



EHH-6-042E Rev. 3

For EHH only:

Overview of all used standards some test standards with flexible scope acc. to ISO 17025 scope and external and internal documents (end of list) to be tracked, dated 20.12.2023, EHH, R. Kummerow

Standard/ ext. + int. documents	Titel	Germany	Akkreditierung/Zertifizierung	Ausgabedatum 1	Ausgabedatum 2	Ausgabedatum 3	Ausgabedatum 4	Ausgabedatum 5	Ausgabedatum 6	Ausgabedatum 7	Ausgabedatum 8
AD 2000 HP 5/3 www.Beuth.de	Manufacture and testing of joints - Non-destructive testing of welded joints	X ¹	17025	2015-04	2020-12						
ASME BPVC Section V, Article 4 & 5	Ultrasonic Examination	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section V, Article 4 & 5 & 23	Straight-Beam Ultrasonic Examination of Steel Plates (UT)	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section V, Article 6 & 24	Liquid Penetrant Examination	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section V, Article 7 & 25	Magnetic Particle Examination	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section VIII	Ultrasonic Examination of Welds	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section VIII	Magnetic Particle Examination	X ¹	17025	2019	2021-07	2023-07					
ASME BPVC Section VIII	Liquid Penetrant Examination	X ¹	17025	2019	2021-07	2023-07					
ASTM A 262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels	X ¹	17025	2013	2014	2015-09	Reapproved 2021-09				
ASTM A 370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products ¹	X	17025	2019	2020-09	2021-12	2022-11	2023-09			
ASTM A 770	Standard Specification for Through-Thickness Tension Testing of Steel Plates for Special Applications	X ¹	17025	2012	2018-09						
ASTM A 923	Standard Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels ¹	X ¹	17025	2014-03	2022-06	2023-06					
ASTM B 557+ ASTM B 557M	Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products	X ¹	17025	2015-10	reapproved 2023-04						
ASTM E 10	Standard Test Method for Brinell Hardness of Metallic Materials	X ¹	17025	2015	2017	2018-08	2023-08				
ASTM E 1004	Standard Test Method for Determining Electrical Conductivity Using the Electromagnetic (Eddy Current) Method	X ¹	17025	2017-06							
ASTM E 111	Standard Test Method for Young's Modulus, Tangent Modulus, and Chord Modulus ¹	X ¹	17025	2017-07							
ASTM E 112	Standard Test Methods for Determining Average Grain Size	X ¹	17025	2013-10	reapp. 2021-11						
ASTM E 1181	Standard Test Methods for Characterizing Duplex Grain Sizes ¹	X ¹	17025	2015-10	reappr. 2023-05						
ASTM E 1351	Standard Practice for Production and Evaluation of Field Metallographic Replicas	X ¹	17025	2012-10	2020-09						
ASTM E 18	Standard Test Methods for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials	X ¹	17025	2014	2015	2016	2018	2019	2020-05	2022-05	
ASTM E 190	Standard Test Method for Guided Bend Test for Ductility of Welds	X ¹	17025	2014-05	2021-08						
ASTM E 21	Standard Test Methods for Elevated Temperature Tension Tests of Metallic Materials	X ¹	17025	2005	2017	2020-10					
ASTM E 23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials	X ¹	17025	2012	2016	2018-11	2022-12 publ. 2023-04	2023-01 publ. 2023-04	2023-02 publ. 2023-04		
ASTM E 290	Standard Test Methods for Bend Testing of Material for Ductility	X ¹	17025	2014-05	2022-09						
ASTM E 340	Standard Test Method for Macroetching Metals and Alloys	X ¹	17025	2013	2015-06	2023-11					
ASTM E 381	Standard Method of Macroetch Testing Steel Bars, Billets, Blooms, and Forgings	X ¹	17025	2012	2017	2020-05	2022-06				
ASTM E 384	Standard Test Method for Knoop and Vickers Hardness of Metallic Materials	X ¹	17025	2011	2016	2017-06	2022-11				
ASTM E 407	Standard Practice for Microetching Metals and Alloys	X ¹	17025	2015-06 e1	2023-11						

ASTM E 45	Standard Test Methods for Determining the Inclusion Content of Steel	X ¹	17025	2011	2014	2018-02	2018-09 a	2023-11		
ASTM E 562	Bestimmung des Volumenanteils mittels Auszählverfahren	X ¹	17025	2011	2019	2019 e1 publ. 2020-08				
ASTM E 8	Standard Test Methods for Tension Testing of Metallic Materials	X ¹	17025	2013	2015	2016	2021-02	2022-07		
ASTM E 92	Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials	X ¹	17025	2017-04	2023-08					
ASTM E 930	Standard Test Methods for Estimating the Largest Grain Observed in a Metallographic Section (ALA Grain Size)	X ¹	17025	2018-12 publ. 2019-02	2020-09					
ASTM G 28	Standard Test Methods of Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys	X ¹	17025	2015-11	2022-12 publ. 2023-01					
ASTM G 48	Standard Test Methods for Pitting and Crevice Corrosion Resistance of stainless Steels and Related Alloys by Use of Ferric Chloride Solution	X ¹	17025	2011 reapp. 2015-11 reapp. 2020-12 e1						
DIN 30901	Heat treatment of ferrous materials - Determination of the depth and form of appearance of the internal oxidation	X ¹	17025	2016-12						
DIN 50915	Testing the resistance of unalloyed and low alloy steels to intergranular stress corrosion cracking by attack of nitrate medium; welded and unwelded materials	X ¹	17025	1993-09						
EN 10160	Ultrasonic testing of steel flat product of thickness equal to or greater than 6 mm (reflection method)	X ¹	17025	EN: 1999 DIN EN: 1999-09						
EN 10163-1	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 1: General requirements	X ¹	17025	EN: 2004 DIN EN: 2005-03						
EN 10163-1 Corrigenda	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 1: General requirements	X ¹	17025	EN: 2007 DIN EN 2007-05						
EN 10163-2	Delivery requirements for surface conditions of hot-rolled steel plates, wide flats and sections - Part 2: Plate and wide flats	X ¹	17025	EN: 2004 DIN EN: 2005-03						
EN 10163-3	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 3: Sections	X ¹	17025	EN: 2004 DIN EN: 2005-03						
EN 10228-1	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection	X ¹	17025	1999-07	EN: 2016 DIN EN: 2016-10					
EN 10228-2	Non-destructive testing of steel forgings - Part 2: Penetrant testing	X ¹	17025	1998-06	EN: 2016 DIN EN: 2016-10					
EN 10228-3	Non-destructive testing of steel forgings - Part 3: Ultrasonic testing of ferritic or martensitic steel forgings	X ¹	17025	1998-07	EN: 2016 DIN EN: 2016-10					
EN 10228-4	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings	X ¹	17025	1999-10	EN: 2016 DIN EN: 2016-10					
EN 10229	Evaluation of resistance of steel products to hydrogen induced cracking (HIC)	X ¹	17025	EN: 1998 DIN EN: 1998-11						
EN 10247	Micrographic examination of the non-metallic inclusion content of steels using standard pictures	X ¹	17025	EN: DIN EN: 2007-07	EN: 2017 DIN EN: 2017-09					
EN 10306	Iron and steel - Ultrasonic testing of H beams with parallel flanges and IPE beams	X ¹	17025	EN: 2001 DIN EN: 2002-04						
EN 10307	Non-destructive testing - Ultrasonic testing of austenitic and austenitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm (reflection method)	X ¹	17025	EN: 2001 DIN EN: 2002-03						
EN 10308	Non-destructive testing - Ultrasonic testing of steel bars	X ¹	17025	EN: 2001 DIN EN: 2002-03						
EN 12680-1	Founding - Ultrasonic examination - Part 1: Steel castings for general purposes	X ¹	17025	EN: 2003 DIN EN: 2003-06	Draft DIN EN: 2024-02					
EN 12680-2	Founding - Ultrasonic examination - Part 2: Steel castings for highly stressed components	X ¹	17025	EN: 2003 DIN EN: 2003-06	Draft DIN EN: 2024-02					
EN 12680-3	Founding - Ultrasonic testing - Part 3: Spheroidal graphite cast iron castings	X ¹	17025	EN: 2011 DIN EN: 2012-02	Draft DIN EN: 2024-02					
EN 13018	Non-destructive testing - Visual testing - General principles	X ¹	17025	2001-07	EN: 2016 DIN EN: 2016-06					
EN 1369	Founding - Magnetic particle testing	X ¹	17025	EN: 2012 DIN EN: 2013-01						
EN 1370	Founding - Examination of surface condition	X ¹	17025	EN: 2011 DIN EN: 2012-03						
EN 1371-1	Founding - Liquid penetrant testing - Part 1: Sand, gravity die and low pressure die castings	X ¹	17025	EN: 2011 DIN EN: 2012-02						
EN 1371-2	Founding - Liquid penetrant testing - Part 2: Investment castings	X ¹	17025	EN: 2015 DIN EN: 2015-04						
EN 15048-2	Non-preloaded structural bolting assemblies - Part 2: Fitness for purpose	X ¹	17025	2014-11	EN: 2016 DIN EN: 2016-09					
EN 1561	Founding - Grey cast irons	X ¹	17025	EN: 2011 DIN EN: 2012-01	Draft DIN EN 2020-12					
EN 1562	Founding - Malleable cast irons	X ¹	17025	2012-05	EN: 2019 DIN EN: 2019-06					

ISO 15614-11	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: Electron and laser beam welding	x	17020	ISO: 2002-03 (R2013) DIN EN ISO : 2002-10	Draft DIN EN ISO: 2022-08							
ISO 16276-1	Korrosionsschutz von Stahlbauten durch Beschichtungssysteme - Beurteilung der Adhäsion/Kohäsion (Haftfestigkeit) einer Beschichtung und Kriterien für deren Annahme - Teil 1: Abreiß-versuch	x	17020	ISO: 2007-05 DIN EN ISO: 2007-08								
ISO 16276-2	Korrosionsschutz von Stahlbauten durch Beschichtungssysteme - Beurteilung der Adhäsion/Kohäsion (Haftfestigkeit) einer Beschichtung und Kriterien für deren Annahme - Teil 2: Gitter-schnitt- und Kreuzschnittprüfung	x	17020	ISO: 2007-05 DIN EN ISO: 2007-08								
ISO 16826	Non-destructive Testing - Ultrasonic Testing - Examination For Discontinuities Perpendicular To The Surface	x ¹	17025	ISO: 2012-04 (R2017) DIN EN ISO: 2014-06								
ISO 17636-2	Non-destructive Testing Of Welds - Radiographic Testing - Part 2: X- And Gamma-ray Techniques With Digital Detectors	x ¹	17025	ISO: 2013-01 DIN EN ISO: 2013-05	ISO: 2022-05 DIN EN ISO: 2023-05							
ISO 17637	Non-destructive Testing Of Welds - Visual Testing Of Fusion-welded Joints	x ¹	17025	2011-05	ISO: 2016-12 DIN EN ISO: 2017-04							
ISO 17638	Non-destructive Testing Of Welds - Magnetic Particle Testing	x ¹	17025	2010-03	ISO: 2016-10 DIN EN ISO: 2017-03							
ISO 17639	Destructive Tests On Welds In Metallic Materials — Macroscopic And Microscopic Examination Of Welds	x ¹	17025	ISO: 2003-09 DIN EN ISO 2013-12	ISO: 2022-01 DIN EN ISO: 2022-05							
ISO 17640	Non-destructive Testing Of Welds -- Ultrasonic Testing -- Techniques, Testing Levels, And Assessment	x ¹	17025	2011-04	ISO: 2018-10 DIN EN ISO: 2019-02							
ISO 17660-1	Welding - Welding Of Reinforcing Steel - Part 1: Load-bearing Welded Joints	x ¹	17020 17025	ISO 2006-09 DIN EN ISO: 2006-12	Draft ISO: 2021 Draft DIN EN ISO 2021-09							
ISO 17660-1 Berichtigung 1	Welding - Welding Of Reinforcing Steel - Part 1: Load-bearing Welded Joints	x	17025	DIN EN ISO: 2007-08	Draft ISO: 2021 Draft DIN EN ISO 2021-09							
ISO 17660-2	Welding - Welding Of Reinforcing Steel - Part 2: Non Load-bearing Welded Joints Section 14, Tensile Test/ Untersuchung und Prüfung von Proben - Zugversuch	x ¹	17020 17025	ISO: 2006-09 DIN EN ISO: 2006-12								
ISO 17660-2 Berichtigung 1	Schweißen - Schweißen von Betonstahl - Teil 2: Nicht-tragende Schweißverbindungen - Absatz 14: Untersuchung und Prüfung von Proben - Zugversuch	x	17025	DIN EN ISO: 2007-08	Draft ISO: 2021 Draft DIN EN ISO 2021-09							
ISO 18203	Steel - Determination of the thickness of surface-hardened layers	X1	17025	ISO: 2016-12 DIN EN ISO: 2022-07 (supers. for DIN 50190-3, EN 10328, ISO 2639)								
ISO 19840 www.iso.org/search.html	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Measurement of, and acceptance criteria for, the thickness of dry films on rough surfaces	x	17020	2012-09 (R2017)								
ISO 2178	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method	x	17020	ISO: 2016-03 DIN EN ISO: 2016-11								
ISO 22825	Non-destructive testing of welds - Ultrasonic testing - Testing of welds in austenitic steels and nickel-based alloys	x ¹	17025	2012-08	ISO: 2017-09 DIN EN ISO: 2018-02							
ISO 2360	Non-conductive coatings on non-magnetic electrically conductive base metals - Measurement of coating thickness - Amplitude-sensitive eddy-current method	x	17020	ISO: 2017-07 DIN EN ISO 2017-12								
ISO 2409	Paints and varnishes - Cross-cut test	x	17020	ISO: 2020-08 DIN EN ISO: 2020-12								
ISO 2624	Copper and copper alloys; estimation of average grain size	x ¹	17025	ISO: 1990-02 (R2013) DIN EN ISO: 1995-08								
ISO 2808	Paints and varnishes - Determination of film thickness	x	17020	2019-07 DIN EN ISO: 2019-12								
ISO 3057	Metallographic replica technique of surface examination	x ¹	17025	ISO: 1998-03 (R2017) kein DIN EN								
ISO 3452-1	Non-destructive testing - Penetrant testing - Part 1: General principles	x ¹	17025	ISO: 2013-09 DIN EN ISO: 2014-09	ISO: 2021-05 DIN EN ISO: 2022-02							
ISO 3452-5	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50 °C	x ¹	17025	ISO: 2008-12 DIN EN ISO: 2009-04								
ISO 3452-6	Non-destructive testing - Penetrant testing - Part 6: Penetrant testing at temperatures lower than 10 °C	x ¹	17025	ISO: 2008-12 DIN EN ISO: 2009-04								
ISO 3651-1	Determination of resistance to intergranular corrosion of stainless steels - Part 1: Austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in nitric acid medium by measurement of loss in mass (Huey test)	x ¹	17025	ISO: 1998-05 DIN EN ISO: 1998-08								
ISO 3651-2	Determination of resistance to intergranular corrosion of stainless steels - Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in media containing sulfuric acid	x ¹	17025	ISO: 1998-05 DIN EN ISO: 1998-08								
ISO 3887	Steels - Determination of the depth of decarburization	x ¹	17025	2003-10	ISO: 2017-11 DIN EN ISO: 2018-05	ISO:2023-09 DIN EN ISO: 2023-12						
ISO 4136	Destructive tests on welds in metallic materials - Transverse tensile test	x ¹	17025	ISO: 2012-11 DIN EN ISO: 2013-02	ISO: 2022-05 DIN EN ISO: 2022-09							
ISO 4386-1	Plain bearings - Metallic multilayer plain bearings - Part 1: Non-destructive ultrasonic testing of bond of thickness ≥ 0,5 mm	x1	17025	DIN ISO: 2015-12	ISO: 2019-04 DIN ISO 2022-08							
ISO 4624	Paints and varnishes - Pull-off test for adhesion	x	17020	ISO: 2016-03 DIN EN ISO: 2016-08	ISO: 2023-06 DIN EN ISO: 2023-09							
ISO 4967	Steel - Determination of content of nonmetallic inclusions - Micrographic method using standard diagrams	x ¹	17025	ISO: 2013-07 (R2020) kein DIN EN								

SEP 1390	Aufschweißbiegeversuch	x ¹	17025	1996-07						
SEP 1520	Mikroskopische Prüfung der Karbidausbildung in Stählen mit Bildreihen	x ¹	17025	1998-09						
SEP 1877	Prüfung der Beständigkeit hochlegierter, korrosions-beständiger Werkstoffe gegen interkristalline Korrosion	x ¹	17025	1994-07						
SEP 1916	Zerstörungsfreie Prüfung schmelzgeschweißter ferritischer Stahlrohre	x ¹	17025	1989-12						
SEP 1917	Zerstörungsfreie Prüfung elektrisch pressgeschweißter Rohre aus ferritischen Stählen	x ¹	17025	1994-09						
SEP 1923	Ultraschallprüfung von Schmiedestücken mit höheren Anforderungen, insbesondere für Bauteile in Turbinen- und Generatoranlagen	x ¹	17025	2009-02						
VDI 3822 Beuth	Failure analysis - Fundamentals and performance of failure analysis	x	17020	2011-11	2023-12					
VDI 3822 Blatt 1.2 Beuth	Failure analysis - Failures of metallic products caused by corrosion in aqueous media	x	17020	2017-12						
VDI 3822 Blatt 1.3 Beuth	Failure analysis - Failures on metal products caused by tribology working conditions	x	17020	2017-06						
VDI 3822 Blatt 1.4 Beuth	Failure analysis - Failures caused by thermal loading	x	17020	2011-10						
VDI 3822 Blatt 1.6	Failure analysis - Liquid-metal-induced crack formation	x	17020	2019-06						
VDI 3822 Blatt 2 Beuth	Failure analysis - Failures caused by mechanical working conditions	x	17020	2008-04						