

List of alloys

-- Infographic: 20 Common Metal Alloys and What They're Made Of

(a) The following is a list of metals and alloys. Select from the list one (1) metal or alloy that is best suited for each of the following application and justify at least ONE (1) reason for the choice.

Plain carbon steel	Copper alloy
Tool steel	Titanium alloy
Stainless steel	Magnesium alloy

(i) Coins
(ii) Drill bit

(b) Fig. Q3(b) shows photomicrographs of (i) gray and (ii) malleable cast irons. Compare both cast irons with respect to:

(i) Composition and heat treatment
(ii) Mechanical characteristics.

Fig. Q3(b): Micrographs of (i) gray and (ii) malleable cast irons

Description: -

- Alloys list of alloys

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Notes: Reprinted from American Society for Testing Materials.

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Types of Nickel Alloys and their Properties

Nickel-Chromium-Molybdenum Alloys With similar applications to nickel-molybdenum alloys, nickel-chromium-molybdenum alloys also provide high corrosion resistance especially with regard to reducing acids such as hydrochloric acid and sulfuric acid. This alloy is used for drills, lathe tools, cutters, etc. As the industry continues to innovate in both sustainability and usability, steel will continue to be a vital material across industries that we can infinitely recycle and rely on.

List of Common Alloys Composition, Elements, Uses, Type, Properties and Examples

While nobody knows exactly who invented steel, the alloy has a widely-known cousin that was likely invented in somewhat accidental circumstances. This mixture is made to improve the properties of copper. The carbon content of steel varies from 0.

List of Metal Alloys by Base Metal

Alloys with an Impact The Bronze Age 3,000 BC — 1,200 BC is an important historical period that is rightfully named after one game-changing development: the ability to use bronze.

List of named alloys — Wikipedia Republished // WIKI 2

The 2000s — Present The uses of silver have come a long way since hacksilver and utensils, evolving with time and technology. It is used for plumbing lines, electrical sockets, etc.

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