

# DATA SHEET

## TITAN KSTI-1,2 ASNEX

### Major specifications

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

### Product forms

Coils and Sheets

Wire

Tubes, welded

The current Stock Range can be found on [www.sd-metals.com](http://www.sd-metals.com). Further dimensions available upon request.

### 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.

### Areas of application

Exhaust systems for automobiles and motorcycles

## CHARACTERISTIC

### Chemical composition limits in %

Al 0,30 - 0,70

Si 0,30 - 0,60

Nb 0,10 - 0,30

Fe max. 0,20

O max. 0,15

C max. 0,08

N max. 0,05

H max. 0,013

### Typical mechanical

(von Band bei room temperature)

#### longitudinal section

0,2% Compressive strength min. 320 MPa

Tensile strength min. 438 MPa

Elongation min. 33%

#### landscape format

0,2% Compressive strength min. 396 MPa

Tensile strength min. 439 MPa

Elongation min. 40%

#### specification

0,2% Compressive strength min. 215 MPa

Tensile strength min. 340 MPa

Elongation min. 20%

All information is subject to change without notice.

Sie haben Fragen? Kontaktieren Sie uns:

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