

Stainless Steel

AMS 6425 (HY-TUF)

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	HY-TUF
Aerospace	AMS 6425

A high strength low alloy steel.

CHEMICAL COMPOSITION

AMS 6425

Element	% Present
Chromium (Cr)	0.00 - 0.30
Manganese (Mn)	0.00 - 1.35
Silicon (Si)	0.00 - 1.50
Nickel (Ni)	0.00 - 1.80
Molybdenum (Mo)	0.00 - 0.40
Carbon (C)	Balance
Iron (Fe)	Balance

ALLOY DESIGNATIONS

- AMS 6425

SUPPLIED FORMS

- Bar
- Wire
- Forgings
- Tube

MECHANICAL PROPERTIES

AMS 6425

Property	Value
Tensile Strength	1517-1655 MPa
Elongation A50 mm	5 %

DISCLAIMER

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