

Bearing Steels

AMS 5749 (BG42) Bar & Sheet

Datasheet Updated
28 May 2024

SPECIFICATIONS

Commercial	BG42
Aerospace	AMS5749

A martensitic stainless steel designed for aerospace structural components and high performance bearings.

CHEMICAL COMPOSITION

AMS 5749

Element	% Present
Manganese (Mn)	0.50
Silicon (Si)	0.30
Molybdenum (Mo)	4.00
Vanadium (V)	1.20
Carbon (C)	1.15
Chromium (Cr)	14.50
Iron (Fe)	Balance

SUPPLIED FORMS

- Bar
- Sheet

MECHANICAL PROPERTIES

Property	Value
Hardness Rockwell C	59.0-62.5 HRC

DISCLAIMER

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