Republic of Türkiye, Province of Mersin

LIST OF MEASUREMENT, TEST, AND CONTROL OBJECTS AND INDICATORS CONTROLLED BY THEM, OF THE METAL LABOURATORY OF AKKUYUTSRST CONSTRUCTION AND TEST LABORATORY INDUSTRY TRADE LIMITED COMPANY

| Control Name of objectsIneasuring unitsductiment retains to the measurement, test, control procedure (method)12341. Seamless pipe. 2. Electric welded pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well asTemporary resistanceBetween 10 - 1000 kgs/mm2)Metals. Stress Control Methods. GOST 1497-84Flow limit (conditional) components and materials).Flow limit (conditional) kelative contraction after ruptureBetween 10 - 850 kgs/mm2)Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; GOST 34028-20168. Plain metal and welded connectionsRelative elongation after rupture5% to 80% contraction after ruptureStress of Thick Plate in contraction between 10 - 850 kgs/mm2) | Measurement, Test, | Parameter to check | Measuring range, | Description and name of the |
|--|-----------------------|--------------------------|---|---------------------------------|
| 12341. Seamless pipe. 2. Electric welded pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and components and materials).Tensile strengthBetween 10 - 1000 N/mm2GOST 1497-84 Metals. Stress Control Methods. GOST 10006-80 Methods; GOST 28870-90Fluid limit (physical)Between 10 - 1000 kgs/mm2)Methods of Testing the Stress of Thick Plate in Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; GOST 12004-81 Rebar Hole. Tensile Test Methods; GOST 34028-2016 Concrete Structures. Technical components and materials).3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% after rupture3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% after ruptureGOST 23118-2019 General Technical Conditions for Steel | objects | | measuring units | measurement, test, control |
| 12341. Seamless pipe. 2. Electric welded pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and components and materials).Tensile strengthBetween 10 - 1000 kgs/mm2)Metals. Stress Control Methods. GOST 10006-80 Metal Pipes. Tensile Test1Temporary resistanceBetween 10 - 1000 kgs/mm2)Methods; GOST 28870-901Temporary resistanceBetween 10 - 1000 kgs/mm2)Methods; Stress of Thick Plate in Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Flow limit (conditional) Relative elongation after ruptureBetween 10 - 850 kgs/mm2)Thick Plate in Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; GOST 10204-813. Plain metal and welded connectionsRelative elongation after rupture5% to 90% after ruptureGOST 23118-2019 General Technical Conditions for Steel | 0~ J ••• | | | procedure (method) |
| 1. Seamless pipe.Tensile strengthBetween 10 - 1000 N/mm2GOST 1497-84 Metals. Stress Control Methods. GOST 10006-802. Electric welded pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and components and materials).Tensile strengthBetween 10 - 1000 N/mm2Metal Pipes. Tensile TestFluid limit (physical)Temporary resistanceBetween 10 - 1000 N/mm2Methods; GOST 28870-90Fluid limit (physical)Between 10 - 850 (between 10 - 850 Rebar Hole. Tensile TestFlow limit (conditional)Between 10 - 850 (between 10 - 850 Rebar Hole. Tensile TestRelative elongation after rupture5% to 80% after ruptureConcrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90%GOST 23118-2019 General Technical Conditions for Steel | 1 | 2 | 3 | 4 |
| 2. Electric welded pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Temporary resistanceN/mm2 Between 10 - 1000 N/mm2Metals. Stress Control Methods. GOST 10006-80 Methods; GOST 28870-901. Stress of Thick Plate in stress of Thick Plate in (including elements and devices for fixing and cables, as well as components and materials).Fluid limit (physical)Between 10 - 850 N/mm2 (between 10 - 850 N/mm2 (between 10 - 850 N/mm2Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; GOST 12004-81 Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Conditions; GOST 23118-2019 General Technical Conditions for Steel | 1. Seamless pipe. | Tensile strength | Between 10 - 1000 | GOST 1497-84 |
| pipes (common metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and components and materials).Temporary resistanceBetween 10 - 1000 N/mm2Methods; GOST 28870-90Fluid limit (physical)Between 10 and 100 kgs/mm2)Stress of Thick Plate in Thickness Direction; GOST 10446-80Fluid limit (physical)Between 10 - 850 (between 10 | 2. Electric welded | | N/mm2 | Metals. Stress Control Methods. |
| metal and welded connections of metal pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and components and materials).Temporary resistanceBetween 10 - 1000 N/mm2Methods; GOST 28870-90 Steel. Methods of Testing the Stress of Thick Plate in Thickness Direction; GOST 10446-80Fluid limit (physical)Between 10 - 850 (between 10 - 850 (between 10 - 850) N/mm2Thickness Direction; GOST 10446-80fixing and assembling equipment, devices, tools, wires and cables, as well as Components and materials).Flow limit (conditional) (between 10 - 850) N/mm2Between 10 - 850 (between 10 - 850) N/mm2Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% after ruptureGOST 23118-2019 General Technical Conditions for Steel | pipes (common | | (between 10 and 100 | GOST 10006-80 |
| connections of metal pipes and pipelines, equipment of power plants, their elementsTemporary resistanceBetween 10 - 1000 N/mm2Methods; GOST 28870-90and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well asFluid limit (physical)Between 10 - 850 N/mm2Thickness Direction; GOST 10446-80Flow limit (conditional) components and materials).Flow limit (conditional) after ruptureBetween 10 - 850 kgs/mm2)Rebar Hole. Tensile Test Methods; GOST 12004-81Relative elongation after rupture5% to 80% after ruptureGOST 23118-2019 General Technical Conditions for Steel | metal and welded | T · · | kgs/mm2) | Metal Pipes. Tensile Test |
| pipes and pipelines, equipment of power plants, their elements and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Fluid limit (physical)Between 10 and 100 kgs/mm2)Stress of Thick Plate in Thickness Direction; GOST 10446-80 Phone. Tensile Test Method; GOST 12004-81 Rebar Hole. Tensile TestFlow limit (conditional) materials).Flow limit (conditional) (between 10 - 850 N/mm2 (between 10 - 850 Kgs/mm2)Rebar Hole. Tensile Test Method; GOST 12004-81 Rebar Hole. Tensile TestRelative elongation after rupture5% to 80% after ruptureGOST 23118-2019 General Technical Conditions for Steel | connections of metal | Temporary resistance | Between 10 - 1000 | COST 28870 00 |
| components and components (including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Fluid limit (physical)Between 10 - 850 (between 10 - 850 (between 10 - 850 (between 10 - 850) N/mm2 (between 10 - 850) Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions; Relative contraction after ruptureRelative contraction after rupture5% to 90% after ruptureGOST 23118-2019 General Technical Conditions for Steel | equipment of power | | N/IIIII2 (botwoon 10 and 100 | Steel Methods of Testing the |
| plane, there elements and components (including elements and devices for | plants their elements | | kgs/mm^2 | Stress of Thick Plate in |
| and componentsFind mint (physical)Detween 10 - 850Internets Direction,(including elements and devices for fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Flow limit (conditional)Between 10 - 850 kgs/mm2)GOST 10446-80 Phone. Tensile Test Method; GOST 12004-81Flow limit (conditional)Between 10 - 850 kgs/mm2)Rebar Hole. Tensile Test Methods; GOST 34028-2016Relative elongation after rupture5% to 80%Concrete Structures. Technical Conditions;3. Plain metal and welded connections5% to 90%GOST 23118-2019 General Technical Conditions for Steel | and components | Fluid limit (physical) | $\frac{\text{Rgs/IIIII2}}{\text{Between 10} - 850}$ | Thickness Direction |
| and devices for fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Flow limit (conditional)Between 10 - 85 kgs/mm2)Phone. Tensile Test Method; GOST 12004-81Relative elongation after rupture5% to 80%GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90%GOST 23118-2019 General Technical Conditions for Steel | (including elements | r fuld mint (physical) | N/mm? | GOST 10446-80 |
| fixing and assembling equipment, devices, tools, wires and cables, as well as components and materials).Flow limit (conditional)Between 10 - 850 N/mm2 (between 10 - 85 kgs/mm2)GOST 12004-81 Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% 5% to 90%GOST 12004-81 Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions; | and devices for | | (between 10 - 85 | Phone. Tensile Test Method; |
| assembling equipment, devices, tools, wires and cables, as well as components and materials).Flow limit (conditional)Between 10 - 850 N/mm2 (between 10 - 85 kgs/mm2)Rebar Hole. Tensile Test Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% S% to 90%GOST 23118-2019 General Technical Conditions for Steel | fixing and | | kgs/mm2) | GOST 12004-81 |
| equipment, devices, tools, wires and cables, as well as components and materials).N/mm2 (between 10 - 85 kgs/mm2)Methods; GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% S% to 90%GOST 23118-2019 General Technical Conditions for Steel | assembling | Flow limit (conditional) | Between 10 - 850 | Rebar Hole. Tensile Test |
| tools, wires and cables, as well as components and materials).(between 10 - 85 kgs/mm2)GOST 34028-2016 Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90% 5% to 90%GOST 23118-2019 General Technical Conditions for Steel | equipment, devices, | ``´´´ | N/mm2 | Methods; |
| cables, as well as components and materials).Relative elongation after rupturekgs/mm2)Reinforcing Bar for Reinforced Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90%GOST 23118-2019 General Technical Conditions for Steel | tools, wires and | | (between 10 - 85 | GOST 34028-2016 |
| components and materials).Relative elongation after rupture5% to 80%Concrete Structures. Technical Conditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90%GOST 23118-2019 General Technical Conditions for Steel | cables, as well as | | kgs/mm2) | Reinforcing Bar for Reinforced |
| materials).after ruptureConditions;3. Plain metal and welded connectionsRelative contraction after rupture5% to 90%GOST 23118-2019 General Technical Conditions for Steel | components and | Relative elongation | 5% to 80% | Concrete Structures. Technical |
| 3. Plain metal and welded connections after rupture | materials). | after rupture | | Conditions; |
| after rupture | 3. Plain metal and | Relative contraction | 5% to 90% | GOST 23118-2019 General |
| Lot rointorood Vtructure Constructions: | of rainforced | after rupture | | Structure Constructions: |
| concrete structures Fluidity limit at high Between 10 - 40 GOST 10884-94 | concrete structures | Fluidity limit at high | Between 10 - 40 | $GOST 10884_94$ |
| steel construction temperatures kgs/mm2 Thermodynamically Hardened | steel construction | temperatures | kgs/mm2 | Thermodynamically Hardened |
| structures and Relative elongation 5% to 40% Reinforcement Steel for | structures and | Relative elongation | 5% to 40% | Reinforcement Steel for |
| localisation safety after rupture at high Reinforced Concrete | localisation safety | after rupture at high | | Reinforced Concrete |
| systems, including Deleting a big base of the second secon | systems, including | temperatures | 5 0/ 4 - 6 00/ | Constructions. |
| construction Relative shrinkage after 5% to 60% | construction | Relative shrinkage after | 5% to 60% | |
| structures (metal | structures (metal | temperatures | | |
| cladding of Unpact energy 0.1 - 450 dB GOST 34227-2017 | cladding of | Impact energy | 0.1 - 450 dB | GOST 34227-2017 |
| localisation systems, Impact resistance 0.1 - 367 I/cm ² Mechanical Reinforcement | localisation systems, | Impact resistance | 0.1 - 450 dB | Mechanical Reinforcement |
| gates, manholes, Connections for Reinforced | gates, manholes, | impact resistance | 0,1 - 307 3 /cm | Connections for Reinforced |
| doors, windows, | doors, windows, | | | Concrete Structures. Test |
| gateways, bypass Methods. | gateways, bypass | | | Methods. |
| and safety devices, GOST R 57997-2017 | and safety devices, | | | GOST R 57997-2017 |
| welded parts and Welded Reinforcement and | embedded parts and | | | Welded Reinforcement and |
| Embedded Products, Welded | other elements), | | | Embedded Products, Welded |
| Reinforcement Connections and | inculating and | | | Reinforcement Connections and |
| leakage enclosures Embedded Products of | leakage enclosures | | | Embedded Products of |
| prestressing systems Reinforced Concrete Structures. | prestressing systems | | | Reinforced Concrete Structures. |
| as well as products General Technical Conditions; | as well as products | | | General Technical Conditions; |
| installed in STO SRO-S 605429600 00011- | installed in | | | STO SRO-S 605429600 00011- |

| 1 | 2 | 3 | 4 |
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| construction | | | Facilities using nuclear energy. |
| structures of leakage | | | Requirements for Mechanical |
| and localisation | | | Fittings of Reinforced Concrete |
| systems. | | | Structures during Construction |
| 4. Forged products. | | | and Design; |
| 5. Sheet metal | | | GOST 9454-78 |
| plates. | | | Metals. Impact Bend Test |
| 6. Long rolling | | | Method at Low, Ambient and |
| products. | | | High Temperatures; |
| 7. Casting. | | | GOST 4543-2016 |
| 8. Connectors. | | | Metal Products from Structural |
| 9. Shaped parts. | | | Alloy Steel. Technical |
| 10. Stemmed parts. | | | Conditions; |
| 11. Profiler. | | | GOST 30456-97 Metal Products, |
| 12. Rolled profile. | | | Rolled Sheet and Steel Pipes. |
| 13. Reinforcement | | | Impact Bending Test Methods; |
| bars for reinforced | | | NEKN G-7-002-86 |
| concrete structures. | | | Strength calculation norms for |
| 14. Wire. | | | equipment and pipelines of |
| 15. Welded joints, | | | nuclear power plants |
| surfacing from steels | | | (Appendix 2, m. 5) |
| of various grades: | Tensile resistance at | Between 10 - 70 | GOST 19040-81 |
| - Alloy and high | high temperatures | kgs/mm2 | Metal Pipes. Tensile Test |
| alloy steels; | Fluidity limit at high | Between 10 - 40 | Methods at High Temperatures; |
| - Carbon steel and | temperatures | kgs/mm2 | |
| non-alloy cast iron; | Relative elongation | 5% to 40% | GOST 9651-84 |
| - Corrosion | after rupture at high | | Metals. Tensile test methods at |
| resistant, heat | temperatures | | high temperatures. |
| resistant, wear | Relative shrinkage after | 5% to 60% | |
| resistant steels and | rupture at high | | |
| alloys | temperatures | | |
| | bending angle | 10° to 180° | GOST 14019-2003 |
| | | | Metals. Bending Test Method. |
| | | | GOST 3728-78 |
| | | | Piping. Bending Test Method. |
| | Flattening Gap | From 0.2 mm to pipe | GOST 8695-75 |
| | | wall thickness | Piping. Flattening Test Method; |
| | crack size | 0,1 - 100 mm | |
| | Hardness value | 8 - 450 HB | GOST 9012-59 |
| | according to Brinell | | Metals. Hardness measurement |
| | | | according to Brinell; |
| | Hardness value | Between 20 - 100 HRC | GOST 9013-59 |
| | according to Rockwell | | Metals and Alloys. Hardness |
| | | | measurement according to |
| | | | Rockwell; |
| | Hardness value | 10 to 2000 HV | GOST 2999-75 |
| | according to Vickers | | Metals and Alloys. Hardness |
| | | | measurement according to |
| | | | V1ckers. |
| | Measurement of | 8 - 450 HB | and 1.2.1.02.019.1121-2016 |
| | Mechanical Properties | Between 20 - 100 HRC | Instructions. Determination of |
| | by Hardness | 10 to 2000 HV | Metal Mechanical Properties of |
| | Recalculation | | Nuclear Power Plant Equipment |

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| 1 | <u> </u> | 3 | 4 A 1' (11 1 D (' |
| | | | According to Hardness Properties |
| | | D. 10 1000 | by Non-Example Methods |
| | Temporary resistance | Between 10 - 1000 | GUST 6996-66 |
| | | N/mm2 | Welded Links. Methods of |
| | | (between 10 and 100 | Determining Mechanical |
| | | kgs/mm2) | Properties; |
| | Fluid limit (physical) | 10 to 850 N/mm2 (10 to | GOST 9454-78 |
| | | 85 kgs/mm2) | Metals. Impact Bend Test |
| | Relative elongation | 5% to 80% | Method at Low, Ambient and |
| | after rupture | | High Temperatures; |
| | Relative contraction | 5% to 90% | GUST 9651-84 |
| | after rupture | | Metals. Tensile test methods at |
| | Impact energy | 0.1 - 450 dB | high temperatures; |
| | Impact resistance | 0,1 - 367 J/cm ² | GOST RISO 4136-2019 |
| | bending angle | 10° to 180° | Destructive Testing on Welds of |
| | (bending until the | Presence/absence of | Metallic Materials. Tensile test |
| | specified bending angle | cracks | on specimens cut across the seam |
| | is reached) | Length of cracks | |
| | | (if any) | |
| | | from 0.1 to 100mm | |
| | Bending angle | Reached / not reached | |
| | (bending until the edges | Presence/absence of | |
| | are parallel) | cracks | |
| | , | Length of cracks | |
| | | (if any) | |
| | | from 0.1 to 100mm | |
| | Bending angle | Reached / not reached | |
| | (Rending until the | Presence/absence of | |
| | edges touch) | cracks | |
| | cuges touch) | L angth of argalia | |
| | | (if ony) | |
| | | (11 ally) | |
| | Elettening until the | The con is from 1 to 5 | |
| | riatening until the | The gap is from 1 to 5 | |
| | specified gap is reached | IIIII. | |
| | | Presence/absence of | |
| | | | |
| | | Length of cracks | |
| | | (11 any) | |
| Coomloss miner | Contant of family1 | $0.1 - \delta UIIIIII$ | EA LID 1 1 2 10 0100 2010 |
| Seamless pipes, | Content of ferrite phase | 0.1% to 20% | EA FIK 1.1.2.19.0199-2010 |
| Electric weided | Ferrite number | 0% to 120% | Content in Deposition Matel of |
| pipes, Ordinary | | | Wolding and Surface Costing |
| metal, Forged | | | Welding and Surface Coating |
| products, Sneet | | | Materials, Common Metal, |
| Inetal, Sneet metal, | | | weiding Joints of Austenitic |
| Long rolling | | | Statilies Steels, Anti-Corrosion |
| Fosteners Changel | | | Coaung of INPP Equipment and |
| rasieners, Snaped | | | COST D 52686 2000 |
| parts, Bodied parts, | | | GUST K 33080-2009 |
| weiden joints, | | | Dhase Content in Wald Metal of |
| Surface coatings | | | Phase Content in Weld Metal of |
| from steels of | | | Austenitic and BI-Phase Ferrite- |
| various grades (alloy | | | Austenitic Chromium-Nickel |

| 1 | 2 | 3 | 4 |
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| and high allow stools | 2 | 5 | Correction Posistant Staals |
| and high anoy steels, | | | PMD 2720 200 08 2002 |
| unalloyed cast iron | | | NVID 2750.500.08-2005 |
| corrosion resistant | | | Content in Austenitic Grade |
| boot registent weer | | | Chromium Niekel Steels by |
| neat resistant, wear | | | Magnetic Method |
| resistant steels and | | | COST 11979 CC |
| anoys) | | | GOST 11878-00 |
| | | | Austennuc steer. Determination |
| | | | Methods of Ferrite Phase Content |
| | • • • | 1 + 10 + + | In Rods; |
| | microstructure | I to 10 points | GOST 8233-56 |
| | | | Steel. Microstructure etalons. |
| | Striping | 0 to 5 points | GOST 5640-2020 |
| | Widmanstatten | 0 to 5 points | Steel. Metallographic Method for |
| | orientation | | Evaluating the Microstructure of |
| | | | Sheets and Strips |
| | Contamination with | 0 to 5 points | GOST 1778-70 |
| | non-metallic inclusions | | Steel. Metallographic Methods |
| | | | for the Determination of Non- |
| | | | Metallic Inclusions |
| | Grain size: | | GOST 5939-82 |
| | - main scale; | 1 to 10 numbers | Steel and Alloys. Particle Size |
| | - additional scale 1 to | 7 to 14 numbers | Detection and Determination |
| | determine the fine grain | | Methods |
| | size: | | |
| | - additional scale 2 to | -3 to 2 numbers | |
| | determine the large | | |
| | grain size: | | |
| | macro structure | The presence/absence | GOST 10243-75 |
| | | of cracks non-welded | Steel Macro Structure Test and |
| | | areas | Evaluation Method: |
| | Size of inclusions and | 0.2 - 6 mm | and $1 \ 1 \ 3 \ 17 \ 1692-2020$ |
| | deposits | 0.2 - 0 mm | Instructions Metallographic |
| | Distance between env | 0.2 50mm | Control of Metal Condition of |
| | inclusions and | 0.2 - 3011111 | Equipment and Pipelines in |
| | inclusions and | | Nuclear Power Plants |
| | | 0.2 10 | CD ik 0282 2005 |
| | Sum of the size of | 0.2 - 18mm | Unstruction on Matallographic |
| | inclusions and | | Control of Metal Condition of |
| | accumulations | | Equipment and Dipelines in |
| | | | Nuclear Dower Diente |
| | Dende of the | | Nuclear Fower Flams. |
| | Depth of the | Decarbonised / non- | UUSI 1/03-08 Steel Methods for Determining |
| | decarbonised layer (by | decardonised | Steel. Methods for Determining |
| | measuring nardness or | | L sucre |
| | micronardness) | | Layer; |
| | Resistance to | Resistant / not resistant | GOST 6032-2017 |
| | intergranular corrosion | | Corrosion Resistant Steels and |
| | | | Alloys Test Methods for |
| | | | Resistance to Intergranular |
| | | | Corrosion; |
| Steels and Alloys, | Silicon | 0.05% - 7.0 m.d. | GOST 28033-89 |
| Welded Joints | | between | Steel. X-ray Fluorescence |
| | Titanium | 0.01% to 5.0 m.d. | Analysis Method; |

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|----------------------|------------|------------------------|---------------------------------|
| | Vanadium | 0.01% to 5.0 m.d. | ÇD 27.18.05.71-2010 |
| | Chromium | 0.05% to 35.0 m.d. | Steels and Alloys of NGS |
| | Manganese | 0.05% to 20.0 m.d. | Pipelines and Equipment |
| | Cobalt | 0.05% to 20.0 | Elements Determination of |
| | Nickel | 0.05% to 45.0 m.d. | chemical composition by atomic |
| | Copper | 0.01% to 5.0 m.d. | emission spectral analysis |
| | Niobium | 0.01% to 2.0 m.d. | 1 |
| | Molibden | 0.05% to 10.0 m.d. | |
| | Tungsten | 0.05% to 20.0 | 1 |
| | Carbon | 0.002% to 3.0 m.d. | GOST R 54153-2010 |
| | Sulfur | 0.001% to 0.2 m.d. | Steel. Atomic Emission Spectral |
| | Phosphorus | 0.001% to 0.2 m.d. | Analysis Method; |
| | Silicon | 0.002% to 5.0 m.d. | 1 |
| | Manganese | 0.0005% to 35.0 m.d. | 1 |
| | Chromium | 0.001% to 35.0 m.d. | GOST 18895-97 |
| | Nickel | 0.001% to 45.0 m.d. | Steel. Photoelectric Spectral |
| | Vanadium | 0.001% to 10.0 m.d. | Analysis Method. |
| | Cobalt | 0.0005 to 20.0 m d | |
| | Copper | 0.0009 to 20.0 m.d. | - |
| | Aluminum | 0.001% to 10.0 m d | - |
| | Arsenic | 0.001% to 0.5 m d | - |
| | Molibden | 0.0002% to 10.0 m d | |
| | Tungsten | 0.002% to 20.0 m d | - |
| | Vanadium | 0.002% to 20.0 m.d. | - |
| | Titanium | 0.001% to 5.0 m d | - |
| | Niobium | 0.001% to 3.0 m.d. | |
| | Zirconium | 0.001% to 0.5 m d | - |
| | Lead | 0.001% to 0.5 m.d. | - |
| | Tin | 0.001% to 0.3 m.d. | - |
| | 7 inc | 0.0003% to 0.25 m.d. | 4 |
| | Antimony | 0.001% to 0.05 m.d. | - |
| | Rismuth | 0.001% to 0.05 m.d. | 4 |
| | Nitrogen | 0.001% to 0.05 m.d. | 4 |
| | Magnesium | 0.001% to 0.003 m.d. | 4 |
| | Niobium | 0.001% to 3.0 m d | CD ik 0669-2006 |
| | | 0.001% to 3.0 m.d. | Steels and Allovs of Pipelines |
| | Tungsten | 0.001% to 10.0 m.d. | and Equipment Elements of |
| | Lead | 0.002% to 30.0 m.d. | Nuclear Power Plants. |
| | Chromium | 10.0% to 27.0 m d | Determination of chemical |
| | Nickel | 10.0% to 38.0 m d | composition by atomic emission |
| | Manganasa | 5.0% to 8.0 m d | spectral analysis |
| | Molibden | 5.0% to 7.0 m d | |
| | Copper | 1.0% to 2.5 m d | - |
| | Silicon | 2.0% = 6.0 m d | 4 |
| Base metal of NCT | Thickness | 2.070 - 0.0 III.u. | GOST R 50.05.03.2019 |
| equipment and | THICKIESS | 0.0 - 000011111 | Conformity Assessment System |
| pipelines classified | | | in the Field of Nuclear Power |
| and unclassified | | | Utilisation Conformity |
| according to NP-001 | | | Assessment in the Form of |
| | | | Inspection. Combined Methods. |
| | | | Thickness Measurement and |

| - | • | 2 | |
|----------------------|----------------------------------|---------------------------|--|
| 1 | 2 | 3 | 4 |
| | | | Ultrasonic Control of |
| | | | Monometals, Bimetals and Anti- |
| | | | Corrosion Coatings |
| | | | NEKN G-7-031-91 Uniform |
| | | | Control Methods for the |
| | | | Inspection of Welding Joints and |
| | | | Coatings of Base Material (Semi- |
| | | | Finished Product), Equipment |
| | | | and NGT Pipelines. Ultrasonic |
| | | | control. Part III. Thickness |
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| | | | bimetals and anti-corrosion |
| | | | coatings; |
| | | | ITTSYa.401171.003D |
| | | | (Tadil No:1) |
| | | | Methodology of Measuring Wall |
| | | | Thickness of Pipelines of |
| | | | Nuclear Power Plants Using |
| | | | Electromagnetic and Acoustic |
| | | | Thickness Gauges |
| Base metal, welded | Defects detected during | Does not leak / leaks | SDOS-07-2012 |
| joints of technical | leak testing and their | | Methodical Instructions for the |
| structures | location | | Procedure of Monitoring the |
| | | | Impermeability of Technical |
| | | | Devices and Structures Used and |
| | | | Operated in Hazardous |
| | | | Production Facilities (m. 6.5.3, |
| | | | 7.2.2) |
| Base metal, welded | Tightness | Presence / absence of | GOST R 50.05.01-2018 |
| joints and surface | | gas bubbles | Conformity Assessment in the |
| coatings of NGT | | Pressure measurement | Form of Inspection for |
| equipment and | | Between 5.10-11 - | Conformity Assessment System |
| pipelines classified | | <u>5·10-10 м3 Pa/s</u> | in the Field of Nuclear Power |
| and unclassified | | Presence/absence of | Utilisation Combined Methods. |
| according to NP-001 | | penetrating liquid stains | Leakage Control; |
| | | on chalk coating | NEKN G-7-019-89 Uniform |
| | | | Control Methods for the |
| | | | Inspection of weiging Joints and |
| | | | Coatings of Base Material (Semi- |
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| | Equivalent area of | 1.0 to /0.0 mm2 | Conformity Assessment Sustan |
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| Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Visual and Measurement Control; GOST R 50.05.09-2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. Penetrant Control; NEKN G-7-018-89 Security guide. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi-Finished Product), Equipment and NGT Pipelines. Penetrant Control; RB-090-14 Guide to Safety During the Use of Nuclear Power. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Control Methods for the |
| Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Visual and Measurement Control; GOST R 50.05.09-2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. Penetrant Control; NEKN G-7-018-89 Security guide. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi-Finished Product), Equipment and NGT Pipelines. Penetrant Control; RB-090-14 Guide to Safety During the Use of Nuclear Power. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control Sensement System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Inspection of Welding Joints and |
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| and NGT Pipelines. Visual and Measurement Control; GOST R 50.05.09-2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. Penetrant Control; NEKN G-7-018-89 Security guide. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi-Finished Product), Equipment and NGT Pipelines. Penetrant Control; RB-090-14 Guide to Safety During the Use of Nuclear Power. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Finished Product) Equipment |
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| Pipelines. Penetrant Control; RB-090-14 Guide to Safety During the Use of Nuclear Power. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Broduct) Equipment and NGT |
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| of the to safety build the ose of Nuclear Power. Uniform Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Cuida to Safaty During the Use |
| Control Methods for the Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | of Nuclear Power Uniform |
| Inspection of Welding Joints and Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Control Matheds for the |
| Coatings of Base Material (Semi- Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Longraphic of Walding Joints and |
| Finished Product), Equipment and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Costings of Pass Material (Somi |
| and NGT Pipelines. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Einished Product) Equipment |
| and NOT Pipennes. Penetrant Control; GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | and NCT Dinalinas, Depatront |
| GOST R 50.05.06-2018 2018 Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Control: |
| Conformity Assessment in the Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | CONT P 50 05 06 2019 2019 |
| Form of Inspection for Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Conformity Assessment in the |
| Conformity Assessment System in the Field of Nuclear Power Utilisation Combined Methods. | | | | Eorm of Inspection for |
| in the Field of Nuclear Power Utilisation Combined Methods. | | | | Conformity Associate System |
| Utilisation Combined Methods. | | | | in the Field of Nuclear Dower |
| Othisation Combined Methods. | | | | In the Field of Nuclear Power |
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| Magnetic particle inspection. | | | | NERN C 7 015 20 |

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| | | | Security guide. Uniform Control |
| | | | Methods for the Inspection of |
| | | | Welding Joints and Coatings of |
| | | | Base Material (Semi-Finished |
| | | | Product), Equipment and NGT |
| | | | Pipelines. Magnetic particle |
| | | | inspection. |
| Surface of parts to be | Non-compliance of the | | GOST R 50.05.08-2018 |
| joined and edges of | shape and dimensions | | Conformity Assessment in the |
| welded joints made | of the welded joint / | | Form of Inspection for |
| in preparation for | sheathing with the | | Conformity Assessment System |
| welding of | established | | in the Field of Nuclear Power |
| equipment of NGT | requirements: | | Utilisation Visual and |
| technological | - edge bevel angle; | 0° to 45° | Measurement Control; |
| systems and | - Edge cut; | 0.1 - 5.0 mm | PNAE G-7-016-89 Uniform |
| pipelines, classified | - Edge cut offset, offset | 0.3 - 5.0 mm | Inspection Methods for the |
| and unclassified | of edges to be joined; | | Inspection of Weld Joints and |
| according to NP-001 | - Connection gap; | 0.3 - 4.0mm | Coatings of Base Material (Semi- |
| C C | - weld joint width, | 0.1 to 50mm | Finished Product), Equipment |
| | reinforcing coating | | and NGT Pipelines Visual and |
| | height, corner weld leg | | Measurement Inspection; |
| | | | GOST 2789-73 |
| | | | Surface roughness. Parameters |
| | | | and characteristics; |
| | | | KSD 9701105632-003-2021 |
| | | | Instruction on Measurement and |
| | | | Visual Inspection |
| The surface of | Non-compliance of the | | GOST R 50.05.08-2018 |
| welded joints, anti- | shape and dimensions | | Conformity Assessment in the |
| corrosion coatings, | of the welded joint / | | Form of Inspection for |
| reinforcing coatings | sheathing with the | | Conformity Assessment System |
| of equipment and | established | | in the Field of Nuclear Power |
| pipelines of NGT | requirements: | | Utilisation Visual and |
| technological | - size of surface | 0.1 to 5mm | Measurement Control; |
| systems classified | inclusions, pores (single | | NEKN G-7-016-89 |
| and unclassified | and accumulated); | | Uniform Control Methods for the |
| according to NP-001 | | | Inspection of Welding Joints and |
| | - slipping of the edges | 0.1 to 10.0 mm | Coatings of Base Material (Semi- |
| | of butt welded joints | | Finished Product), Equipment |
| | past the inner and outer | | and NGT Pipelines. Visual and |
| | surfaces; | | Measurement Control; |
| | - the height (depth) of | 0.1 to 3.0mm | KSD 9701105632-003-2021 |
| | the recesses between | | Instruction on Visual and |
| | the lips and the plow of | | Measurement Control; |
| | the surface of the weld | | GOST R 50.05.09-2018 |
| | joint | | Conformity Assessment in the |
| | | | Form of Inspection for |
| | | | Conformity Assessment System |
| | | | in the Field of Nuclear Power |
| | | | Utilisation Combined Methods. |
| | | | Penetrant Control; |
| | | | NEKN G-7-018-89 |
| | | | Security guide. Uniform Control |
| | | | Methods for the Inspection of |

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| | <u> </u> | 3 | 4 Walding Jaints and C. C. |
| | | | Welding Joints and Coatings of |
| | | | Base Material (Semi-Finished |
| | | | Product), Equipment and NGT |
| | | | Pipelines. Penetrant Control; |
| | | | GOST 18442-80 |
| | | | Non-Destructive Control. |
| | | | Penetrant Methods. General |
| | | | Requirements |
| The surface of | Non-compliance of the | | GOST R 50.05.08-2018 |
| casting hardware | shape and dimensions | | Conformity Assessment in the |
| equipment, elements, | of the welded joint / | | Form of Inspection for |
| products, fixtures | sheathing with the | | Conformity Assessment System |
| | established | | in the Field of Nuclear Power |
| | requirements: | | Utilisation Visual and |
| | - Dents; | 0.2 to 5.0mm | Measurement Control; |
| | - surface defect | 0.5 to 5.0 mm | NEKN G-7-016-89 |
| | | | Uniform Control Methods for the |
| | | | Inspection of Welding Joints and |
| | | | Coatings of Base Material (Semi- |
| | | | Finished Product), Equipment |
| | | | and NGT Pipelines. Visual and |
| | | | Measurement Control; |
| | | | NEKN G-7-025-90 |
| | | | Steel Casting Products For NGT. |
| | | | Control Rules; |
| | | | KSD 9701105632-003-2021 |
| | | | Instruction on Visual and |
| | | | Measurement Control; |
| | | | KSD 9701105632-003-2021 |
| | | | Instruction on Visual and |
| | | | Measurement Control; |
| | | | GOST R 50.05.17-2019 |
| | | | Conformity Assessment System |
| | | | in the Field of Nuclear Power |
| | | | Use Steel Casting Products for |
| | | | NGT equipment and pipelines. |
| | | | Control Rules; |
| | | | GOST R 50.05.09-2018 |
| | | | Conformity Assessment in the |
| | | | Form of Inspection for |
| | | | Conformity Assessment System |
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| | | | Utilisation Combined Methods. |
| | | | Penetrant Control; |
| | | | NEKN G-7-018-89 |
| | | | Security guide. Uniform Control |
| | | | Methods for the Inspection of |
| | | | Welding Joints and Coatings of |
| | | | Base Material (Semi-Finished |
| | | | Product), Equipment and NGT |
| | | | Pipelines. Penetrant Control |
| Molten metal surface | Non-compliance of the | | GOST R 50.05.08-2018 |
| of welded | shape and dimensions | | Conformity Assessment in the |
| connections of NPP | of the welded joint / | | Form of Inspection for |

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| safety localisation | sheathing with the | | Conformity Assessment System |
| systems | established | | in the Field of Nuclear Power |
| | requirements: | | Utilisation Visual and |
| | - size of surface | 0.1 to 3.0mm | Measurement Control; |
| | inclusions, pores (single | | NEKN G-7-016-89 |
| | and accumulated); | | Uniform Control Methods for the |
| | - cuts; | 0.1 to 1.0mm | Inspection of Welding Joints and |
| | - breakage in the axles | 0.1 to 3.0mm | Coatings of Base Material (Semi- |
| | of the connecting parts; | | Finished Product), Equipment |
| | - convexity (concavity) | 0.1 to 2.5 mm | and NGT Pipelines. Visual and |
| | of the root of the seam | | Measurement Control; |
| | from the inside; | | KSD 9701105632-003-2021 |
| | - the height (depth) of | 0.1 to 2.0 mm | Instruction on Measurement and |
| | the recesses between | | Visual Inspection |
| | the lips and the plow of | | |
| | the surface of the weld | | |
| | joint | | |
| Surface of Base | Non-compliance of the | | RB-089-14 |
| Metal and Welding | shape and dimensions | | Guide to Safety During the Use |
| Joints of Pressure | of the welded joint / | | of Nuclear Power. Uniform |
| Vessels for Nuclear | sheathing with the | | Control Methods for the |
| Energy Utilization | established | | Inspection of Welding Joints and |
| Facilities, | requirements: | | Coatings of Base Material (Semi- |
| | - ordinary metal cuts, | 0.1 - 5.0 mm | Finished Product), Equipment |
| | pores, slags and other | | and NGT Pipelines. Visual and |
| | inclusions | | Measurement Control; |
| | | | GOST R 50.05.08-2018 |
| | | | Conformity Assessment in the |
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| | | | in the Field of Nuclear Power |
| | | | Utilisation Visual and metric |
| | | | control |
| Surface of Ordinary | Non-compliance of the | | NEKN G-7-016-89 |
| Metal and Welding | shape and dimensions | | Uniform Control Methods for the |
| Connections of | of the welded joint / | | Inspection of Welding Joints and |
| Steam and Hot | sheathing with the | | Coatings of Base Material (Semi- |
| Water Pipelines for | established | | Finished Product), Equipment |
| Nuclear Power | requirements: | 0.5 - 10.0 | and NGT Pipelines. Visual and |
| Utilisation Plants, | - depth of mechanical | 0.5 to 10.0 mm | Measurement Control; |
| | damage (dents, | | KSD 9701105632-003-2021 |
| | indentations, etc.); | 0.5 (10.0 | Instruction on Measurement and |
| | - deviations in the | 0.5 to 10.0 mm | Visual Inspection |
| | diameter and ovality of | | |
| | the cross section of the | | |
| | pipe elements; | 0.5 (. 10.0 | |
| | - Displacement | 0.5 to 10.0 mm | |
| | (mismatch) of the edges | | |
| | of the welded elements | | |
| | (parts) from the outer | | |
| | part of the weld seam; | 0.5 (. 10.0 | |
| | - Displacement | 0.5 to 10.0 mm | |
| | (mismatch) of the | | |
| | element (part) from the | | |

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| Daga matal1.da -1 | Amplitude of the east - | 1 to 110 JD | NEVN C 7 014 90 |
| base metal, welded | Amplitude of the echo | 1 to 110 dB | NEKN G-7-014-89 |
| coatings of NGT | signal, A | | Inspection of Welding Joints and |
| coatings of NOT | | | Coatings of Main Material |
| pipalines classified | | | (Sami Finishad Product) |
| and unclassified | | | Equipment and Pipelines of |
| according to NP-001 | | | Nuclear Power Plants Ultrasonic |
| | | | control Control of main |
| | | | materials (semi-finished |
| | | | products). |
| | Equivalent area of | $1 \text{ to } 70.0 \text{ mm}^2$ | |
| | defects S and | 1 to 70.0 mm2 | NEKN G-7-030-91 |
| | Coordinates nominal | 2 - 1500 mm | Uniform Control Methods of |
| | length nominal height | 2 - 1500 mm | Inspection of Welding Joints and |
| | $(x + 1 + b_{1})$ | | Coatings of Main Material |
| | (X, II, I, IIy) | | (Semi-Finished Product). |
| | | | Equipment and Pipelines of |
| | | | Nuclear Power Plants Ultrasonic |
| | | | control. 7 Part II Control of |
| | | | Welded Joints and Coatings; |
| | | | NEKN G-7-031-89 |
| | | | Uniform Control Methods for the |
| | | | Inspection of Welding Joints and |
| | | | Coatings of Base Material (Semi- |
| | | | Finished Product), Equipment |
| | | | and NGT Pipelines. Ultrasonic |
| | | | control. Part III. Thickness |
| | | | measurement of monometals, |
| | | | bimetals and anti-corrosion |
| | | | coatings; |
| | | | GOST R 50.05.05-2018 |
| | | | Conformity Assessment in the |
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| | | | Conformity Assessment System |
| | | | in the Field of Nuclear Power |
| | | | Utilisation Combined Methods. |
| | | | Ultrasonic Control of Main |
| | | | Materials (Semi-Finished |
| | | | Products); |
| | | | GOST R 50.05.02-2018 |
| | | | Conformity Assessment in the |
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| | | | Conformity Assessment System |
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| | | | Utilisation Combined Methods. |
| | | | Loints and Alloyed Surfaces |
| | | | Joints and Alloyed Surfaces; |
| | | | Non Destructive Control |
| | | | Welded Links Ultraconic |
| | | | wenged Links. Ultrasonic |
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| joints and surface | defect. | | Non-Destructive Control |
| Joints and suitate | ucicci, | 1 | |

| 1 | 2 | 3 | 4 |
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| coatings of NGT | - removal of non- | 0.1 - 5.0 mm | Welded Links. Radiographic |
| equipment and | welded areas, pores, | | method; |
| pipelines classified | inclusions, etc. length, | | GOST 23055-78 |
| and unclassified | width; | | Non-Destructive Control. Alloy |
| according to NP-001 | - total length of pores, | 0.2 - 90.0 mm | Welding of Metals. Classification |
| C | inclusions; | | of Welded Joints According to |
| | - length of cracks | 0.1 to 700 mm | Radiographic Control Results. |
| | - | | GOST R 50.05.07-2018 |
| | | | Conformity Assessment System |
| | | | in the Field of Nuclear Power |
| | | | Utilisation Conformity |
| | | | Assessment in the Form of Audit. |
| | | | Combined Methods. |
| | | | Radiographic Control; |
| | | | NEKN G-7-017-89 |
| | | | Uniform Control Methods for the |
| | | | Inspection of Welding Joints and |
| | | | Coatings of Base Material (Semi- |
| | | | Finished Product), Equipment |
| | | | and NGT Pipelines. |
| | | | Radiographic Control |
| Welded | Non-compliance of the | | GOST R 57997-2017 |
| Reinforcement and | shape and dimensions | | Welded Reinforcement and |
| Embedded Products | of the welded joint / | | Embedded Products, Welded |
| (Seams), Welded | sheathing with the | | Reinforcement Connections and |
| Reinforcement | established | | Embedded Products of |
| Connections and | requirements: | | Reinforced Concrete Structures. |
| Embedded Products | - ordinary metal cuts, | 0.1 to 5.0 mm | General Technical Conditions; |
| of Reinforced | pores, slags and other | | GOST 10922-2012 |
| Concrete Structures. | inclusions | | Welded Reinforcement and |
| Metal constructions | - depth of surface | 0.1 to 3.0mm | Embedding Products, |
| | coating metal shrinkage | | Mechanical, Welding and |
| | dents; | | Knitted Connections for |
| | - Amplitude difference | 0 to 20 dB | Reinforced Concrete Structures. |
| | of the echo signal | | General Technical Conditions; |
| | | | GOST 14098-91 |
| | | | Welding Joints of Welded |
| | | | Reinforcement and Embedded |
| | | | Products of Reinforced Concrete |
| | | | Structures. Type, Structure and |
| | | | Dimensions; |
| | | | GOST 23858-2019 |
| | | | Welded Connections of |
| | | | Reinforced Concrete Structures, |
| | | | Butt Connection Parts. |
| | | | Ultrasound quality control |
| | | | methods. Admission Rules |