S99 Alloy Steel

BS S99 / W.Nr 1.6745 Alloy Steel Suppliers & Stockholders

Dynamic Metals is a specialist supplier and stockholder of S99 alloy steel (W.Nr 1.6745), supplying UK aerospace and defence industries with certified bar, sheet and plate since 1997. No minimum order quantities.

S99 (W.Nr 1.6745) is a nickel-chromium-molybdenum low alloy steel used in the United Kingdom for the production of structural aerospace parts. S99 belongs to a group of British aerospace steels which also include alloys S156 and BS S106. S99 is a through-hardened steel characterized by high strength and toughness, thus being applicable for manufacturing structural parts where reliable mechanical properties are required.

As all the nickel-chromium-molybdenum alloy steels, S99 obtains its mechanical properties due to quench and temper heat treatment. Nickel imparts toughness and impact strength, chromium provides hardenability, while molybdenum increases strength and prevents temper brittleness. Thus, the same set of alloying elements determines special strength-toughness properties of this family of steels.

As any material S99 was approved specifically for some UK aerospace applications. Therefore, S99 is the only material which is required for some old projects. S99 is supplied by Dynamic Metals in bars, sheets and plates.

Related Products

15Cdv6 Bar Sheet Tube

300M

4130 Bar And Tube

4130 Sheet And Plate

4340

52100

S99

EN24

Hy Tuf

S156

T45

M50 Steel Bar

4330 Alloy Steel

BS S106

4130

Technical specification

Related Specifications

W.Nr 1.6745

Specific Gravity

Chemical Composition (WT %)

Typical Mechanical Properties (in the solution treated condition)

Need more information? ***Get in touch***

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