

DIN EN 10204

Scope of Testing acc. to DIN EN 10217-7

	Type of testing	Scope of testing		Notes	Test standard
		Test category 1	Test category 2		
Binding tests	Heat analysis	one test per heat		11.1	
	Tensile test at room temperature	one test per test unit	two tests per test unit	11.2.1	DIN EN 10002-1
	Ring flattening test or	one test per test unit	each pipe	11.4.1	DIN EN 10233
	Ring tensile test	one test per test unit	each pipe	11.4.2	DIN EN 10237
	Drift expanding test	one test per test unit	each pipe	11.4.3	DIN EN 10234
	Ring expansion test or	one test per test unit	each pipe	11.4.4	DIN EN 10236
	Welded seam bend test	one test per test unit	each pipe	11.5	DIN EN 910
	Leak test	each pipe	each pipe	11.8	DIN EN 10246-2
	Dimensional check	each pipe	each pipe	11.9	
	Visual inspection	each pipe	each pipe	11.10	
	NDT of welded seam (b)	each pipe	each pipe		
	a) Eddy current testing	each pipe	each pipe		DIN EN 10246-3
	b) Ultrasound testing	each pipe	each pipe		DIN EN 10246-7
	c) Ultrasound testing	each pipe	each pipe		DIN EN 10246-9
	d) Radiographic testing	each pipe	each pipe		DIN EN 10246-10
Material identification	each pipe	each pipe	11.12		
Testing for crystalline corrosion (option 13) for austenitic and austenitic-ferritic steel types (c)	one test per heat		11.7	DIN ISO 3651-2	
Other tests (options)	Part analysis (option 6)	one test per heat		11.1	
	Tensile test at increased temperature (option 11)	acc. to agreement or one test per heat and heat treatment condition	acc. to agreement or one test per heat and heat treatment condition	11.2.2	DIN EN 10002-5
	Tensile test for welded seam (option 22)			11.3	DIN EN 10002-1
	Notched bar impact test at room temperature (option 8)			11.6	DIN EN 10045-1
	Tensile test at low temperature (option 12)			11.6	DIN EN 10045-1
	Wall thickness measurement outside the pipe end area (option 24)	each pipe	each pipe	11.9	
	Ultrasound testing of edges of sheet metal/strip to demonstrate doubling (option 17)		each pipe	11.11	DIN EN 10246-17
	Ultrasound testing to demonstrate doubling (option 17)		each pipe	11.11	DIN EN 10246-16
(a)	The choice of test method is left to the manufacturer, taking into consideration the stipulations in table 14.				
(b)	The choice of test method is left to the manufacturer. However, see also foot note a in table 16.				
(c)	Only applies as a binding test for pipes acc. to DIN EN 10357, otherwise it is an optional test (option 13).				
Refer to DIN EN 10217-7 for further technical specifications.					

DIN EN 10204 : 2004 describes the "Types of Inspection Documents"

Designation of the inspection documents acc. to DIN EN 10204		Content of the document	Confirmation of document by
Type	English		
2.1	factory document	confirmation of match to order	the manufacturer
2.2	factory certificate	confirmation of match to order with indication of results of non-specific test	the manufacturer
3.1	acceptance test certificate 3.1	confirmation of match to order with indication of results of specific test	the party representing the manufacturer authorised by the production department to perform acceptance
3.2	acceptance test certificate 3.2	confirmation of match to order with indication of results of specific test	the independent party representing the manufacturer and the purchaser authorised by the production department to perform acceptance or the party authorised to perform acceptance as indicated in the authority regulations

DIN purchased from BEUTH Verlag GmbH, 10722 Berlin

Explanations for Table

2.1 Non-specific test

Testing carried out by the manufacturer using a method which he considered suitable in order to determine whether products, which have been produced using the same product specification and using the same method, match the requirements stipulated in the order.

The tested products do not necessarily need to come from the delivery itself.

2.2 Specific test

Tests which are performed before delivery in accordance with the product specification on the products to be delivered or on test units, of which they are a part, in order to determine whether the products match the requirements stipulated in the order.

2.3 Manufacturer

Organisation which produces the respective products in accordance with the requirements of the order with the properties acc. to the product specification.

2.4 Distributor

Organisation which receives products from a manufacturer and distributes them without further processing or, if processed, without a change to the basic properties in the order or in the product specification on which the order is based.

2.5 Product specification

All the applicable technical requirements for the production order, stipulated in the production order itself and / or using reference to rules, standards and other specifications, for instances

Test Certificates from Armaturenwerk Hötensleben GmbH

AWH has been approved to issue test certificates for 2.1 and 2.2 and restamping certificates.

Furthermore, a 3.1 product or a 3.1. AD 2000-W2 certificate of the raw material can be made available for the product in conjunction with a restamping certificate. AWH has the respective certificate from TÜV Nord for restamping certification.

These certificates for the finished product are sufficient for the notified body (acc. to the pressure vessels directive) as the chemical and physical properties do not change during processing.

The certificates subject to a charge and must be requested at the latest together with placement of the order.