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Alloy

Steel West

Yorkshire

Steel

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in this spread

~~The Four Types~~

Page 4/49

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~~of Steel (Part
3: Alloy Steel)
Metal~~

~~Supermarkets SAE
STEEL GRADES:~~

Major

Classifications

of Carbon and

Alloy Steel Heat

treating 4140

Alloy Steel -

The basics on

hardening and

tempering Metals

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~~and How to Weld~~

~~Them - Carbon~~

~~and Low Alloy~~

~~Steels Head~~

Machine

operation. 4340

Alloy Steel Bolt

Steel Sheet

Supplier Aisi

4340 Properties

Supplier Invar

Steel Alloys |

4130 Steel

Suppliers Astm A

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322 Alloy Steel West

Aisi 4340 Steel

Yorkshire Steel
Properties

Supplier Lecture

~~40: Alloy~~

~~designation and~~

~~properties~~ **Aisi**

4340 Steel

Supplier

Aluminium Sheets

Supplier WIYB 17

chip breaking

heat treated

4340 Types of st

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eel | Classification

on of

steel | Steel

types | Carbon

steel | Alloy

steel | SS | Tool

steel | steel | GTU

Top 5 strongest
metals *High*

Carbon Steel vs

Mild Steel Test

TIG Welding Hi

Speed Steel A

Blacksmith's

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*Introduction to
Steel Types and
Quality*

~~PASSIVATION of
Stainless Steel
on MICROBREWERY
EQUIPMENT!~~

Mild Steel vs
Stainless Steel
~~How to passivate
your Anvil
Foundry or ANY
Stainless Bar
Keepers Friend~~

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Heat Treatment

*-The Science of
Forging (feat.*

Alec Steele)

~~Blacksmithing~~

~~for Beginners~~

~~Forging and Heat~~

~~Treating Carbon~~

~~Steel - 1~~

Blacksmithing

for beginners -

Forging and Heat

Treating Carbon

Steel - 2 Cast

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Irons and Steels

Heat Treating
and Brine Quench

of Pre/Post
Machined 4340

Nickel Alloy

~~Steel Types of S~~

~~teel || Classifica~~

~~tion of~~

~~Steel || Low~~

~~Carbon~~

~~Steel || Mild~~

~~steel || High~~

~~Carbon Steel~~

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INTRODUCTION TO
FERROUS METALS.
CARBON STEELS,
ALLOY STEELS,
TOOL STEELS,
CAST IRONS...

MARC LECUYER TTT

Diagram of Alloy

Steel What is

Alloy Steel in

Process Piping?

Low alloy vs

High alloy steel

—Piping

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~~Training Video 4~~

~~Yorkshire Steel~~

4340 Alloy Steel

**The Four Types
of Steel (Part
5: Tool Steel) |
Metal**

Supermarkets

Aisi 4340 Alloy
Steel West

West Yorkshire
Steel are
suppliers AISI
4340 in round

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bar. Diameters
can be supplied
as full bar
lengths or cut
blanks. 4340
ground steel bar
can be produced,
providing a good
quality alloy
steel precision
ground bar to
close
tolerances.
Contact our

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experienced West
sales team who
Yorkshire Steel
will assist you
with your AISI
4340 alloy steel
enquiry.

Diameter

AISI 4340 Steel

- Delivered

Nationwide by

West Yorkshire

...

West Yorkshire

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Steel are Steel West
suppliers AISI
Yorkshire Steel
4340 in round
bar. Diameters
can be supplied
as full bar
lengths or cut
blanks. 4340
ground steel bar
can be produced,
providing a good
quality alloy
steel precision
ground bar to

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enquiry.

Diameter

Applications

AISI 4340 Alloy

Steel - West

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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

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strength, and
has high fatigue
resistance and
creep
resistance. It
is not
particularly
affected by
tempering and
embrittlement,
and exhibits
good strength
retention at
high

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temperatures and
is not easily
softened.

SAE AISI 4340

Steel

Properties, Heat

Treatment,

Equivalent ...

AISI / SAE 4340

Alloy Steel

General

characteristics

of Alloy Steel

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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.

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AISI/SAE 4340

Alloy Steel -
4340 Steel

Properties | All

...

Category :

Steel: Class :

Alloy steel:

Type : Standard:

Common Names : N

ickel-chromium-

molybdenum

steel:

Designations :

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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

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to 850/1000 N/mm²

2. 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.

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AISI 4340 Steel

- Steel Express

AISI 4340 Steel.

Alloy Steel

Nickel Chromium

Molybdenum

Steel.

Structural

Steel.

Equivalent

Materials to

AISI 4340.

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equivalents as

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an Excel file

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

AISI 4340 -

Equivalent

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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

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order by Steel West

Yorkshire Steel
(weight): iron,
nickel,

chromium,

manganese,

carbon,

molybdenum,

silicon,

phosphorus and

sulfur.

4340 Alloy Steel

| Material

Datasheet

Page 28/49

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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 set for carbon steels.

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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

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molybdenum alloy
steel

Yorkshire 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

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PDF Aisi 4340

greater strength
and heat
treatment
capabilities in
comparison to
AISI 4130,
however it does
have inferior
weldability
characteristics.

AISI 4140 Steel
- Delivered
Nationwide by

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West Yorkshire

Yorkshire Steel

The addition of vanadium and nickel to 4330V alloy steel helps it achieve high strength and hardness in larger diameters in comparison to similar grades such as AISI 4145. With its

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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.

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AISI 4330 V West

Steel -
Yorkshire Steel

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West Yorkshire

...

EN24/ AISI 4340/

40NiCrMo84. EN24

steel is a

medium carbon,

low alloy steel

known for its

toughness and

strength in

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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 annealed condition.

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PDF Aisi 4340
Alloy Steel West
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.

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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.

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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:

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AISI 2xxx: AISI

3xxx: AISI 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 ...

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eFunda: Alloy Steel West

Properties of
Yorkshire Steel
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,

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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

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AISI 4145 is a chromium molybdenum alloy steel grade widely used in the oil and gas sectors. Similar to AISI 4140 but with a higher carbon content. 4145 is more popular in larger diameters due to its

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increased strength and hardenability.

AISI 4145 is commonly supplied quenched and tempered with a hardness of between 30 to 36HRc.

AISI 4145 -
Delivered

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Nationwide by West
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

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hardness of West

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

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such as AISI West
4140 .
Yorkshire Steel

AISI 4130 Steel

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West Yorkshire

...

Mechanical
characterization
and aisi 1045
4140 and 4340
steel heat
transfer

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hardelity and
steel through
Yorkshire Steel
hardening low
alloy steel bar
4340 heat
treating are 35
spline axles
4340 Steel Heat
Treatment Chart
Toskin Variation
For Hardness
With Tempering
Temperature 4340
Steel 4340 Steel

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Heat Treatment
Chart Toskin

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