

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

Standards		EN ISO 3183 / PSL 1			EN ISO 3183 / PSL 2	EN 10208-2
Type of pipe / type of steel		L210	L245	L290–L485	L245–L555	
Seamless	S	•	•	•	•	•
Low frequency welded	LFW	•	•	•		
High frequency welded	HFW	•	•	•	•	•
Submerged arc welded	SAW	•	•	•	•	•
Combiert welded	COW	•	•	•	•	•

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. B	Normalized	NE	NB
DIN EN 10208-2	1.0484	L290	L290	X42	Quenched tempered (Seamless only)	QE	QB
API 5L	1.0582	L360	L360	X52	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
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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 check analysis.

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.

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

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