

## LIST OF PRODUCTS

### RAW MATERIALS AND MATERIALS FOR THE PRODUCTION OF STAINLESS STEELS

- 1.1 Blast furnace pig iron
- 1.2 Scrap
- 1.3 Alloying material, ferroalloys

### STAINLESS STEELS

- 2.1 Stainless steels under EN 10027-2 standard
  - 2.1.1 EN 1.40xx
  - 2.1.2 EN 1.41xx
  - 2.1.3 EN 1.43xx
  - 2.1.4 EN 1.44xx
  - 2.1.5 EN 1.45xx
  - 2.1.6 EN 1.46xx
- 2.2 Ferritic steels
  - 2.2.1 SAE type 400 ferritic
  - 2.2.2 Superferritic steels
- 2.3 Martensitic and hardenable steels
  - 2.3.1 SAE type 400 martensit
  - 2.3.2 Precipitation hardening martensitic steels
  - 2.3.3 Supermartensitic stainless steels
- 2.4 Austenitic steels
  - 2.4.1 SAE type 100, 200, 300
  - 2.4.2 Precipitation hardening austenitic steels
  - 2.4.3 Superaustenitic stainless steels
- 2.5 Duplex (austenitic-ferritic) steels
  - 2.5.1 Superduplex stainless steels
- 2.6 Heat resistant steels
  - 2.6.1 EN 1.47xx
  - 2.6.2 EN 1.48xx
  - 2.6.3 Ferritic heat resisting steels
    - 2.6.3.1 SAE type 500
  - 2.6.4 Austenitic and austenitic-ferritic heat resistant steels
- 2.7 Creep-resistant steels
  - 2.7.1.1 EN 1.49xx
  - 2.7.2 Martensitic creep resistant steels
  - 2.7.4 SAE type 600 martensitic and PH
  - 2.7.5 Austenitic creep resistant steels
  - 2.7.6 SAE type 600 austenitic
- 2.8 Special stainless steels
  - 2.8.1 Maraging, TRIP steels
- 2.9 Weldable, stabilised stainless steels
- 2.10 Stainless steels for castings
- 2.11 Special alloys, superalloys
  - 2.11.1 Nickel superalloys
  - 2.11.2 Cobalt superalloys
  - 2.11.3 Titanium, titanium alloys
  - 2.11.4 Tantalum, zirconium and other special alloys
- 2.12 Powder metallurgy materials, ODS steels

### STAINLESS STEEL METALLURGICAL SEMI-PRODUCTS

- 3.1 Ingots, continuous casts
- 3.2 Blooms, billets, slabs

### STAINLESS STEEL METALLURGICAL PRODUCTS

- 4.1 Flat products
  - 4.1.1 Hot rolled flat products – sheets, strips
  - 4.1.2 Cold rolled flat products – sheets, strips
  - 4.1.3 Formed sheets
  - 4.1.4 Built-up flat products – sheets, strips, boards
  - 4.1.99 Flat products, other
- 4.2 Long products
  - 4.2.1 Wires
  - 4.2.1.1 Hot rolled wires
  - 4.2.1.2 Cold drawn wires
  - 4.2.2 Simple section hot formed bars – solid and cored
  - 4.2.3 Drawn, peeled, ground bars
  - 4.2.4 Long products with nibs or ribs
  - 4.2.5 Profile section hot rolled bars
  - 4.2.6 Profiles – welded, cold formed, thin walled
  - 4.2.7 Pipes (tubular section) – seamless and welded
  - 4.2.8 Long products, other
- 4.3 Products of specific form
  - 4.3.1 Sheet formed bottoms
- 4.4 Cladded products, cladding
- 4.98 Special stainless steel metallurgical products made to order
- 4.99 Stainless steel metallurgical products, other

### STAINLESS STEELS PRODUCTS OF FOUNDRIES, FORGING AND PRESSING SHOPS

- 5.1 Stainless steel castings
  - 5.1.1 Precision casting from stainless steels
  - 5.1.2 Austenitic stainless steel castings
  - 5.1.3 Ferritic stainless steels castings
  - 5.1.4 Duplex stainless steels castings
- 5.2 Stainless steel forgings
  - 5.2.1 Stainless steel die forgings
  - 5.2.2 Stainless steel open-die forgings
- 5.3 Stainless steel mouldings
- 5.4 Stainless steel extrusions

### STAINLESS STEEL PRODUCTS

- 6.1 Bearings, and parts thereof
- 6.2 Gear wheels
- 6.3 Springs and flexible elements
- 6.4 Seals, bellows
- 6.5 Conveyor technique belts, chains, screws

<b>6.6</b>	<b>Filters, sieves</b>	<b>7.6.4.1</b>	Picking baths, pastes, gels
<b>6.7</b>	<b>Hoses, fittings, quick couplings, flanges, pneumatic</b>	<b>7.6.5</b>	Grinding and polishing equipment, accessories thereof
<b>6.8</b>	<b>Travelling wheels, pulleys, head pulleys</b>	<b>7.6.5.1</b>	Equipment and accessories for electrolytic surface polishing
<b>6.9</b>	<b>Assembly elements</b>	<b>7.7</b>	<b>Paints suitable for stainless steels</b>
<b>6.9.1</b>	Joining, fixing elements, fasteners	<b>7.8</b>	<b>Equipment and accessories for scrap processing and waste disposal</b>
<b>6.10</b>	<b>Large volume tanks, cisterns, silos, containers</b>	<b>7.9</b>	<b>Protection and safety means and aids</b>
<b>6.11</b>	<b>Vessels, barrels, cans, containers</b>	<b>7.10</b>	<b>Technical gases</b>
<b>6.12</b>	<b>Ropes, cords, straps</b>	<b>7.99</b>	<b>Machines and equipment for stainless steel treatment and processing, other</b>
<b>6.13</b>	<b>Banded wire products, chains</b>		
<b>6.14</b>	<b>Building elements and structures, concrete reinforcements</b>		
<b>6.14.1</b>	Columns, beams, architectonic and construction systems		<b>COMPUTERS, TESTING AND MEASURING INSTRUMENTS FOR STAINLESS STEELS</b>
<b>6.14.2</b>	ANCHORING SYSTEMS	<b>8.1</b>	Systems for production plant management, design and planning
<b>6.14.3</b>	Modular construction units for ventilation devices and systems	<b>8.2</b>	Equipment and systems for the measurement of technological quantities
<b>6.15</b>	<b>Sewerage segments and systems</b>	<b>8.3</b>	Equipment for mechanical tests
<b>6.16</b>	<b>Cable protection troughs</b>	<b>8.4</b>	Instruments and equipment for the examination of material microstructure
<b>6.17</b>	<b>Construction elements for water treatment plants</b>	<b>8.5</b>	Instruments and equipment for chemical analysis
<b>6.18</b>	<b>Sanitary engineering</b>	<b>8.6</b>	Instruments and equipment for non-destructive testing
<b>6.19</b>	<b>Drinking water pipes</b>	<b>8.99</b>	Computers, testing and measuring instruments for stainless steels, other
<b>6.20</b>	<b>Equipment for waste depot and removal</b>		
<b>6.21</b>	<b>Product pipelines</b>		
<b>6.22</b>	<b>Medical instruments and products</b>		
<b>6.23</b>	<b>Laboratory instruments and equipment</b>		
<b>6.99</b>	<b>Stainless steel products, other</b>		

## MACHINES AND EQUIPMENT FOR STAINLESS STEEL TREATMENT AND PROCESSING

<b>7.1</b>	<b>Machines and equipment for welding, cutting and brazing</b>		
7.1.1	Gas welding and brazing	9.3	
7.1.2	Arc welding	9.3.1	Consulting, engineering and design services in the area of stainless steel application and processing
7.1.3	Plasma cutting and welding	9.4	Corrosion testing
7.1.4	Electron beam and laser welding and cutting	9.5	Servicing and repairs of stainless steel processing machines
7.1.5	Consumable materials for welding, cutting and soldering	9.6	Refurbished stainless steel processing machines
7.1.6	Machines and equipment for waterjet cutting	9.9	Manufacture of prototype and special-purpose stainless steel processing equipment
<b>7.2</b>	<b>Machines and equipment for metal cutting (cutting, turning, milling, boring)</b>	9.10	Stainless steel processing technologies
7.2.1	Tools and consumable materials for metal cutting	9.11	Publishing houses, specialised literature, printing in the area of stainless steel
7.2.2	Monolithic steel tools	9.12	Institutions and organisations involved in stainless steel
7.2.3	Monolithic carbide tools	9.2	Specialised courses and training in the area of stainless steel
7.2.4	Exchangable inserts for tooling systems	9.2.1	Made-to-order stainless steel processing
7.2.5	Holders for exchangable inserts	9.2.2	Made-to-order separating, cutting (shears, saws, laser, plasma, water jet)
<b>7.3</b>	<b>Forming machines and equipment</b>	9.2.3	Made-to-order welding, soldering
7.3.1	Tools and auxiliary materials for forming	9.2.4	Made-to-order forming
<b>7.4</b>	<b>Hand tools for stainless steel working</b>	9.2.5	Made-to-order metal cutting (turning, milling, boring)
<b>7.5</b>	<b>Furnaces and accessories thereof for heat processing and treatment (hardening, annealing)</b>	9.2.6	Made-to-order heat treatment
7.5.1	Accessory and auxiliary materials for heat processing and treatment	9.2.7	Made-to-order surface finish
<b>7.6</b>	<b>Machines and equipment for surface cleaning and finish</b>	9.2.8	Made-to-order production of parts
7.6.1	Degreasing and cleaning devices	9.2.99	Made-to-order stainless steel processing, other
7.6.1.1	Cleaning and degreasing agents	9.99	<b>Stainless steel research, services, and institutions, other</b>
7.6.2	Blasting machines		
7.6.2.1	Abrasives for blasting machines		
7.6.3	Brushing machines and accessories thereof		
7.6.4	Pickling and passivation equipment		

## STAINLESS STEEL RESEARCH, SERVICES, AND INSTITUTIONS

<b>9.1</b>	<b>Research in the area of metallurgy and stainless steel processing</b>
<b>9.3</b>	<b>Consulting, engineering and design services in the area of stainless steel application and processing</b>
<b>9.4</b>	<b>Corrosion testing</b>
<b>9.5</b>	<b>Servicing and repairs of stainless steel processing machines</b>
<b>9.6</b>	<b>Refurbished stainless steel processing machines</b>
<b>9.9</b>	<b>Manufacture of prototype and special-purpose stainless steel processing equipment</b>
<b>9.10</b>	<b>Stainless steel processing technologies</b>
<b>9.11</b>	<b>Publishing houses, specialised literature, printing in the area of stainless steel</b>
<b>9.12</b>	<b>Institutions and organisations involved in stainless steel</b>
<b>9.2</b>	<b>Specialised courses and training in the area of stainless steel</b>
<b>9.2.1</b>	<b>Made-to-order stainless steel processing</b>
<b>9.2.2</b>	<b>Made-to-order separating, cutting (shears, saws, laser, plasma, water jet)</b>
<b>9.2.3</b>	<b>Made-to-order welding, soldering</b>
<b>9.2.4</b>	<b>Made-to-order forming</b>
<b>9.2.5</b>	<b>Made-to-order metal cutting (turning, milling, boring)</b>
<b>9.2.6</b>	<b>Made-to-order heat treatment</b>
<b>9.2.7</b>	<b>Made-to-order surface finish</b>
<b>9.2.8</b>	<b>Made-to-order production of parts</b>
<b>9.2.99</b>	<b>Made-to-order stainless steel processing, other</b>
<b>9.99</b>	<b><b>Stainless steel research, services, and institutions, other</b></b>