

## Steel Grade Name Index Astm International

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### Steel Grade Name Index Astm

712 Steel Grade/Name Index Handbook of Comparative World Steel Standards Designation Specification Page Number 00Cr12 GB 1220-92 534, 536 GB 1221-92 534, 536 GB 3280-92 438, 441

### STEEL GRADE/NAME INDEX - ASTM International

Steel Grade/Name Index 695 Designation Specification Page Number Designation Specification Page Number 1040 ASTM A 513-07 204, 205, 1053 ASME SA-29/SA-29M 31 209, 215, 1055 ASTM A 29/A 29M-05 311042 ASTM A 576-90b (2006) 216, 218, ASTM A 576-90b (2006) 311043 ASTM A 682/A 682M-05 219 1059 SAE J403 NOV01 311044 ASTM A 684/A 684M-06 29 1060 ASME SA ...

### STEEL GRADE/NAME INDEX - ASTM International - Standards ...

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### STEEL GRADE/NAME INDEX - ASTM International - Standards ...

For example, the ASTM 1050 grade steel is so named because it is approximately .50% carbon by weight. However, the tolerance for carbon percentage in the ASTM 1050 standard is .48-.55%. A similar Japanese specification sets carbon between .47-.53%, and allows for silicon and other trace elements, whereas the ASTM standard does not.

### Steel Grades: Conversion from ASTM Standards

EN steel name (Europe) ASTM grade (USA) AISI/SAE grade (USA) UNS (USA) DIN (Germany) BS (UK) UNI (Italy) JIS (Japan) Carbon steels 1.1141 1.0401 1.0453: C15D C18D: 1010 1018: CK15 C15 C16.8: 040A15 080M15 080A15 EN3B: C15 C16 1C15: S12C S15 S15CK S15C 1.0503 1.1191 1.1193 1.1194: C45: 1045: C45 CK45 CF45 CQ45: 060A47 080A46 080M46: C45 1C45 C46 ...

### Steel grades - Wikipedia

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### Steel Index - Table of Steel Grades - peace software

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### Steel Grade Equivalents Table | Universal Steel America

ASTM Steel Grades are steel plates that meet the exacting standards for specific grades of steel developed by the American Society for Testing and Materials. The standards include mechanical properties and steel chemistries and specify the testing methods to be used. For some grades, steelmaking and heat treatment are also specified. You can be confident that these ASTM steel plates will meet your customer's expectations.

### ASTM Steel Plates & Grades | Steel Warehouse

ASTM's steel standards are instrumental in classifying, evaluating, and specifying the material, chemical, mechanical, and metallurgical properties of the different types of steels, which are primarily used in the production of mechanical components, industrial parts, and construction elements, as well as other accessories related to them.

### Steel Standards - ASTM International

ASTM A574 - Standard Specification for Alloy Steel Socket Head Cap Screws. This specification covers complete requirement for quenched and tempered high strength alloy steel hexagon socket head cap screws, 0.060 inch through 4 inch in diameter. ASTM A574M is a complete metric companion to specification ASTM A574.

### ASTM A574 Specification - Boltport Fasteners

Example 1 - ASTM A 106-02a Grade A, Grade B, Grade C - Seamless Carbon Steel Pipe for High-Temperature Service: Typically an increase in alphabet (such as letters A, B, C) results in higher tensile or yield strength steels, and if it's an unalloyed carbon steel, an increase in carbon content;

### Introduction to the ASTM Designation System :: Total ...

Product introduction Standard specification for high-strength low-alloy structural steel, up to 50 ksi [345 MPa] minimum yield point, with atmospheric corrosion resistance. The required ASTM G101 Corrosion Resistance Index must be  $\geq 6.0$ .

### ASTM A588 / A588M steel

Steel grade. Stainless Steel. 410CB Stainless Steel Forging Flat bar , ASTM A437 B4B , 0Cr26Ni5Mo2 , 1Cr18Ni11SiA1Ti , 00Cr18Ni5Mo3Si2 , 1Cr21Ni5Ti , 0Cr13Al , 00Cr12 , 1Cr17 , Y1Cr17 , 1Cr17Mo , 00Cr30Mo2 , 00Cr27Mo , 00Cr17 , 00Cr17Mo , 00Cr18Mo2 , 1Cr15 , 1Cr12 , 1Cr13 , 0Cr13 , Y1Cr13 , 1Cr13Mo , 2Cr13 , 3Cr13 , Y3Cr13 , 3Cr13Mo , 4Cr13 , 1Cr17Ni2 , 7Cr17 , 8Cr17 , 9Cr18 , 11Cr17 , Y11Cr17 , 9Cr18Mo , 9Cr18MoV , 3Cr16 , 0Cr17Ni4Cu4Nb , 0Cr17Ni7Al , 0Cr15Ni7Mo2Al , G-X 8 CrNi 19 9 , G-X 6 ...

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

Steel GradesASTM 1020 Chemical information,Mechanical properties. Physical properties, Mechanical properties, Heat treatment, and Micro structure. This page is mainly introduced the ASTM 1020 Datasheet, including chemical information,mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc.

### **Datasheet for Steel Grades Structure Steel ASTM**

Below are yield, tensile and elongation measurements for two common grades of steel: A36 mild steel and A572-50 high strength low alloy structural steel. The data show that A572-50 can bear a greater load than A36, but A36 is more ductile. Ultrasonic Testing for Defects As mentioned above, laminations can occur during the manufacturing of steel.

### **Common Methods of Testing Steel Material | Leeco Steel, LLC**

ASTM F3125 Standard Specification for High Strength Structural Bolts, Steel and Alloy Steel, Heat Treated, 120 ksi (830 MPa) and 150 ksi (1040 MPa) Minimum Tensile Strength, Inch and Metric Dimensions. This is a combination of previous specifications A325, A325M, A490, A490M, F1852, and F2280.

### **List of ASTM International standards - Wikipedia**

Stainless steels are also included in the AISI steel specifications range. The stainless steels are provided with three digit numbers starting with 2, 3, 4, or 5. The 300 series austenitic stainless grades and the 400 series martensitic grades are the popular stainless steel specifications.

### **SAE/AISI Carbon Steel Naming Conventions**

The SAE steel grades system is a standard alloy numbering system (SAE J1086 - Numbering Metals and Alloys) for steel grades maintained by SAE International.. In the 1930s and 1940s, the American Iron and Steel Institute (AISI) and SAE were both involved in efforts to standardize such a numbering system for steels. These efforts were similar and overlapped significantly.

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