

A286 Stainless Steel Sheets

Typical Applications

General Aerospace Engine Hardware



AMS 5525, AMS 5858 Suppliers and Stockholders

Dynamic Metals is a specialist supplier and stockholder of A286 stainless steel sheet, supplying aerospace and power generation industries with certified material to AMS 5525 and AMS 5858 since 1997. No minimum order quantities.

A286 sheet is an austenitic nickel-iron-chromium superalloy that meets AMS 5525 and AMS 5858 (UNS S66286). A286 sheets are usually furnished in the annealed state with tensile strength of 620 MPa and elongation of 40%, which makes it easily formable in the aerospace industry before age-hardening.

Sheet is the most desirable shape for fabrication of aerospace engine parts, combustor liners, exhaust ducts, heat shields and formed structural panels that operate at high temperatures. Due to the ability to maintain the sufficient strength and oxidation resistance in the temperature range of 500 to 700°C, A286 sheet provides a suitable choice in cases when conventional stainless steel sheet cannot be used due to poor properties.

Being austenitic, the alloy does not have magnetic properties and provides good toughness at both high and low temperatures ranging from operational ones up to cryogenic conditions (-196°C), which adds its capability of being used under wider range of temperatures compared to most of high-strength alloys. Moderate corrosion resistance in the aqueous environment is another characteristic that broadens usage area of the alloy.

Age hardening of formed or fabricated parts is normally done after fabrication.

Related Products

15 5Ph Stainless Steel

17 4Ph

17 7Ph

431 - 1-4057 STAINLESS STEEL

A286 Bar

A286 Sheet

Aermet 100

Ph 13 8Mo

S145 Stainless Steel

Technical specification

Related Specifications

AMS 5525

AMS 5858

UNS S66286

Specific Gravity

7.9 g/cm³

Chemical Composition (WT %)

	Min	Max
C	-	0.08
Mn	-	2.0

General Enquiries

+44(0) 1525 217 556

[Email us here](#)

Head Office

40 Eden Way
Chartwell Business Park
Leighton Buzzard
Bedfordshire
LU7 4FY

T: +44 (0)1525 217 556

Conversion Centre

Suite 2 Meadowhall Riverside
Meadowhall Road
Sheffield
South Yorkshire
S9 1BW

T: +44 (0)1143 030 320

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