

Specifications:

UNS R30605
 Sheet, Plate, Strip AMS 5537
 Billet, Rod, Bar, AMS 5759; MIL-C-24252D
 Coated Electrodes AMS 5797
 Bare Welding Rods & Wire AMS 5796
 Forgings AMS 5759

Properties (Sheet, Bar, Plate):

0.2% Offset Yield Strength: 476 MPa, 505MPa, 474 MPa
Tensile Strength: 996 MPa, 1015 MPa, 1000 MPa
Elongation: 54.7%, 60%, 58.8%

Description:

Haynes® 25 is a cobalt-nickel-chromium-tungsten alloy that is suitable for applications in aerospace for military and commercial gas turbine engines. This alloy has good elevated temperature strength as well as resistance to oxidizing environments with prolonged exposures up to 1800°F. It has excellent resistance to sulfidation and metal galling.

Chemical Composition (Wt%)

Si	Fe	Cr	Co	C	Ni	Mo	W	Mn
0.4	3.0	20.0	BAL	0.1	10.0	1.0	15.0	1.5

Note: Single values are maximum unless otherwise noted.

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126; OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.