

## MATERIAL AISI 4140%0A

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AISI 4140 Alloy Steel (UNS G41400) - Material Science  
AISI 4140 alloy steel can be tempered at 205 to 649 C (400 to 1200 F) depending upon the desired hardness level. The hardness of the steel can be increased if it has lower tempering temperature. For example, tensile strength of 225 ksi can be achieved by tempering at 316 C (600 F), and a tensile strength of 130 ksi can be achieved by tempering at 538 C (1000 F).

Vanguard Steel LTD. Steel Product Manual  
vanguard steel ltd. product manual index sections contents pages 1, alloy steels aisi 3312 1-3 aisi 4130 4-5 aisi 4140 6-8 aisi 4145 9 aisi 4340 10-12 aisi 8620 13-15

AISI 4140 Steel Bar | 1.7225 - Otai Special Steel

AISI 4140 Steel Bar, Steel Plate, Flats Supplier, Stockist and Exporter. AISI SAE 4140 alloy steel is a chromium molybdenum alloy steel specification widely used in general purpose high tensile steel for components, like axles, shafts, bolts, gears and other applications.

HIGH TENSILE STEEL AISI 4140 - S&T Stainless  
HIGH TENSILE STEEL AISI 4140 AISI 4140 Chrome - Moly High Tensile Steel, generally supplied hardened and tempered to Condition T in sections

SAE-AISI 4140 (SCM440, G41400) Cr-Mo Steel :: MakeItFrom.com

SAE-AISI 4140 steel is an alloy steel formulated for primary forming into wrought products. 4140 is the designation in both the SAE and AISI systems for this material. G41400 is the UNS number. It can have a moderately high tensile strength among the SAE-AISI wrought steels in the database.

4140 HIGH TENSILE STEEL - Interlloy | Engineering Steels

4140 HIGH TENSILE STEEL 4140 is a 1% chromium - molybdenum medium hardenability general purpose high tensile steel - generally supplied hardened and tempered in the tensile range of 850 - 1000 Mpa (condition T). 4140 is now available with improved

E- 218 AISI-SAE Classification of Steels - BLUESHIELD

AISI-SAE CLASSIFICATIONS OF STEELS Base Metals Code Designations and Filler Metal Classifications as per AISI, SAE, ASME and CSA AISI American Iron and Steel Institute SAE Society of Automotive Engineers ASME American Society of Mechanical Engineers CSA Canadian Standards Association AISI-SAE Classification of Steels Classifications Specifications Carbon steels Carbon steels, resulfurized

Widmanstätten Structure of Carbon Steels

The effect of the main factors responsible for the formation of Widmanstatten structure in steel, i.e., the size of austenite grains, the cooling rate, and the chemical composition, is investigated.

#### Steel grades for physical, mechanical and environmental ...

Steel grades for physical, mechanical and environmental data.

#### MatWeb - The Online Materials Information Resource

The search phrase you entered, aisi 1045, is common to 21 materials, by searching on the exact phrase [ "aisi 1045" ] in the most common text fields. Results are displayed up to a maximum of 200 materials per page.

[AISI 4130 Steel | 25CrMo4 | 1.7218 | 708A25 | SCM430](#)

...

AISI 4130 steel alloy is used primarily in the construction of commercial and military aircraft and ground support systems. Alloy steel 4130 is an intermediate strength material. Lighter gauges offer lighter weight but still maintain great strength, making it excellent for auto racing and aerospace.

#### eFunda: Properties of Alloy Steel A356.0

[Materials Alloys Steel Stainless Steel AISI Type 321](#).

[Materials Alloys Steel Alloy Steel ASTM A202 Grade B](#).

[Materials Alloys Steel Alloy Steel AISI 94B30](#)

[HIGH TENSILE STEEL AISI 4340 - S&T Stainless](#)

[HIGH TENSILE STEEL AISI 4340 AISI 4340 Nickel](#)

[Chrome - Moly High Tensile Steel](#), generally supplied hardened and tempered to condition U in sections up to 100mm, with a

#### Mechanical Properties of Boronized AISI 316, AISI 1040 ...

for material designs in which the specific properties are located where they are most needed. Industrial boriding can be applied to most ferrous steels such as structural steels (AISI 1014, 1045, and 4140) as well as to austenitic stainless steels [7]. Thus, boronizing has long been used to improve the surface properties of valves, burner nozzle, etc. in the utility industry as boride layers.

#### FRICITION AND WEAR BEHAVIOR OF PLASMA TRANSFERRED ARC ...

In this study microstructure and wear behavior of AISI 4140 steel surface coated by Boron Carbide was inspected. Ekabor II powder that contains Boron Carbide was mixed with a Nickel base to