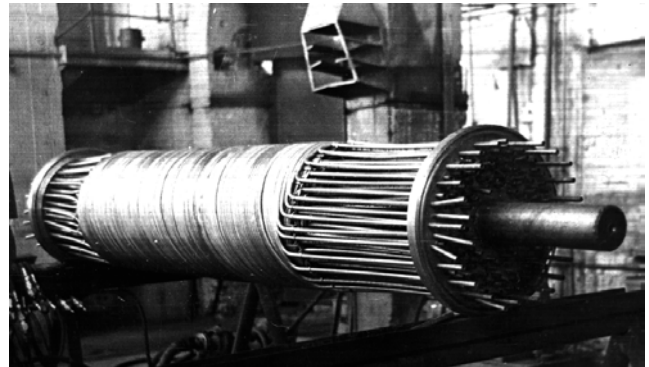




High-strength stainless 13%-chromium steels

Steels of 08H13AFL(08X13AФЛ) and (20-65)H13AFL [(20-65)X13AФЛ] brands exceed the standard ferrite 08H13L (08X13Л) and martensite (20-65)H13L [(20-65)X13Л] steels by the following characteristics:

- strength - by 150-400 MPa,
- impact strength -1.5-2.0 times;
- fatigue endurance at 500-600°C - by 35-45%;
- long-term strength at 500-600°C (on time to failure) -15-20 times;
- wear resistance - 2.5-3 times;
- corrosion resistance -2.0-2.5 times;
- fluidity -3-5 times;
cracking resistance at casting and welding -2.0-2.5 times;
- weldability - by 20-25%;
- hardenability - 1.5-1.7 times;
energy (power) and labour expenditures at cold rolling -2.0-2.5 lower.



Fields of application:

chemical, food, petroleum, automobile, tractor, power engineering shipbuilding; forging and die rolling production.