

Product Group Classification InnoTrans 2008

(from A-Z)

Railway Technology

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| <ul style="list-style-type: none"> 1. Railbound vehicles for public and freight transport 1.1 <u>Public transport rail cars</u> 1.1.1 Local and regional public transport rail cars 1.1.2 Long distance public transport rail cars 1.1.3 Motor units and motor coaches 1.2 <u>Freight cars</u> 1.2.1 Covered wagons 1.2.3 Flat wagons 1.2.2 Loading Units 1.2.5 Other Standard-type rail cars 1.2.4 Self-discharging wagons 1.2.6 Special-purpose rail cars 1.2.7 Tank wagons 1.3 <u>Locomotives</u> 1.4 <u>Magnetic levitation trains</u> 1.5 <u>Narrow-gauge railway vehicles</u> 1.6 <u>Special-purpose cars</u> 1.7 <u>Rack railway-train</u> 1.8 <u>Other</u> 2. Streetbound vehicles for public and freight transport 2.1 <u>Intermodal transport vehicles</u> 2.2 <u>Local and regional busses</u> 2.3 <u>Other</u> 3. Subassemblies and components 3.1 <u>Driving gear</u> 3.1.3 Automatic motor oil refilling systems 3.1.2 Driving systems and electronics 3.1.15 Engine preheaters 3.1.1 Exhaust gas silencer 3.1.8 Generators 3.1.10 Hydraulic drive systems for railway vehicles 3.1.11 Motors / Engines 3.1.12 Pneumatic material 3.1.14 System Technology 3.1.4 Traction motor housing 3.1.5 Traction motor ventilation 3.1.6 Traction motors 3.1.9 Transmissions 3.1.7 Vehicle lubrication 3.1.13 Wheelset gear sets 3.2 <u>Energy / Electrical</u> 3.2.1 Automation technology | <ul style="list-style-type: none"> 3.2.3 Batteries 3.2.25 Battery chargers 3.2.2 Battery holders 3.2.4 Battery isolators 3.2.23 Cable protection 3.2.22 Cables and lines 3.2.24 Cassettes 3.2.26 Charging rectifiers 3.2.28 Circuit boards 3.2.9 Compressed air supply 3.2.40 Connectors 3.2.41 Control components 3.2.42 Control cubicles 3.2.29 Control systems 3.2.51 Converters 3.2.43 Current collectors 3.2.45 Current transformers 3.2.7 DC/DC converters 3.2.8 Diagnosing equipment 3.2.16 Driver panels 3.2.15 Earthing contacts 3.2.11 Electromechanical components 3.2.14 Energy meter 3.2.12 Energy storage 3.2.13 Energy supply systems 3.2.18 Field bus components 3.2.19 Floodlights keyboards 3.2.38 Fuses and Accessories 3.2.21 Handheld lamps 3.2.50 Interconnection systems 3.2.49 Inverters 3.2.17 Master controller 3.2.36 Metal contacts 3.2.6 Operating and control panels 3.2.48 Overvoltage safety systems 3.2.47 Pantographs 3.2.44 Power generating sets 3.2.27 Power switches and switchgear 3.2.10 Pressure measuring equipment 3.2.31 Registration and display systems 3.2.33 Relays 3.2.52 Resistances 3.2.32 Series terminals 3.2.39 Special-purpose electric machines 3.2.37 Switch cabinets and accessories 3.2.35 Switches 3.2.34 Switching gear 3.2.30 Tilting systems 3.2.46 Traction current converters & control systems 3.2.5 Ventilation/evacuation systems | <ul style="list-style-type: none"> 3.2.20 Volume content measurement equipment 3.3 <u>Vehicle components</u> 3.3.5 Acoustics systems 3.3.51 Air filter 3.3.39 Air-air systems 3.3.89 Antifricition bearings 3.3.6 Armature 3.3.31 Articulations 3.3.4 Axle guard sidebearer guides 3.3.3 Axle guard sidebearer liners 3.3.44 Ball bearings 3.3.49 Bearing housings 3.3.20 Bogie pivot centre plates 3.3.19 Bogies 3.3.15 Brake disks 3.3.14 Brake linings 3.3.16 Braking systems 3.3.55 Buffer 3.3.43 Capacitors 3.3.88 Car bodies 3.3.40 Carbon brushes 3.3.41 Carbon strips 3.3.34 Cardan shafts 3.3.30 Casing systems 3.3.36 Cast metal wheels 3.3.29 Clevis guides 3.3.21 Compressed air technology 3.3.42 Compressors 3.3.83 Connection systems 3.3.45 Cooling systems 3.3.93 Coupler carriers 3.3.46 Couplers 3.3.48 Coupling adaptors 3.3.47 Couplings 3.3.79 Door controls 3.3.77 Door furniture 3.3.78 Door opener push buttons 3.3.80 Door systems 3.3.1 Exhaust filtering systems 3.3.2 Exhaust silencer 3.3.8 Exterior claddings 3.3.7 Exterior parts 3.3.11 Fastening systems 3.3.73 Flexible shunt assemblies 3.3.35 Friction bearings 3.3.59 Friction pads for railway vehicles 3.3.17 Front fairings 3.3.81 Gangway installations 3.3.18 Gaskets 3.3.85 Glazing systems |
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3.3.87	Haunch, air-air and flow sections	3.4.22	Materials for lightweight and sandwich construction	4.4.1	Railway application testing
3.3.37	Heating systems	3.4.12	Melamine resin foam	4.4.11	Reconstruction
3.3.63	Hoses	3.4.10	Plastics	4.4.12	Service enterprise shop practise
3.3.53	Impact protection modules	3.4.16	Protective films	4.4.8	Services
3.3.38	Integrated subassemblies	3.4.5	Rubber moulded articles	4.4.9	Systems analysis
3.3.33	Joint rod sockets	3.4.6	Rubber-metal connections	4.4.10	Transport of railway vehicles
3.3.12	Lighting systems	3.4.3	Sealing materials	4.5	<u>Other</u>
3.3.86	Locking technology and systems	3.4.11	Sound insulation materials	Interiors	
3.3.64	Locks and fittings	3.4.17	Special light-weight insulating materials	5.	Railway Interiors
3.3.65	Lubricating systems	3.4.18	Steel produces	5.1	Adjusted for handicapped use
3.3.24	Passenger counting systems	3.4.9	Structural foams	5.17	Air-conditioning systems
3.3.50	Profiles for lighting sittings	3.4.19	Textiles	5.3	Anti-pinch systems
3.3.92	Push/pull devices	3.4.13	Upholstery materials	5.16	cabin air ventilation/ - climatisation
3.3.56	Radar technology	3.4.21	Water varnish	5.29	Detrainment systems
3.3.28	Radio remote control systems	3.5	<u>Other</u>	5.5	Driver consoles
3.3.62	Rail brakes	4.	Service for vehicles	5.7	Fans for railway components
3.3.9	Rail hydraulic systems	4.1	<u>Maintenance</u>	5.4	fire protection isolation
3.3.23	Rail tyres	4.1.1	Exhaust systems	5.2	Floor coverings
3.3.90	Rectifier inverters	4.1.4	Bogie testing plants	5.6	Flooring systems
3.3.60	Rescue tools	4.1.15	Category of maintenance	5.25	Food dispensing
3.3.91	Resistance thermometers	4.1.5	Corner force measuring equipment	5.28	Food/beverage vending machines
3.3.32	Rocker bearings	4.1.6	Disposal systems	5.10	Hand-held lamps
3.3.54	Sections	4.1.16	Foils/films	5.11	Information- and advertising systems
3.3.69	Self-locking nuts	4.1.9	Inspection devices and systems	5.15	Installation equipment
3.3.68	Sensors	4.1.8	Lifting devices for tracked vehicles	5.12	Interior design systems
3.3.72	Shock absorbers	4.1.18	Maintenance machines	5.13	Interior furnishings
3.3.61	Sooty particle filters	4.1.11	Measuring equipment and systems	5.14	Interior lining
3.3.70	Special sections for rail car construction	4.1.7	Replacement parts	5.18	Kitchen equipment
3.3.26	Springs/Spring systems	4.1.2	Re-railing equipment and systems	5.20	Lamps for rail cars
3.3.66	Storage compartment (below the wagon)	4.1.3	Sand filling systems	5.8	Luggage racks
3.3.10	Subassembly supports	4.1.17	Testing devices and systems	5.19	Refrigeration and counter systems
3.3.74	Testing systems	4.1.10	Varnishing devices	5.21	Roller blind systems
3.3.75	Thermocouples	4.1.12	Wheel force measurement systems	5.22	Sanitary cubicles
3.3.22	Thrust collars for tramway bogies	4.1.14	Wheelset diagnostic systems	5.24	Seating systems
3.3.52	Tilting technology	4.1.13	Wheelset treatment	5.9	Stay bars
3.3.76	Toilet systems	4.1.19	Workshop equipment	5.27	Surveillance systems
3.3.82	Valves	4.2	<u>Cleaning</u>	5.26	Textiles
3.3.25	Vehicle cabins	4.2.2	Cleaning equipment/ technology	5.23	Upholstery systems
3.3.13	Ventilation systems	4.2.3	Special cleaning services	Railway Infrastructure	
3.3.67	Vibration absorbers	4.2.1	Vehicle wash systems	6.	Infrastructure / Railway Construction
3.3.71	Wheel flange lubrication systems	4.2.4	Waste-water-treatment	6.1	<u>Construction work</u>
3.3.58	Wheelset pumps	4.3	<u>Restoration</u>	6.1.3	Building construction
3.3.57	Wheelsets	4.3.2	Damage repair and management	6.1.11	Civil and underground engineering
3.3.27	Window systems	4.3.1	Expertises	6.1.4	Civil engineering and construction
3.3.84	Wiring systems	4.4	<u>Services</u>	6.1.6	Control and signalling technology
3.4	<u>Materials</u>	4.4.6	Coating	6.1.1	Electrical power systems
3.4.1	Bent components in aluminium/steel	4.4.3	Commissioning	6.1.5	Maintenance
3.4.8	Adhesives	4.4.2	Design	6.1.2	Overhead contact line
3.4.20	Composite materials	4.4.4	Maintenance management systems	6.1.8	Permanent way welding technology
3.4.4	Flat products	4.4.5	Marking	6.1.9	Specialised civil engineering work
3.4.14	Foams	4.4.7	Modernisation		
3.4.2	Insulating materials				
3.4.7	Insulation materials				
3.4.15	Lubricants				

6.1.7	Superstructures	6.5.19	Car retarder	6.6.8	Communications technology
6.1.10	Telecommunications	6.5.9	Catenaries	6.6.7	Control systems
6.1.12	Tunnel and bridge construction	6.5.17	Concrete track and points sleepers	6.6.4	Earth terminals for track construction
6.2	<u>Planning and monitoring of construction works</u>	6.5.2	Construction site lighting	6.6.1	Level crossing systems
6.2.5	Planning and control	6.5.7	Electric points (switch) heater	6.6.5	Mechanical remote control equipment
6.2.8	Planning of electric power supply	6.5.49	Electric power supply	6.6.3	Operating control engineering
6.2.7	Planning of signalling and control systems	6.5.6	End-of-track buffers	6.6.10	Signalling systems
6.2.6	Planning of superstructure, underground, and civil engineering works	6.5.3	Friction buffer stops	6.6.9	Switchgears in earth systems
6.2.9	Planning review	6.5.15	Geotextiles	6.6.11	Warning systems for tracklaying sites
6.2.10	Project planning	6.5.14	Handrails	6.7	<u>Overhead line equipment</u>
6.2.2	Site exploration / materials testing	6.5.24	Hot Box Detection System	6.7.6	Clamps and foundries components
6.2.4	Supervision of works	6.5.26	Insulating joints	6.7.2	Engineering consultant
6.2.11	Survey	6.5.25	Insulation for railway catenary	6.7.3	Installation
6.2.1	Tendering and tender evaluation	6.5.27	Isolated fastenings	6.7.5	Insulators and section insulators
6.2.3	Work logistics	6.5.29	Long material equipment for road transport of rails	6.7.4	Maintenance
6.3	<u>Railway track machinery, equipment and tools</u>	6.5.30	Long rails	6.7.10	Overhead installations
6.3.2	Ballast cleaning machines	6.5.31	Lubricants	6.7.9	Overhead line measuring systems
6.3.15	Ballast regulating machines	6.5.35	Marshalling equipment	6.7.11	Overhead line tests
6.3.17	Ballast tamping machines	6.5.31	Mass-Spring-Systems	6.7.12	Steady arms and suspensions
6.3.4	Equipment	6.5.33	Measuring equipment	6.7.8	Suspension wire components
6.3.1	Excavators	6.5.36	Noise deadening	6.7.7	Tensioning devices
6.3.13	Grinding machines	6.5.11	Panel track laying	6.7.13	Tools
6.3.14	Grinding tools	6.5.32	Plotting paper	6.7.1	Wires and cables
6.3.8	Heavy machinery and tower cranes	6.5.54	Points (switch) heaters	6.8	<u>Other services</u>
6.3.9	Light machines	6.5.55	Points (switch) lubricating equipment	6.8.10	Ecological surveys
6.3.10	Measuring equipment and -systems	6.5.53	Points (switch) mechanisms	6.8.4	Electromagnetic compatibility
6.3.3	Overhead line vehicles	6.5.52	Points (switches) and crossings	6.8.1	Health and safety
6.3.11	Rail Milling Machine	6.5.10	Power line masts	6.8.6	Inspection of tracks and points (switches)
6.3.12	Rail-carrying train	6.5.8	Protection against mechanical vibrations	6.8.8	Machine repair
6.3.21	Road-rail vehicles	6.5.50	Protection Systems	6.8.5	Platform covering
6.3.16	Safety tools	6.5.40	Rail fastening equipment	6.8.2	Protection of construction sites
6.3.19	Switch inspection systems	6.5.39	Rail guards/ cow-catchers	6.8.7	Recycling of building materials
6.3.5	Track cars	6.5.42	Rail link units	6.8.9	Safety during hazardous cargo transport
6.3.7	Track laying and track construction machines	6.5.41	Rail lubrication systems	6.8.3	Site monitoring
6.3.18	Track maintenance vehicles	6.5.45	Railroad ties (sleepers)	6.8.11	Survey
6.3.6	Track recording cars	6.5.38	Rails	6.9	<u>Other</u>
6.3.20	Wagons for turnout transport	6.5.20	Re-ballasting of tracks	Public Transport	
6.4	<u>Station buildings</u>	6.5.47	Safety engineering	7.	Public Transport / Fixed structures
6.4.5	Air conditioning equipment	6.5.18	Siding track facilities	7.1	<u>Station and stop premises</u>
6.4.4	Guide systems for blind	6.5.48	Special products for transport route construction	7.1.24	Advertisement systems
6.4.2	Platform edges	6.5.16	Steel grating	7.1.10	Bicycle parking facilities
6.4.3	Platform systems	6.5.12	Surface stabilisation systems	7.1.21	Clock systems
6.4.1	Platforms	6.5.5	Third rail	7.1.7	Counters
6.5	<u>Technical equipment / building materials</u>	6.5.57	Tongue rolls for switches	7.1.18	Customer service
6.5.1	Axle counters	6.5.21	Track bed systems	7.1.1	Dispatch facilities
6.5.44	Ballast	6.5.22	Track circuits	7.1.12	Escalators
6.5.4	Bridge girders	6.5.37	Track switchgear	7.1.15	Furnishing for control stations
6.5.34	Buffer stops	6.5.23	Track systems	7.1.19	Information technology
6.5.28	Cable channels	6.5.56	Train preheating equipment	7.1.2	Lifts
		6.5.46	Vibration Isolation	7.1.17	Luggage locker facilities
		6.5.51	Wearing- and sliding plastics, insulation plastics		
		6.5.13	Wheel flat detector		
		6.6	<u>Signalling and control systems</u>		
		6.6.2	Acoustics		
		6.6.6	Cable ducts		

7.1.11	Moving pavements	8.1	<u>E-business</u>	9.	Freight traffic logistics
7.1.8	Passenger counting systems	8.2	<u>Information technology / quality assurance systems</u>	9.1	Fleet management systems
7.1.23	Path control systems	8.2.5	Efficiency control	9.4	Combined transport
7.1.5	Platform lighting	8.2.4	Geo information systems	9.2	Hazardous cargo transports
7.1.16	Poster showcases	8.2.3	Journey analysis systems	9.3	Identification systems
7.1.14	Process control systems	8.2.2	Real-time statistics	9.8	Interchangeable containers, changing systems
7.1.20	Roofing systems	8.2.1	Testing and analysis systems	9.6	Loading/Unloading systems and organisation
7.1.22	Shelters	8.3	<u>Components for information technology</u>	9.9	Other
7.1.4	Station / telephone box doors	8.3.1	Sensors	9.5	Shipment tracking systems
7.1.6	Station dividing walls/doors	8.4	<u>Communication systems</u>	9.7	Weighing equipment
7.1.3	Station furnishings	8.4.1	Digital radio systems	10.	Services
7.1.13	Stop furnishings	8.4.3	Internet systems	10.1	<u>Institutions / Media / transport businesses</u>
7.1.9	Time-table and info-showcases	8.4.2	Interphone systems	10.1.7	Associations
7.1.25	Weather protection	8.4.4	Mounting systems for train radio equipment	10.1.1	Authorities
7.2	<u>Passenger information systems</u>	8.4.5	Train radio systems	10.1.3	Freight traffic businesses
7.2.7	Coach controllers	8.5	<u>Management systems</u>	10.1.4	Freight traffic centres
7.2.1	Display-cases	8.5.1	Depot Management	10.1.2	Industrial parks
7.2.2	GPS-controlled time displays	8.5.2	Facility management	10.1.9	Joint transport authorities
7.2.3	Infotainment systems	8.5.3	Infrastructure management systems	10.1.8	Organisations
7.2.4	Interactive Voice Response Systems (IVR)	8.5.4	Lean production	10.1.5	Passenger transport businesses
7.2.5	LED displays	8.6	<u>Operation - Rail Systems</u>	10.1.10	Publishing houses
7.2.6	Plasma displays	8.7	<u>Location and navigation systems</u>	10.1.11	Science, research, and development
7.2.8	Seat reservation systems	8.8	<u>Planning systems</u>	10.1.6	Technology and incubation units
7.2.9	System controllers	8.8.1	Time-table planning	10.2	<u>Services in the transport industry</u>
7.2.10	TFT flat panel displays	8.8.3	Optimisation	10.2.1	Health and safety
7.2.11	TFT-LCD displays	8.8.4	Personnel- and service planning	10.2.17	Certification
7.3	<u>Passenger fare management</u>	8.8.5	Resources planning (personnel, wagons, locomotives)	10.2.4	Documentation
7.3.1	Settlement systems	8.8.6	Roster planning	10.2.7	Education and training
7.3.10	Access systems	8.8.2	Vehicle deployment	10.2.10	Engineering services
7.3.2	Board Computer	8.9	<u>Safety and control engineering</u>	10.2.15	Expert Services
7.3.3	Chip cards	8.9.1	Passenger alarm systems	10.2.6	Financial services
7.3.5	Eelectronic payment systems	8.9.2	Computer-assisted operations control system	10.2.16	Insurances
7.3.9	Rate management	8.9.3	Video surveillance systems (CCTV)	10.2.11	Leasing
7.3.4	Revenue management	8.10	<u>Software / software development</u>	10.2.12	Marketing
7.3.8	RFID media	8.10.3	Analyses and calculations relating to the dynamics of vehicle movement	10.2.5	Passenger survey
7.3.6	Ticket defacing	8.10.1	Computer-based training programme	10.2.2	Recruitment agency
7.3.7	Ticket issuing	8.10.2	E-Procurement	10.2.14	Recycling
7.4	<u>Parking area management</u>	8.10.4	Software for project management	10.2.8	Risk protection
7.4.1	Car park tickets	8.11	<u>Traffic Management</u>	10.2.3	Services shop floor level
7.5	<u>Cleaning / Waste Disposal</u>	8.11.1	Traffic data determination	10.2.13	Testing services
7.5.2	Cleaning and waste disposal equipment	8.11.2	Traffic information systems	10.2.9	Trade
7.5.1	Services	8.11.3	Traffic engineering	10.3	<u>Analysis / Consulting / Development / Planning</u>
7.5.3	Washing and toilet facilities	8.11.4	Traffic control systems	10.3.5	Complete solution for planning and design
7.6	<u>Safety and control</u>	8.12	<u>Other</u>	10.3.2	Consultancy
7.6.2	Fire detection systems			10.3.3	Design
7.6.4	Fire extinguishing systems			10.3.4	Engineering
7.6.3	Fire protection systems			10.3.1	Execution planning
7.6.7	Monitoring systems			10.3.6	Noise and vibration reduction
7.6.6	Safety engineering			10.3.8	Project planning
7.6.1	Security			10.3.9	Simulation/Calculation of power networks
7.6.5	Supervising services				
7.7	<u>Other</u>				
8.	Transport IT Transport management / Data processing / Information / Communication				

- 10.3.7 Studies, conceptual and system planning
- 10.3.10 System-analysis / development
- 10.4 Realisation / Project-Management**
- 10.4.2 Contract and claims-, project and Construction Management
- 10.4.1 Electric project management
- 10.5 Other**

Tunnel Construction

11. Tunnel Construction

11.1 Construction machines, -parts and components

- 11.1.37 Access equipment
- 11.1.4 Building site equipment
- 11.1.18 Cables and accessories
- 11.1.35 Capstans
- 11.1.19 Compressors and pneumatical tools
- 11.1.10 Conveyor belt and -systems
- 11.1.20 Cranes/Lifting equipment
- 11.1.36 Crushing machines
- 11.1.8 Drilling derricks
- 11.1.5 Drilling platforms, supports and accessories
- 11.1.7 Drilling steels and rock drilling bits
- 11.1.1 Equipment for removing excavated material
- 11.1.27 Excavating machines for slurry trenches
- 11.1.32 Full face TBMs
- 11.1.11 Geotechnical instruments
- 11.1.33 Grouting, pouring and injection machines
- 11.1.6 Hammer drill
- 11.1.34 Heading shields
- 11.1.14 Hydraulic excavators & breakers
- 11.1.15 Injection devices and accessories
- 11.1.17 Injection hose systems
- 11.1.16 Injection packer and accessories
- 11.1.26 Lining and scaffolding
- 11.1.21 Machines and systems for track construction
- 11.1.22 Microtunnelling and trenchless headings
- 11.1.9 Moisture separators
- 11.1.13 Pick wheels
- 11.1.23 Piling equipment/systems
- 11.1.2 Power Plant
- 11.1.28 Probe/diamond core cutters
- 11.1.24 Pumps
- 11.1.29 Rail-head equipment / drilling jibs
- 11.1.3 Rock-crushing equipment
- 11.1.25 Shaft boring devices
- 11.1.12 Track transport and carrying devices

- 11.1.30 Transport- and feed systems
- 11.1.31 Tunnel boring machines
- 11.2 Finishing**
- 11.2.19 Air cleaning/waste-air disposal
- 11.2.17 Air conditioning/ventilation
- 11.2.18 Air conduction systems
- 11.2.3 Building industry
- 11.2.2 Compensating plate
- 11.2.6 Concrete vibrators
- 11.2.12 Dedusting systems
- 11.2.13 Drainage and pump systems
- 11.2.26 Drill-and-blast tunnelling
- 11.2.10 Electrification
- 11.2.11 Electrotechnology
- 11.2.4 Fastening systems
- 11.2.15 Gas-extraction equipment/ systems
- 11.2.7 Ground freezing
- 11.2.8 Ground stabilization
- 11.2.16 Impregnate/Sealing of facing
- 11.2.9 Improvement of land
- 11.2.5 Lighting systems
- 11.2.22 Pipes and pipe connections
- 11.2.31 Planking
- 11.2.28 Power Systems
- 11.2.32 Reinforcement and tensioning device
- 11.2.21 Relining
- 11.2.14 Rock bolts/anchors
- 11.2.24 Shaft linings
- 11.2.23 Shaft sinking
- 11.2.25 Slurry walls, shields and trenches
- 11.2.1 Support devices / support arches / steel supports / lattice girders
- 11.2.20 Technical engineering and terotechnology
- 11.2.29 Tunnel coatings
- 11.2.30 Tunnel membranes, water stops
- 11.2.27 Tunnel supports
- 11.3 Building and other materials**
- 11.3.10 Ballast
- 11.3.2 Bitumen
- 11.3.15 Cement and additives
- 11.3.13 Clay
- 11.3.1 Concrete
- 11.3.11 Explosives
- 11.3.9 Foam and Polymeres
- 11.3.6 Gravel
- 11.3.14 Grouting materials
- 11.3.4 Gypsum
- 11.3.3 Injection products
- 11.3.5 Lime
- 11.3.7 Mortar
- 11.3.8 Sand
- 11.3.12 Shotcrete/Concrete additives
- 11.4 Maintenance**
- 11.4.2 Hydraulic service equipment
- 11.4.3 Lubricants

- 11.4.1 Preservation, decontamination, backfitting
- 11.4.4 Tunnel maintenance
- 11.5 Safety features**
- 11.5.5 Controlsystems
- 11.5.3 Fire protection
- 11.5.6 Measurement/examination/ control and test equipment
- 11.5.9 Monitoring/Warning/ Alarmsystems
- 11.5.7 Personal safety
- 11.5.4 Protection against dangers
- 11.5.1 Safety at work
- 11.5.8 Safety equipment/-systems
- 11.5.2 Site safety
- 11.6 Communication**
- 11.6.3 Internet Systems
- 11.6.2 Interphone systems
- 11.6.5 Managementsystems
- 11.6.1 Radio systems
- 11.6.6 Software
- 11.6.7 Telecommunication
- 11.6.4 Underground communications
- 11.6.8 Video systems
- 11.7 Services/Consulting**
- 11.7.16 Associations, Organisations
- 11.7.3 Authorities
- 11.7.1 Calls for tenders / drafting and awarding contracts
- 11.7.21 Certification
- 11.7.2 Construction-site logistics
- 11.7.4 Consultancy
- 11.7.19 Contract and claims-, project and construction management
- 11.7.6 Documentation
- 11.7.11 Engineering services
- 11.7.12 Expert Services
- 11.7.8 Financing/Insurance
- 11.7.9 Geology
- 11.7.10 Geotechnical services
- 11.7.18 Measurement
- 11.7.13 Monitoring harmful substances
- 11.7.5 Operational, environmental and safety equipment/systems
- 11.7.17 Publishers
- 11.7.20 Science, Research & Development
- 11.7.14 System analysis, -development
- 11.7.15 Technology centre
- 11.7.7 Trade Publications
- 11.8 Clothing/workwear**
- 11.8.1 Geo Textiles
- 11.8.2 Headgear
- 11.8.3 Protective Clothing
- 11.8.4 Shoes
- 11.9 Others**