

CORROSION-RESISTANT STEELS - FERRITIC-AUSTENITIC (DUPLEX) STEELS

Available Product Variants

Plates

Product Description

Austenitic-ferritic superduplex stainless steel with higher amounts of copper to increase corrosion resistance, high strength and excellent wear resistance. Excellent resistance towards seawater, sulfuric-, nitric and phosphoric acids as well as organic and formic acids. Less resistant in highly reducing agents. High demanding components in the oil & gas, pulp & paper industrie as well as chemical and nuclear industry and flue gas applications. Maximum continuous operating temperature should not exceed 250°C.

Applications

- > Components for Chemical plants (incl. LNG, FGD, Urea, LDPE, etc.)
- > Other Oil and Gas + CPI components
- > Tubular Products, Flanges, Fittings

Technical data

Material designation	
~1.4507	SEL
S32550	UNS
S32520	

Chemical composition (wt. %)

C	Si	Mn	Cr	Mo	Ni
≤ 0,04	1	1.5	25.5	3.4	5.5

If other available product variants are listed in addition to long products, please note that these may differ in terms of melting process, technical data, delivery and surface condition as well as available product dimensions. For mandatory technical specifications, other requirements and dimensions, please contact our regional voestalpine BÖHLER sales companies. The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

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