

Technical datasheet

Titanium KSTI-1,2 ASNEX

Major specifications

Titanium KSTI-1,2 ASNEX, oxidation-resistant, corrosion-resistant, very good cold formability

Available product forms

Coils and Sheets

Wire

Tubes, welded

The current stock range can be found on www.sd-metals.com.

Further dimensions available upon request.

Use our Service Centre to have the available sizes cut to your desired dimensions.

Key features

KSTI-1,2 ASNEX was developed for high performance automotive and motorcycle exhaust systems and is based on pure titanium that is stabilized using aluminum, silicon and niobium additives. This pure titanium-based grade features excellent fatigue properties and high oxidation resistance at temperatures up to 700-800°C. The higher oxidation resistance enables the use of thinner walls, which saves additional weight and increases the longevity of the system. KSTI-1,2 ASNEX can thus offer a decisive competitive advantage in motorsports.

Applications

- exhaust systems for automobiles and motorcycles

Chemical properties

Composition - limits in %

Al	Si	Nb	Fe	O	C	N	H
0,30 - 0,70	0,30 - 0,60	0,10 - 0,30	max. 0,20	max. 0,15	max. 0,08	max. 0,05	max. 0,013

Mechanical properties (of coil at room temperature)

	longitudinal section	landscape format	specification
0,2% Compressive strength	min. 320 MPa	min. 396 MPa	min. 215 MPa
Tensile strength	min. 438 MPa	min. 439 MPa	min. 340 MPa
Elongation	min. 33%	min. 40%	min. 20%

All information is subject to change without notice.

The properties correspond to the material in the heading. They may vary for other specifications.

Please contact us for more details.