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AISI 4340 Alloy Steel - West Yorkshire Steel

SAE AISI 4340 Steel (UNS G43400) AISI 4340 steel (UNS G43400) is an ultra-high strength medium carbon low alloy steel, which combines deep hardenability, high ductility, toughness and strength, and has high fatigue resistance and creep resistance. It is not particularly affected by tempering

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and embrittlement, and exhibits good strength retention at high temperatures and is not easily softened.

SAE AISI 4340 Steel Properties, Heat Treatment, Equivalent

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AISI / SAE 4340 Alloy Steel General characteristics of Alloy Steel 4340 4340 is a nickel-chromium-molybdenum alloy steel known for its toughness and its ability to attain high strengths in the heat-treated condition. It has very good fatigue resistance.

AISI/SAE 4340 Alloy Steel- 4340 Steel Properties | All ...

Category : Steel: Class : Alloy steel: Type : Standard:

Common Names : Nickel-chromium-molybdenum steel:

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Designations : Germany: DIN 1.6565 Japan: JIS SNCM 8 United ...

eFunda: Properties of Alloy Steel AISI 4340

AISI 4340 Steel. AISI 4340 also known as EN24 comes treated in the T condition to 850/1000 N/mm². We offer AISI 4340 in blocks, plate from 10mm thick up to 300mm, diameters from 10mm up to 950mm, squares from 20mm to 300mm and flats 20 x 10 up to 3000 x 300mm from stock.

AISI 4340 Steel - Steel Express

AISI 4340 Steel. Alloy Steel Nickel Chromium Molybdenum Steel. Structural Steel. Equivalent Materials to AISI 4340. Download equivalents as an Excel file Some equivalent

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materials may be stricter whereas others may be outside the bounds of the original material in selected parameters.

AISI 4340 - Equivalent Materials

AISI 4340 (E4340) alloy steel is a medium carbon, low alloy steel known for providing a good balance between strength and malleability. Alloy 4340 is composed of (descending in order by weight): iron, nickel, chromium, manganese, carbon, molybdenum, silicon, phosphorus and sulfur.

4340 Alloy Steel | Material Datasheet

Alloy steels are designated by AISI four-digit numbers. They comprise different kinds of steels having composition exceeding the limitations of B, C, Mn, Mo, Ni, Si, Cr, and Va

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set for carbon steels. AISI 4340 alloy steel is a heat treatable and low alloy steel containing chromium, nickel and molybdenum.

[AISI 4340 Alloy Steel \(UNS G43400\) - AZoM.com](#)

AISI 4140 is a chromium molybdenum alloy steel specification widely used in the oil and gas industry. Similar to grade AISI 4130 but with a slightly higher carbon content. The higher carbon content of AISI 4140 gives greater strength and heat treatment capabilities in comparison to AISI 4130, however it does have inferior weldability characteristics.

[AISI 4140 Steel - Delivered Nationwide by West Yorkshire ...](#)

The addition of vanadium and nickel to 4330V alloy steel

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helps it achieve high strength and hardness in larger diameters in comparison to similar grades such as AISI 4145. With its lower carbon content it has better welding characteristics than AISI 4145. AISI 4330V is commonly supplied quenched and tempered with a hardness of between 35 to 39HRc.

AISI 4330 V Steel - Delivered Nationwide by West Yorkshire

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EN24/ AISI 4340/ 40NiCrMo84. EN24 steel is a medium carbon, low alloy steel known for its toughness and strength in generally large sections. EN24 is likewise one kind of nickel chromium molybdenum steels. It can be supplied hardened and tempered in the tensile range of 930-1080 Mpa as well as

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annealed condition.

EN24/ AISI 4340/ 40NiCrMo84 Alloy Steel Stockist ...

4130 | 4145 | 4330V | 4340 | 8620 | 6150 Form of Supply West Yorkshire Steel are AISI 4140 steel stockholders of round bar. Diameters can be supplied as full bar lengths or cut pieces. AISI 4140 ground steel bar can be supplied, providing a quality alloy steel precision ground bar to tight tolerances.

AISI 4140 Alloy Steel - West Yorkshire Steel

Metal Alloys: Alloy Home: Steels: Alloy Steels: General Information: Properties: Classification: Standard: H-Steels: HSLA: Alloy Steel List: AISI 1xxx: AISI 2xxx: AISI 3xxx: AISI

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4xxx: AISI 5xxx: AISI 6xxx: AISI 8xxx: AISI 9xxx * For other AISI or Non-AISI, please use the search function above or check Grades. ASTM Steels: Specific Alloy Steel ...

eFunda: Properties of Alloy Steel Alloy Steel AISI 4340

AISI 4140 is a chromium-molybdenum alloy steel. It can be heat treated and hardened and offers impressive toughness, though not enough to be made into stainless steel. Widely used across numerous industries, 4140 stands along as one of the most versatile metals on the market.

AISI 4140 Alloy Steel

AISI 4145 is a chromium molybdenum alloy steel grade widely used in the oil and gas sectors. Similar to AISI 4140

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but with a higher carbon content. 4145 is more popular in larger diameters due to its increased strength and hardenability. AISI 4145 is commonly supplied quenched and tempered with a hardness of between 30 to 36HRc.

AISI 4145 - Delivered Nationwide by West Yorkshire Steel ...

AISI 4130 is a chromium molybdenum alloy steel specification. It is supplied as round bar commonly in the hardened and tempered condition with a hardness of 18-22 HRc. With a lower carbon content range AISI 4130 provides better weldability, at the expense of through thickness strength, than that of other oil and gas steel grades such as AISI 4140 .

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[AISI 4130 Steel - Delivered Nationwide by West Yorkshire ...](#)

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