

Special steels for the nuclear power industry



Our company is one of the most important trading companies in the Czech Republic in the field of supply of steels intended for use in the nuclear power industry.

Samples of grades:

- 14Ch17N2, 08Ch18N10T, ChN35VT
- 1.4541 with limited cobalt content (Co)
- 1.4006A, 1.4057, 1.4307Q, 1.4313, 1.4162, 1.4401, 1.4404, 1.4418Q, 1.4462, 1.4541, 1.4541Q, 1.4542Q, 1.4550Q, 1.4571, 1.4909, 1.4944
- AISI 304L, 304LN, 308L, 316, 316L, 316LN, 316KN, 316 Ti, 321, 347, 410, 630, 660
- UNS S17400, S30403, S30453, S30883, S31600, S31603, S31635, S31653, S32100, S32101, S32205, S34700, S34800, S40300, S41500, S43100

Product range:

- Tubes and tube accessories in stainless steel, nickel alloys and titanium
- Bars in stainless steel, nickel alloys and titanium
- Sheets in stainless steel, nickel alloys and titanium
- Forged flanges in mild carbon and stainless steel, nickel alloys and titanium
- Free and die forgings in mild, carbon and stainless steel, nickel alloys and titanium
- Machined tubesheets in mild, carbon and stainless steel, nickel alloys and titanium
- Stainless steel reinforcement for concrete - ribed bars, bent reinforcement according to drawings and ribed bar meshes
- Heads in stainless steel, nickel alloys and titanium
- Large springs in alloy and stainless steel, nickel alloys and titanium

- Pre-material in stainless steel and nickel alloys

We are able to supply these materials according to various standards, special technical conditions and customer requirements:

- All use groups according to § 12 of the SUJB 358/2016 Coll.
- Declaration of conformity according to EN ISO 17050
- TDC 07 14E 097/80/A
- TC-JE-02/89-2020 rev.2
- RCC-M STR: M3202-M3306-M3308-M5110-M5120
- ASME, NCA3800, PED, GOST

We particularly excel in large pipeline projects where significant technical added value is required, or where financing of the project or production is required.

Quality assurance and customer satisfaction are undoubtedly the primary objectives of our company. We pay attention not only to the quality of the materials we supply, but also to the quality of the services we provide, which is supported by our ISO 9001:2015 quality management system, certified by Bureau Veritas, and a set of internal regulations.

We are one of the major suppliers to the energy industry and the quality we provide is also proven by the authorization ČEZ a.s. has obtained to supply metallurgical materials for the nuclear power industry in accordance with the requirements of the Atomic Act and SÚJB Decrees No. 408/2016 Coll. and No. 358/2016 Coll.

Our experienced staff ensures the quality of the deliveries from the very moment the material is requested. We supply a wide range of grades and shapes and offer our expertise in complex technical specifications. We ensure that all customer requirements are met, including requirements for approvals, various tests, relabeling protocols and other requirements. Careful handling of materials, organisation of storage areas and regulatory storage conditions are essential for us. In addition, we have our own spectrometer, which enables us to check materials for any confusion of grades or melts as soon as they arrive in our warehouses.

The quality of materials from our suppliers is regularly verified in testing laboratories, where tests such as chemical composition, mechanical values, intergranular corrosion, micro-purity, macrostructure, delta ferrite content and other necessary tests are carried out. All our suppliers are evaluated in accordance with our internal regulations.

We pay special attention to the inspection of the material before shipment, the packaging of the material, the transport only by reliable carriers and all related documentation. In the field of nuclear energy, we cooperate with TÜV NORD Czech, s.r.o. in the area of inspection.

We provide expert advice in the field of stainless steel materials for nuclear power.