

# DATA SHEET

## TITAN KS 1,2 ASN

### Major specifications

Titan KS 1,2 ASN, oxidation-resistant, corrosion-resistant, very good cold formability

### Product forms

Coils and Sheets

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

KS 1.2 ASN 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. KS 1.2 ASN 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.