

**“fields of technical hazard”  
(welding only with certificate)**

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| <p>lifting and transportation facilities</p> | <ol style="list-style-type: none"> <li>1. cranes</li> <li>2. moveable pipe layer (cranes)</li> <li>3. handling facilities</li> <li>4. lift</li> <li>5. lifting blocks</li> <li>6. winches</li> <li>7. bearing pressure facilities</li> <li>8. elevators</li> <li>9. escalators</li> <li>10. cablecars, their components, machines and single parts</li> <li>11. chains for lifting and conveyer facilities</li> <li>12. builder's hoists</li> <li>13. treadmill</li> <li>14. metal constructions for lifting and transportation facilities</li> </ol> |
| <p>equipment for boiler plants</p>           | <ol style="list-style-type: none"> <li>1. steam boiler for steam pressures above 0,07 MPa; hot water boiler for temperatures above 115°C</li> <li>2. steam pipe lines and hot water pipe lines for steam pressures above 0,07 MPa and water temperatures above 115°C</li> <li>3. pressure vessels for pressures above 0,07 MPa</li> <li>4. fittings and safety facilities</li> </ol>  |
| <p>equipment for gas plants</p>              | <ol style="list-style-type: none"> <li>1. pipe lines for systems of intern gas supply</li> <li>2. outside gas pipeworks for low, middle and high pressure, from steel and non-ferrous metals</li> <li>3. gas facilities for steam boiler, technological lines and aggregates</li> <li>4. gas burner facilities</li> <li>5. capacitive end heater for running water</li> <li>6. apparats and stoves</li> <li>7. fittings made of metal, safety facilities</li> </ol>   |

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| <p>equipment for natural oil and gas conveying machinery</p> | <ol style="list-style-type: none"> <li>1. industrial used pipelines for oil products as well as oil pump stations, which are assuring the transport of oil and oil products during production, reconstruction and general overhaul</li> <li>2. industrial used pipelines for oil products as well as oil pump stations, which are assuring the transport of oil and oil products during production, reconstruction and general overhaul at continuous conveying</li> <li>3. industrial used gas pipeworks and pipelines for condensates, the transport of goods, driving/ propulsion gas, fuel gas and starting gas concerning gas reprocessing plants, compressor stations, decompression facilities, facilities for subterraneous storage of gases, gas distributor stations, components for measuring of flow rates and pressure-reducing devices</li> <li>4. pipelines for all m cases mentioned in point 3) except: pipelines for transport of natural gas and oil as well as oil products</li> <li>5. tanks for the storage of natural oil and oil products as well as gasometer in new development and repair</li> <li>6. sea pipelines, components of horizontal stiffness, pipelines at drilling rigs, welded bases of drilling rigs: in new development, reconstruction and repair</li> <li>7. special objects of natural oil and gas industry under the condition of new development and repair (working parameters, albeit the valid standard)</li> <li>8. isolation valves in the field of production and repair under plant conditions</li> <li>9. parts of pipelines in the field of production and repair under plant conditions</li> <li>10. pumps, compressors and other facilities during production and repair under plant conditions</li> <li>11. pipes for the transport of natural oil and natural gas in production and repair under plant conditions</li> <li>12. facilities for natural oil and gas conveying machinery</li> <li>13. pipelines of compressor stations automatically filled with gas</li> </ol> |
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| <p>equipment for metallurgical industry</p>   | <ol style="list-style-type: none"> <li>1. furnace facilities, cocking plants, molten steel facilities</li> <li>2. technological facilities and pipes for die ferrous and non-ferrous metal metallurgy</li> <li>3. technical facilities for the production of ferrous and non-ferrous metals and their alloys</li> <li>4. machines for casting of steel and non-ferrous metal</li> <li>5. tube mill trains</li> <li>6. block mill, billet mill, profile steel mill, plate mill</li> </ol>   |
| <p>equipment for chemical, oil-chemical, natural oil manufacturing industry, explosive and combustible industry</p> | <ol style="list-style-type: none"> <li>1. facilities of chemical, oil-chemical, natural oil manufacturing industry, which are working under pressure up to 16 N/mm<sup>2</sup></li> <li>2. facilities of chemical, oil-chemical, natural oil manufacturing industry, which are working under pressure more than 16 N/mm<sup>2</sup></li> <li>3. facilities of chemical, oil-chemical, natural oil manufacturing industry, which are working under vacuum</li> <li>4. tanks for storage of explosive and combustible as well as toxic materials</li> <li>5. isothermal storage spaces</li> <li>6. cryogen facilities</li> <li>7. ammoniac cooling facilities</li> <li>8. stoves</li> <li>9. compressor and pumps facilities</li> <li>10. centrifugal, precipitator</li> <li>11. cisterns, container (tuns), balloons for explosive and combustible as well as toxic goods/ substances</li> <li>12. energy-technical boiler</li> <li>13. boiler for organic high temperature heat carrier</li> <li>14. pipe fittings and safety facilities</li> <li>15. technical pipes and their parts</li> </ol> |
| <p>mining facilities</p>  | <ol style="list-style-type: none"> <li>1. technical facilities in mining and in mining processing industry</li> <li>2. other subterranean facilities</li> </ol>  |
| <p>facilities for transportation of dangerous goods</p>   | <ol style="list-style-type: none"> <li>1. special container and packaging means for transport dangerous goods and construction materials</li> <li>2. cisterns</li> <li>3. stands/ base frames</li> </ol>   |

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| structural designs | <ol style="list-style-type: none"><li>1. metal structures</li><li>2. fittings, reinforcements and inlays of structures made of ferroconcrete</li><li>3. metal piping</li><li>4. structures and piping made of plastics</li></ol>   |
| steel bridges      | <ol style="list-style-type: none"><li>1. metal structures, girder/ superstructures, stilts and pylons of steel bridges in manufacturing under plant conditions</li><li>2. metal structures, girder/ superstructures, stilts and pylons of steel bridges in montage, welding and repair under assembling conditions</li></ol> |