	Test classes	Size range	EN materials (formerly DIN)	Official regulations
EN 10216-4 (DIN 17173)	Non-alloy tubes:	10,2–711,0 mm	P215NL (TTSt 35N)	AD 2000 Data Sheet W4 /W10
	TC1 without US testing		P255QL (TTSt 35V)	
	TC2 with US testing		12Ni14 (10Ni14)	
	Alloy tubes:		X12Ni5 (12Ni19)	
	general TC2			

Part 5: Stainless steel tubes

Area of application: Apparatus, pressure vessel, pipeline and plant engineering (transport of corrosive materials)

Standards (formerly DIN)	Test classes operating temperature	Size range	EN materials (comparable to ASTM A312)	AD 2000-W2 regulations		
EN 10216-5 (DIN 17458)	TC1 without US testing	6,0–610,0 mm	V2A-Series	1.4301 (TP 304)		
EN 10216-5 (DIN 17459)	TC2 with US testing Generally TC2 from 550° C operating temperature			1.4306 (TP 304L)	Internal tubes: AD 2000-W2 /TC1	
				1.4307 (TP 304L)	Line pipes: OD ≤ 42.4 mm and wall ≤ 3,6 mm:	
				1.4541 (TP 321)	AD 2000-W2 /TC1	
				V4A-Series	1.4401 (TP 316)	AD 2000-W2 /TC1
					1.4404 (TP 316L)	OD > 42.4 mm or wall > 3,6 mm:
					1.4571 (TP 316Ti)	AD 2000-W2 /TC2
				Super-Duplex	1.4410	Casing tubes for pressure vessels:
				Duplex	1.4462	AD 2000-W2 /TC2
					1.4539 (TP 904L)	

Welded steel pipes for pressure purposes

Overview of pipes acc. to DIN EN 10217 in comparison to earlier DIN standards

Conditions of use	acc. to EN	acc. to DIN
Non-alloy steel tubes with specified room temperature properties	10217-1	1626 / 1628
Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties	10217-2	17177
Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties	10217-5	
Alloy fine grain steel tubes	10217-3	17178
Electric welded non-alloy steel tubes with specified low temperature properties	10217-4	17174
Submerged arc welded non-alloy steel tubes with specified low temperature properties	10217-6	17174
Stainless steel tubes	10217-7	17457

Part 1: Non-alloy steel tubes with specified room temperature properties

Area of application: acc. to rules and standards of DVGW, TR1, TR2 and AD 2000 Data Sheet W4 (only TR2 approved under PED)

Standards (formerly DIN)	Operating temperature / working pressure	Size range	EN materials (formerly DIN)	Test scope
EN 10217-1 (DIN 1626)	to 300° C / to 160 bar	10,2 – 2.540 mm	P235TR1 (St 37.0) P265TR1 (St 44.0)	TR1 without impact test
EN 10217-1 (DIN 1628)	to 300° C / unlimited		P235TR2 (St 37.4) P265TR2 (St 44.4)	TR2 impact test at 0° C (optional –10° C)

Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties

Part 5: Submerged arc welded non-alloy and alloy steel pipes with specified high temperature properties

Area of application: Pressure vessel and plant engineering, pipeline construction, shipbuilding

Standards (formerly DIN)	Welding process	Size range	EN materials (formerly DIN)	Test scope
EN 10217-2 (DIN 17177)	Electric welded (HFW = high frequency welding)	10,2 – 508,0 mm	P235GH (St 37.8) P265GH (St 42.8)	TC1 without US testing TC2 with US testing
EN 10217-5	Submerged arc welded (SAW = submerged arc welded) SAWL longitudinal welded / SAWH spiral welded	406,4 – 2.540 mm	16Mo3 (15 Mo 3) 13CrMo4-5 (13 CrMo 4 4)	(generally with alloy steels)

Part 3: Alloy fine grain steel tubes

Area of application: Pressure vessels, apparatus and general mechanical engineering

Standards (formerly DIN)	Welding process	Size range	EN materials (formerly DIN)	Test scope	
EN 10217-3 (DIN 17178)	Electric welded (HFW = high frequency welding)	10,2 – 508,0 mm	Basic quality	P355N (StE 355) P460N (StE 460)	TC1 without US testing TC2 with US testing
	Submerged arc welded (SAW = submerged arc welded)	406,4 – 2.540 mm	Elevated temperature quality	P355NH (WSIE 355) P460NH (WSIE 460)	(generally with alloy steels)
	SAWL with longitudinal seam / SAWH with spiral seam		Low temperature quality	P275NL1 (TSIE 285) P355NL1 (TSIE 355) P460NL1 (TSIE 460)	
			Special low temperature quality	P275NL2 (ESIE 285) P355NL2 (ESIE 355) P460NL2 (ESIE 460)	

Part 4: Electric welded non-alloy steel tubes with specified low temperature properties

Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties

Area of application: Apparatus, pressure vessel, refrigeration system and general pipeline engineering

Standards (formerly DIN)	Welding process	Size range	EN materials (formerly DIN)	Test scope
EN 10217-4 (DIN 17174)	Electric welded (HFW = high frequency welding)	10,2 – 508,0 mm	P215NL1 (TTSt 35 N)	AD 2000 Data Sheet W4 / W10
EN 10217-6 (DIN 17174)	Submerged arc welded (SAW = submerged arc welded) SAWL with longitudinal seam / SAWH with spiral seam	406,4 – 2.540 mm	P265NL1	

Part 7: Stainless steel tubes

Area of application: Chemical system, pressure vessel and apparatus engineering, pipelines (transport of corrosive media), water and wastewater technology

Standards (formerly DIN)	Test classes / test scope per 100 pipes	Size range	EN materials (comparable to ASTM A312)	Delivery conditions		
EN 10217-7 (DIN 17457)	TC1 1 Tensile test / 1 Ring tension test	6,0 – 1.016 mm	V2A-Series	1.4301 (TP 304)	W1 = hot rolled strip, unannealed	
				1.4306 (TP 304L)	W2 = cold rolled, unannealed	
	TC2 2 Tensile tests / 1 Ring tension test		V4A-Series	1.4307 (TP 304L)	W1A / W2A = heat-treated, descaled	
				1.4541 (TP 321)	W1R / W2R = bright annealed	
				1.4401 (TP 316)		
				1.4404 (TP 316L)		
				1.4571 (TP 316Ti)		
				Super-Duplex	1.4410	
				Duplex	1.4462	
					1.4539 (TP 904L)	

Line pipes DIN EN ISO 3183 / DIN EN 10208

Brief overview and comparison

When DIN EN ISO 3183 came into force in March 2013, it replaced the previously valid standards DIN EN 10208-1 and -2 – line pipes for gas for combustible media.

This new standard is based on ISO 3183:2007 and API 5L. With this, the American USC system has been put on an equal footing alongside the international units (SI). With PSL 1 and PSL 2 the standard distinguishes between two specification levels. PSL 1 is considered as the standard specification level. PSL 2 stipulates additional binding

requirements on chemical compositions and mechanical properties. The standard has been amended by the special annex M which aligns the new standard to the key definitions of DIN EN 10208-2.

The steel grade L235 has been removed from both specification levels. Through the inclusion of special API steel grades and expansion of the strength ranges, today 11 (PSL 1) / 31 (PSL 2) steel grades are available. The spectrum ranges from 175 MPa to 485 MPa. By way of comparison: With DIN EN 10208, the range was 210 MPa to 360 MPa.

Operating area and requirements

DIN EN ISO 3183	DIN EN 10208
Replacement for basics acc. to EN 10208, ISO 3183 an API 5L Subdivided in PSL1 and 2 · PSL 1 (Product Specification Level) Standard class requirements. Admittance of further seven steel types. · PSL 2 (Product Specification Level) Additional requirements does apply to chemical configuration and mechanical performance. Admittance of eleven new steel types.	The standard subdivided in two requirement classes: · Requirement class A Application in low-pressure area (≤ 16 bar operating pressure) · Requirement class B Application in pipeline construction (≥ 16 bar operating pressure)

Order information

DIN EN ISO 3183 Regular information to be given in orders	DIN EN 10208 Obligatory information to be given in orders
Ordered quantity, PSL1 or PSL 2, type of pipe, advice to standard, steels-short names, outside diameter and wall thickness, Certification of Application of attachment, type of test certificate	Ordered quantity, type of pipe (seamless or welded), product form (pipe), outside diameter and wall thickness, manufactured length, Standard (EN 10208-1 /-2), steels-short names / material number, without or within impact test, type of test certificate

Further obligatory information

DIN EN ISO 3183 Regular order information	DIN EN 10208 Obligatory order information
· Chemical configuration for pipes with a wall thickness ≥ 25 mm · Limits of carbon equivalent to PSL 2-pipes consisting of L415N · Limits of carbon equivalent to PSL 2-seamless pipes with a wall thickness > 20 mm	· Chemical configuration of pipes with a wall thickness > 25 mm · Mechanical performance of pipes with a wall thickness > 25 mm · Requirements to notch impact test for pipes with a wall thickness > 25 mm
Optionally agreements: In total 59 options, e.g. PSL 2- pipes for natural gas transport in application for European Onshore area acc. to attachment M.	Optional agreements: In total 32 options, e.g. from 0° different test temperature to impact test

Comparable materials

In EN ISO 3183, the materials are specified without material numbers. Annex L of the standard includes the table L.1, which assigns the materials to the European material numbers according to DIN EN 10027-2. The material designations of DIN EN 10208 are listed in the normative annex M with only minor changes. The previous material numbers thus continue to apply unchanged.

Line pipes DIN EN ISO 3183

Seamless and welded

Operation area
PSL 1 Pipes with special requirements
PSL 2 Pipes to the European Onshore- gas pipeline /attachment M

Example for an order text
Seamless pipes Pipe, seamless, DIN EN ISO 3183, L290NE /1.0484, APZ DIN EN 10204 /3.2, TÜV 114,3 × 3,6 mm
Welded pipes Pipe, high frequency welded (HFW), DIN EN ISO 3183, L290NE /1.0484, APZ DIN EN 10204 /3.2, TÜV 114,3 × 3,6 mm

Manufacturing process

Standards	EN ISO 3183 / PSL 1			EN ISO 3183 / PSL 2	EN 10208-2
	L210	L245	L290-L485	L245-L555	
Seamless	S	•	•	•	•
Low frequency welded	LFW	•	•	•	
High frequency welded	HFW	•	•	•	•
Submerged arc welded	SAW	•	•	•	•
Combiniert welded	COW	•	•	•	•

Materials comparison (Extract)

Standard	Material Number	EN ISO 3183	EN 10208-2	API 5L	Notes	EN ISO 3183	EN 10208-2
DIN EN ISO 3183	1.0457	L245	L245	Gr.	Normalized	NE	NB
DIN EN 10208-2	1.0484	L290	L290	B	Quenched tempered (Seamless only)	QE	QB
API 5L	1.0582	L360	L360	X42	Thermo-mechanically rolled (welded only)	ME	MB
	1.8972	L415	L415	X60			

Size range
Seamless 10,3 to 711,0 mm
Welded 10,3 to 2.134 mm

Tolerance
Diameter/circularity acc. to attachment M /table M3
Wall thickness acc. to attachment M /table M4
 The regulations of EN ISO 3183 /annex M are largely in accordance with those of EN 10208-2. However, five tolerance ranges are now intended for the wall thickness of welded pipes (instead of 3).

Samples, scopes of testing and test certificates
Inspection certificate DIN EN 10204 /3.1 or 3.2
 The regulations of EN ISO 3183 /annex M are largely in accordance with those of EN 10208-2. Two tests are mandatory for the checkanalysis.

Marking/labeling
 Factory stamps, standard, outside diameter an wall thickness, type of steel, type of pipe S (seamless) or W (welded), purchaser sign and identity number. The material can optionally marked with a coat of paint.

PE coating

DIN	DIN EN
30670 PE coating	10285 3-layer-process
	10287 2-layer-process
	10288 Sinter process

Minimum coat thickness

Nominal diameter	Minimum coat thickness / mm	
	Standards (n)	Strengthened (v)
< DN 100	1,8	2,5
> DN 100 ≤ DN 250	2,0	2,7
> DN 250 ≤ DN 500	2,2	2,9
> DN 500 ≤ DN 800	2,5	3,2
> DN 800	3,0	3,7



Precision steel pipes DIN EN 10305

Precision steel pipes DIN EN 10305 Part 1: Seamless cold drawn tubes

Area of application: Automotive, mechanical engineering

Standards (formerly DIN)	State as delivered (previous designation)	Size range	EN materials (formerly DIN)	Notes
EN 10305-1 (DIN 2391-1 /-2)	+C Cold finished, hard (BK) +LC Cold finished, soft (BKW) +SR Cold finished and stress-relieved (BKS)	4,0 – 260 mm	E215 (St 30 Al) E235 (St 35) E355 (St 52)	· Precisely defined tolerances · Specified surface roughness
	+A Annealed (GBK) +N Normalised (NBK)			

Part 2: Welded cold drawn tubes

Area of application: Automotive, mechanical engineering

Standards (formerly DIN)	State as delivered (previous designation)	Size range	EN materials (formerly DIN)	Notes
EN 10305-2 (DIN 2393-1 /-2)	+C Cold finished, hard (BK) +LC Cold finished, soft (BKW) +SR Cold finished and stress-relieved (BKS)	4,0 – 150 mm	E195 (St 34-2) E235 (St 37-2) E275 (St 44-2) E355 (St 52-3)	· Precisely defined tolerances · Specified surface roughness
	+A Annealed (GBK) +N Normalised (NBK)			

Part 3: Welded cold sized tubes

Area of application: Automotive, mechanical and plant engineering

Standards (formerly DIN)	State as delivered (previous designation)	Size range	EN materials (formerly DIN)	Insert strip
EN 10305-3 (DIN 2394-1 /-2)	+CR1 Usually not heat-treated, but suitable for final annealing (BKM) +CR2 Heat treatment after welding, and sizing is not provided (BKM)	6,0 – 193,7	E155 E195 (St 34-2) E235 (St 37-2) E275 (St 44-2) E355 (St 52-3) Additional for +CR2:	S1 (black) S2 (pickled) S3 (cold rolled) S4 (coated)
	+A After welding and sizing the pipes are annealed (GBK) +N After welding and sizing the pipes are normalised (NBK)		E190, E220, E260, E320, E370, E420	

Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems

Area of application: Hydraulic and pneumatic power systems

Standards (formerly DIN)	Surface finish	Size range	EN materials (formerly DIN)	Notes
EN 10305-4 (DIN 2391-1 /-2 in connection with DIN 1630)	· Phosphate-treated (bonderised) · Galvanised – chromated: with Cr6: yellow/olive-green Cr6-free: white/blue	4,0 – 80,0	E215 E235 (St 37.4) E355 (St 52.4)	· Precisely defined tolerances · Specified surface roughness · Suitable for conveying pressurised fluids

Precisions steel pipes/ Pipes with threaded ends

Part 5: Welded and cold sized square and rectangular tubes

Area of application: Automotive, mechanical and plant engineering

Standards (formerly DIN)	State as delivered (previous designation)	Size range (H / B)	EN materials (formerly DIN)	Insert strip
EN 10305-5 (DIN 2395-1 /-2)	+CR1 Usually not heat-treated, but suitable for final annealing (BKM)	15 / 15 mm – 120 / 60 mm	E155 E195 (St 33 / S185) E235 (RSt 37-2 / S235JRG2)	S1 (black) S2 (pickled) S3 (cold rolled)
	+CR2 Heat treatment after welding and sizing not provided (BKM)		E275 E355 (St 52-3 / S355J2G3)	S4 (coated)
	+A After welding and sizing the pipes are annealed (GBK)		Additional for +CR2: E190, E220, E260, E320,	
	+N After welding and sizing the pipes are normalised (NBK)		E370, E420	

Non-alloy steel pipes suitable for welding and threading DIN EN 10255

Description: Non-alloy steel pipes suitable for welding and threading

Area of application: Transport of fluids (to 25 bar) and gaseous media (to 10 bar)

Standards (formerly DIN)	Types	Size range	EN materials (formerly DIN)	Notes
EN 10255 (DIN 2440) EN 10255 (DIN 2441)	Series M: Medium Series H: Heavy Series L, L1, L2 (ISO-Light series)	1/8"– 6"	S195T (St 33)	· Galvanised acc. to DIN EN 10240 (DIN 2444) · Pipe ends threaded/non-threaded · Pipe ends with/without couplings

Seamless Steel Pipes

DIN EN 10220 - Dimensions and masses for seamless pipes

Outside diameter D in mm Series ¹⁾			Mass (weight) per unit lengths in kg/m for wall thicknesses in mm																	
Series 1	Series 2	Series 3	1,6	1,8	2,0	2,3	2,6	2,9	3,2	3,6	4,0	4,5	5,0	5,6	6,3	7,1	8,0	8,8	10	
10,2			0,339	0,373	0,404	0,448	0,487													
	12,0			0,453	0,493	0,550	0,603	0,651	0,694											
	12,7			0,484	0,528	0,590	0,648	0,701	0,750											
13,5				0,519	0,567	0,636	0,699	0,758	0,813	0,879										
		14,0		0,542	0,592	0,664	0,731	0,794	0,852	0,923										
		16,0		0,630	0,691	0,777	0,859	0,937	1,01	1,10	1,18									
17,2				0,684	0,750	0,845	0,936	1,02	1,10	1,21	1,30	1,41								
		18,0		0,789	0,891	0,987	1,08	1,17	1,28	1,38	1,50									
		19,0		0,838	0,947	1,05	1,15	1,25	1,37	1,48	1,61	1,73								
		20,0		0,888	1,00	1,12	1,22	1,33	1,46	1,58	1,72	1,85								
21,3				0,952	1,08	1,20	1,32	1,43	1,57	1,71	1,86	2,01								
		22,0		0,996	1,12	1,24	1,37	1,48	1,63	1,78	1,94	2,10								
		25,0		1,13	1,29	1,44	1,58	1,72	1,90	2,07	2,28	2,47	2,68	2,91						
		25,4		1,15	1,31	1,46	1,61	1,75	1,94	2,11	2,32	2,52	2,73	2,97						
26,9				1,23	1,40	1,56	1,72	1,87	2,07	2,26	2,49	2,70	2,94	3,20	3,47	3,73				
		30,0				1,57	1,76	1,94	2,11	2,34	2,56	2,83	3,08	3,27	3,68	4,01	4,34			
		31,8				1,67	1,87	2,07	2,26	2,50	2,74	3,03	3,30	3,62	3,96	4,32	4,70			
		32,0				1,68	1,89	2,08	2,27	2,52	2,76	3,05	3,33	3,65	3,99	4,36	4,74			
33,7						1,78	1,99	2,20	2,41	2,67	2,93	3,24	3,54	3,88	4,26	4,66	5,07	5,40		
		35,0					2,08	2,30	2,51	2,79	3,06	3,38	3,70	4,06	4,46	4,89	5,33	5,69		
		38,0					2,27	2,51	2,75	3,05	3,35	3,72	4,07	4,47	4,93	5,41	5,92	6,34	6,91	
		40,0					2,40	2,65	2,90	3,23	3,55	3,94	4,32	4,75	5,24	5,76	6,31	6,77	7,40	
42,4							2,55	2,82	3,09	3,44	3,79	4,21	4,61	5,08	5,61	6,18	6,79	7,29	7,99	
		44,5					2,69	2,98	3,26	3,63	4,00	4,44	4,87	5,37	5,94	6,55	7,20	7,75	8,51	
48,3							2,93	3,25	3,56	3,97	4,37	4,86	5,34	5,90	6,53	7,21	7,95	8,57	9,45	
		51,0					3,10	3,44	3,77	4,21	4,64	5,16	5,67	6,27	6,94	7,69	8,48	9,16	10,1	
		54,0					3,30	3,65	4,01	4,47	4,93	5,49	6,04	6,68	7,41	8,21	9,08	9,81	10,9	
		57,0						3,87	4,25	4,74	5,23	5,83	6,41	7,10	7,88	8,74	9,67	10,5	11,6	
60,3								4,11	4,51	5,03	5,55	6,19	6,82	7,55	8,39	9,32	10,3	11,2	12,4	
		63,5						4,33	4,76	5,32	5,87	6,55	7,21	8,00	8,89	9,88	10,9	11,9	13,2	
		70,0						4,80	5,27	5,90	6,51	7,27	8,01	8,89	9,90	11,0	12,2	13,3	14,8	
		73,0						5,01	5,51	6,16	6,81	7,60	8,38	9,31	10,4	11,5	12,8	13,9	15,5	
76,1								5,24	5,75	6,44	7,11	7,95	8,77	9,74	10,8	12,1	13,4	14,6	16,3	
		82,5							6,26	7,00	7,74	8,66	9,56	10,6	11,8	13,2	14,7	16,0	17,9	
88,9									6,76	7,57	8,38	9,37	10,3	11,5	12,8	14,3	16,0	17,4	19,5	
		101,6								8,70	9,63	10,8	11,9	13,3	14,8	16,5	18,5	20,1	22,6	
		108,0								9,27	10,3	11,5	12,7	14,1	15,8	17,7	19,7	21,5	24,2	
114,3										9,83	10,9	12,2	13,5	15,0	16,8	18,8	21,0	22,9	25,7	
		127,0									12,1	13,6	15,0	16,8	18,8	21,0	23,5	25,7	28,9	
		133,0									12,7	14,3	15,8	17,6	19,7	22,0	24,7	27,0	30,3	
139,7											13,4	15,0	16,6	18,5	20,7	23,2	26,0	28,4	32,0	
		141,3										15,2	16,8	18,7	21,0	23,5	26,3	28,8	32,4	
		152,4										16,4	18,2	20,3	22,7	25,4	28,5	31,2	35,1	
		159,0										17,1	19,0	21,2	23,7	26,6	29,8	32,6	36,7	
168,3												18,2	20,1	22,5	25,2	28,2	31,6	34,6	39,0	
		177,8											21,3	23,8	26,6	29,9	33,5	36,7	41,4	
		193,7												26,0	29,1	32,7	36,6	40,1	45,3	
219,1															33,1	37,1	41,6	45,6	51,6	
		244,5													37,0	41,6	46,7	51,2	57,8	
273,0															41,4	46,6	52,3	57,3	64,9	
323,9																55,5	62,3	68,4	77,4	
355,6																	68,6	75,3	85,2	
406,4																		86,3	97,8	
457,0																			110	
508,0																				
		559,0																		
610,0																				
		660,0																		
711,0																				

Series 1 Outside diameter for which all equipment required in pipe system construction are standardised

Series 2 Outside diameter for which not all equipment are standardised

Series 3 Outside diameter for which there are few standardised equipment

Welded Steel Pipes

DIN EN 10220 - Dimensions and masses for welded pipes

Outside diameter D in mm Series ¹⁾			Mass (weight) per unit lengths in kg/m for wall thicknesses in mm																	
Series 1	Series 2	Series 3	1,4	1,6	1,8	2,0	2,3	2,6	2,9	3,2	3,6	4,0	4,5	5,0	5,6	6,3	7,1	8,0	8,8	
10,2			0,304	0,339	0,373	0,404	0,448	0,487												
13,2			0,418	0,470	0,519	0,567	0,635	0,699	0,758	0,813	0,879									
	16,0		0,504	0,568	0,630	0,691	0,777	0,859	0,937	1,01	1,10									
17,2			0,546	0,616	0,684	0,750	0,845	0,936	1,02	1,10	1,21	1,30								
	19,0		0,608	0,687	0,764	0,838	0,947	1,05	1,15	1,25	1,37	1,48								
	20,0		0,642	0,726	0,808	0,888	1,00	1,12	1,22	1,33	1,46	1,58								
21,3			0,687	0,777	0,866	0,952	1,08	1,20	1,32	1,43	1,57	1,71	1,86							
	25,0		0,815	0,923	1,03	1,13	1,29	1,44	1,58	1,72	1,90	2,07	2,28	2,47						
		25,4	0,829	0,939	1,05	1,15	1,31	1,46	1,61	1,75	1,94	2,11	2,32	2,52						
26,9			0,880	0,998	1,11	1,23	1,40	1,56	1,72	1,87	2,07	2,26	2,49	2,70						
		30,0	0,987	1,12	1,25	1,38	1,57	1,76	1,94	2,11	2,34	2,56	2,83	3,08	3,37	3,68				
	31,8		1,05	1,19	1,33	1,47	1,67	1,87	2,07	2,26	2,50	2,74	3,03	3,30	3,62	3,96	4,32			
33,7			1,12	1,27	1,42	1,56	1,78	1,99	2,20	2,41	2,67	2,93	3,24	3,54	3,88	4,26	4,66	5,07		
	38,0		1,26	1,44	1,61	1,78	2,02	2,27	2,51	2,75	3,05	3,35	3,72	4,07	4,47	4,93	5,41	5,92	6,34	
42,4			1,42	1,61	1,80	1,99	2,27	2,55	2,82	3,09	3,44	3,79	4,21	4,61	5,08	5,61	6,18	6,79	7,29	
		44,5	1,49	1,69	1,90	2,10	2,39	2,69	2,98	3,26	3,63	4,00	4,44	4,87	5,37	5,94	6,55	7,20	7,75	
48,3			1,62	1,84	2,06	2,28	2,61	2,93	3,25	3,56	3,97	4,37	4,86	5,34	5,90	6,53	7,21	7,95	8,57	
	51,0		1,71	1,95	2,18	2,42	2,76	3,10	3,44	3,77	4,21	4,64	5,16	5,67	6,27	6,94	7,69	8,48	9,16	
		54,0	1,82	2,07	2,32	2,56	2,93	3,30	3,65	4,01	4,47	4,93	5,49	6,04	6,68	7,41	8,21	9,08	9,81	
	57,0		1,92	2,19	2,45	2,71	3,10	3,49	3,87	4,25	4,74	5,23	5,83	6,41	7,10	7,88	8,74	9,67	10,5	
60,3			2,03	2,32	2,60	2,88	3,29	3,70	4,11	4,51	5,03	5,55	6,19	6,82	7,55	8,39	9,32	10,3	11,2	
	63,5			2,44	2,74	3,03	3,47	3,90	4,33	4,76	5,32	5,87	6,55	7,21	8,00	8,89	9,88	10,9	11,9	
	70,0			2,70	3,03	3,35	3,84	4,32	4,80	5,27	5,90	6,51	7,27	8,01	8,89	9,90	11,0	12,2	13,3	
		73,0		2,82	3,16	3,50	4,01	4,51	5,01	5,51	6,16	6,81	7,60	8,38	9,31	10,4	11,5	12,8	13,9	
76,1				2,94	3,30	3,65	4,19	4,71	5,24	5,75	6,44	7,11	7,95	8,77	9,74	10,8	12,1	13,4	14,6	
		82,5		3,19	3,58	3,97	4,55	5,12	5,69	6,26	7,00	7,74	8,66	9,56	10,6	11,8	13,2	14,7	16,0	
88,9				3,44	3,87	4,29	4,91	5,53	6,15	6,76	7,57	8,38	9,37	10,3	11,5	12,8	14,3	16,0	17,4	
	101,6					4,91	5,63	6,35	7,06	7,77	8,70	9,63	10,8	11,9	13,3	14,8	16,5	18,5	20,1	
		108,0				5,23	6,00	6,76	7,52	8,27	9,27	10,3	11,5	12,7	14,1	15,8	17,7	19,7	21,5	
114,3						5,54	6,35	7,16	7,97	8,77	9,83	10,9	12,2	13,5	15,0	16,8	18,8	21,0	22,9	
	127,0					6,17	7,07	7,98	8,88	9,77	11,0	12,1	13,6	15,0	16,8	18,8	21,0	23,5	25,7	
	133,0					6,46	7,41	8,36	9,30	10,2	11,5	12,7	14,3	15,8	17,6	19,7	22,0	24,7	27,0	
139,7						6,79	7,79	8,79	9,78	10,8	12,1	13,4	15,0	16,6	18,5	20,7	23,2	26,0	28,4	
	152,4					7,42	8,51	9,61	10,7	11,8	13,2	14,6	16,4	18,2	20,3	22,7	25,4	28,5	31,2	
	159,0					7,74	8,89	10,0	11,2	12,3	13,8	15,3	17,1	19,0	21,2	23,7	26,6	29,8	32,6	
168,3									11,8	13,0	14,6	16,2	18,2	20,1	22,5	25,2	28,2	31,6	34,6	
	177,8								12,5	13,8	15,5	17,1	19,2	21,3	23,8	26,6	29,9	33,5	36,7	
	193,7								13,6	15,0	16,9	18,7	21,0	23,3	26,0	29,1	32,7	36,6	40,1	
219,1										17,0	19,1	21,2	23,8	26,4	29,5	33,1	37,1	41,6	45,6	
	244,5									19,0	21,4	23,7	26,6	29,5	33,0	37,0	41,6	46,7	51,2	
273,0										21,3	23,9	26,5	29,8	33,0	36,9	41,4	46,6	52,3	57,3	
323,9										25,3	28,4	31,6	35,4	39,3	44,0	49,3	55,5	62,3	68,4	
355,6										27,8	31,3	34,7	39,0	43,2	48,3	54,3	61,0	68,6	75,3	
406,4											35,8	39,7	44,6	49,5	55,4	62,2	69,9	78,6	86,3	
457,0											40,3	44,7	50,2	55,7	62,3	70,0	78,8	88,6	97,3	
508,0											44,8	49,5	55,9	62,0	69,4	77,9	87,7	98,6	108	
	559,0													61,5	68,3	76,4	85,9	96,6	109	119
610,0														67,2	74,6	83,5	93,8	106	119	130
	660,0													72,7	80,8	90,4	102	114	129	141
711,0														78,4	87,1	97,4	109	123	139	152
	762,0													84,1	93,3	104	117	132	149	163
813,0														89,7	99,6	112	125	141	159	175
	864,0													95,4	106	119	133	150	169	186
914,0														101	112	125	141	159	179	196
1016														112	125	140	157	177	199	219
1220															168	182	212	239	263	
1420																220	247	279	306	
1620																	282	318	350	
1820																				393
2020																				
2220																				

Series 1 Outside diameter for which all equipment required for pipe system construction are standardised

Series 2 Outside diameter for which not all equipment are standardised

Series 3 Outside diameter for which there are few standardised equipment

Delivery conditions

EXW, FCA, CPT, CIP, DAP, DPU, DDP, CFR, FOB, FAS, CIF (Incoterms 2020)

The payment method can be made via bank transfer, bank letter of credit or bank guarantee letter.

Invoicing will be made without VAT in accordance with REGULATION (EU) NO. 91/2010 for Intra-Community countries.



Incoterms® 2020 ICC | Rules for any mode or modes of transport

Incoterms	Category	Origin	Loading	Transport	Customs export	Handling	Freight	Handling	Customs import	Transportation to destination	Unloading
EXW	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	RISK	Blue	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
FCA	COST	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow	Yellow	Yellow
CPT	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow	Yellow	Yellow
CIP	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow	Yellow	Yellow
	INSURANCE	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
DAP	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Blue	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Blue	Yellow
DPU	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Blue	Blue
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Blue	Blue
DDP	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow

Incoterms® 2020 ICC | Rules for maritime transport and inland waterways

Incoterms	Category	Origin	Loading	Transport	Customs export	Handling	Freight	Handling	Customs import	Transportation to destination	Unloading
CFR	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
FOB	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
FAS	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
CIF	COST	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	RISK	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Yellow	Yellow	Yellow
	INSURANCE	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue

SELLER ■ BUYER ■

Import & Export



Main Products

Welded Steel Pipes SSAW: OD 8-120 inch (219.1-3048mm)

Welded Steel Pipes LSAW: OD 8-72 inches (219.1-1820mm)

Seamless Pipes OD 21.3 mm - 609.6 mm

Standards for the pipes, mentioned above:

API Spec 5CT, API Spec 5L PSL2, ASTM A53, A106 gr.B, ASTM A252, EN 10217, EN 10219, EN10216, EN10208 and other related standards.

Used in:

Multiple industries (petroleum, natural gas, chemical, electric power), shipbuilding, environmental protection, boiler construction, water transport, steel structures and other related fields.



Tel / Fax: +4 0310699754
Mobile: +4 0773997780



Steel Gate



www.steelpipes.ro
www.ample-shop.com
comercial@steelpipes.ro
office@ample-shop.com



We provide products such as:

- ✓ Seamless pipe according to EN 10216-2, alloyed and non-alloyed steel
- ✓ Seamless pipe according to ASTM SA178, SA209, SA213-T2
- ✓ Seamless pipe according to EN 10216-1
- ✓ Stainless or carbon steel (elbows, tees, reducers) according to DIN 2605 EN 10253 ASTM
- ✓ Seamless pipe according to ISO 3183
- ✓ Welded pipe SAW , LSAW , ERW according to ISO 3183 API 5L , EN 10219-10217-10255
- ✓ Flanges, carbon or stainless steel, blind and neck according to DIN, ASTM



Tel / Fax: +4 0310699754
Mobile: +4 0773997780



comercial@steelpipes.ro
office@ample-shop.com



08:00 – 17:00 (GMT/UTC
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