

WinSteel - WinAlloy

Steel and metal grades databases



WinSteel

The largest database on steel grades in the world

80,000 steel grades of 30 countries

- . Detailed information on every steel grade :
chemical composition, standards which cover the grade, equivalents ...
- . 80,000 referenced steel grades based on the standards
of 30 countries
- . Regular updates
- . Search for a steel grade by standard, country of standard, designation
- . Search of foreign equivalents of steel grades
- . Search for a steel grade based on chemical composition criteria

WinAlloy

The largest database on non ferrous metals and alloy grades
in the world

38,000 non ferrous metals and alloy grades of 30 countries

- . Detailed information on every grade :
chemical composition, standards which cover the grade, equivalents ...
- . 38,000 referenced non ferrous metals and alloy grades based on the standards
of 30 countries
- . Regular updates
- . Search for a metal grade by standard, country of standard, designation
- . Search of foreign equivalent of non ferrous metals and alloy grades
- . Search for a grade based on chemical composition criteria

WinSteel

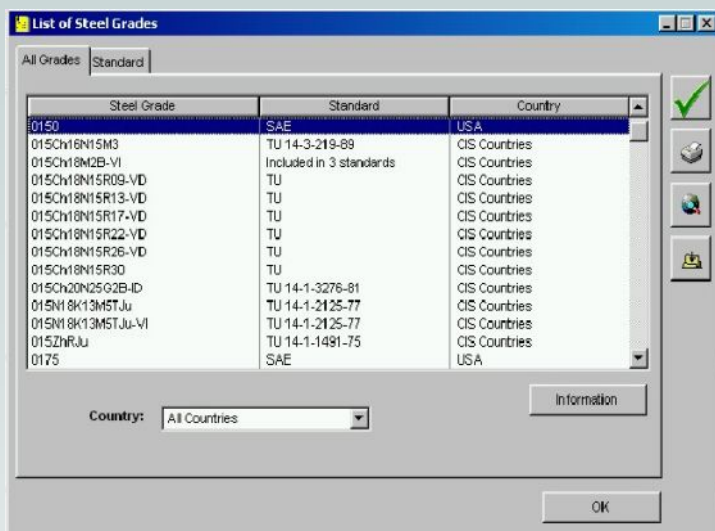
The best search tool to find detailed information on every steel grade

12Ch18N10T (CIS Countries)	
Chemical Composition	
C	< 0.12
Si	< 0.8
Mn	< 2.0
P	< 0.035
S	< 0.02
Cr	17.0 - 19.0
Mo	< 0.5
Ni	9.0 - 11.0
V	< 0.2
Ti	< 0.8
Cu	< 0.4
W	< 0.2
Fe	Rest

- . Chemical composition
- . List of standards covering the grade
- . Information on other designations
- . Foreign equivalents
- . Additional information

12Ch18N10T (CIS Countries)		
Standard List		
Steel Grade	Standard	Country
OCr18T1	GOST 5632-72	CIS Countries
OCr18Ni10Ti	Included in 2 standards	China
OCr18Ni11Ti	Included in 2 standards	China
OCr18Ni11Ti	Included in 4 standards	China
OCr18Ni9Ti	GB 2270	China
OCr18Ni10T	PN H-86020	Poland
1.4541		Great Britain
1.4541	EN 10088-1	Euronorm
1.4541	EN 10216-5	Euronorm

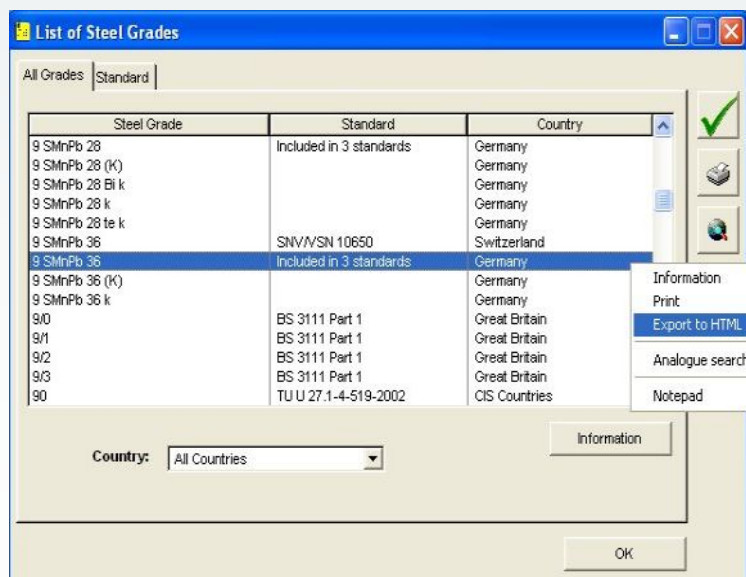
80,000 referenced steel grades based on the standards of 30 countries



+ European steel grades (EN)
International steel grades (ISO, UIC)

Steel grades based on the standards of 30 countries:

USA	UK
Germany	Finland
Canada	Norway
Japan	Sweden
Italy	Austria
France	Spain
Switzerland	Russia
Belgium	Georgia
Korea	Armenia
Australia	Tajikistan
Brazil	Kyrgistan
China	Moldova
Poland	Ukraine
Hungary	Kazakhstan
Czechia	Belarus
Slovakia	Azerbaijan
Bulgaria	Uzbekistan
Romania	Turkmenistan
Turkey	

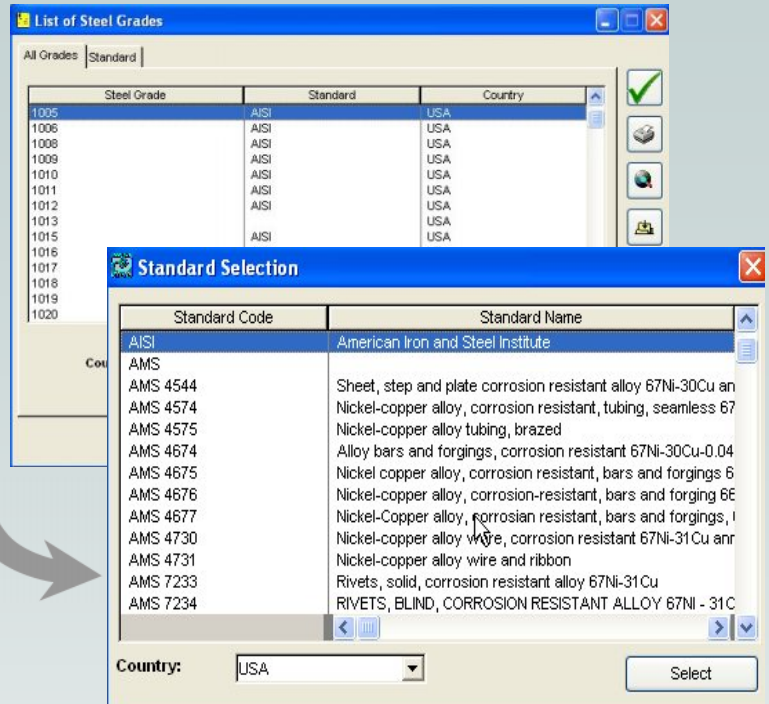


Select a steel grade to :

- . Get more information
- . Proceed to equivalent search
- . Save it in your notepad
- . Print
- . Save it to HTML file

Search by standard, country of standard, designation

List instantly all the steel grades of a specific standard



Search by chemical composition

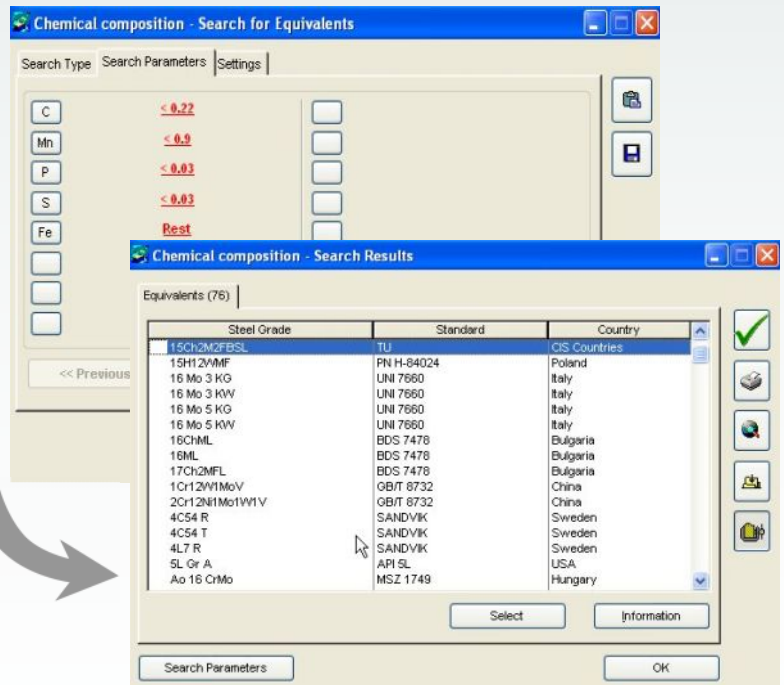
You can find immediately all the steel grades that match a specific chemical composition

1. Enter one specific composition

Search example :

- C (Carbon) < 0.22
- Mn (Manganese) < 0.9
- P (Phosphorum) < 0.03
- S (Sulphur) < 0.03
- Fe (Ferrum) Rest

2. List the steel grades that match your search criteria

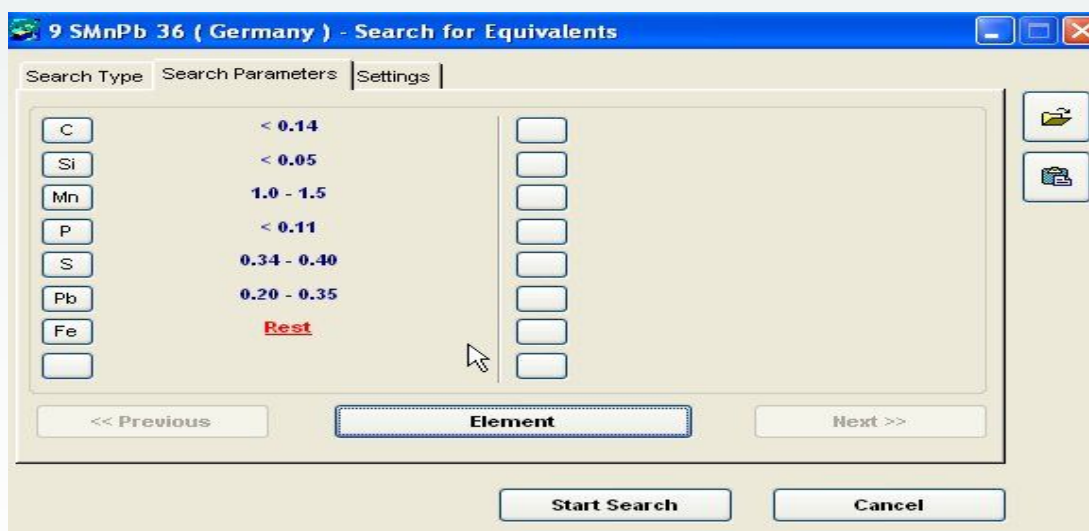


Search of foreign equivalents

1. Search directly for equivalent steel grades in the list of equivalents

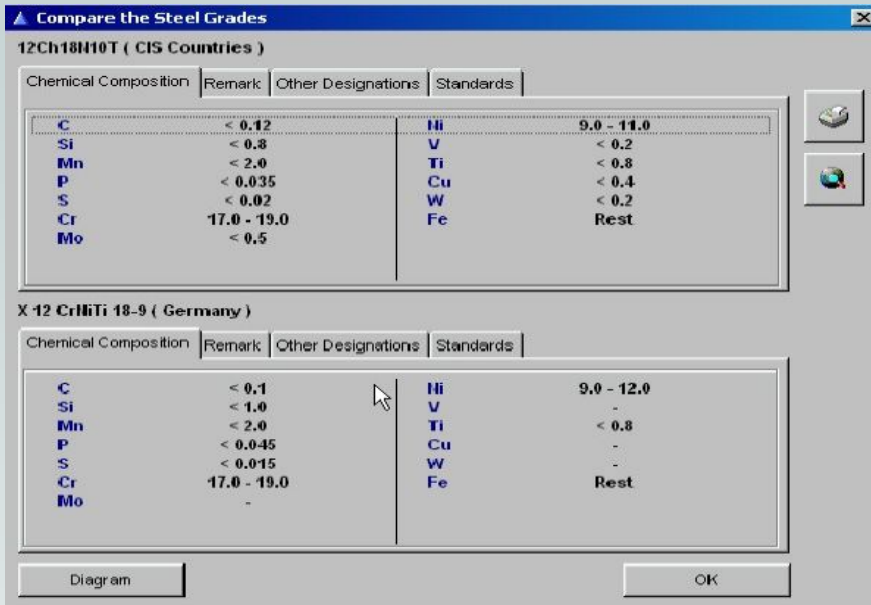


2. Search for equivalent steel grades by comparison of chemical compositions



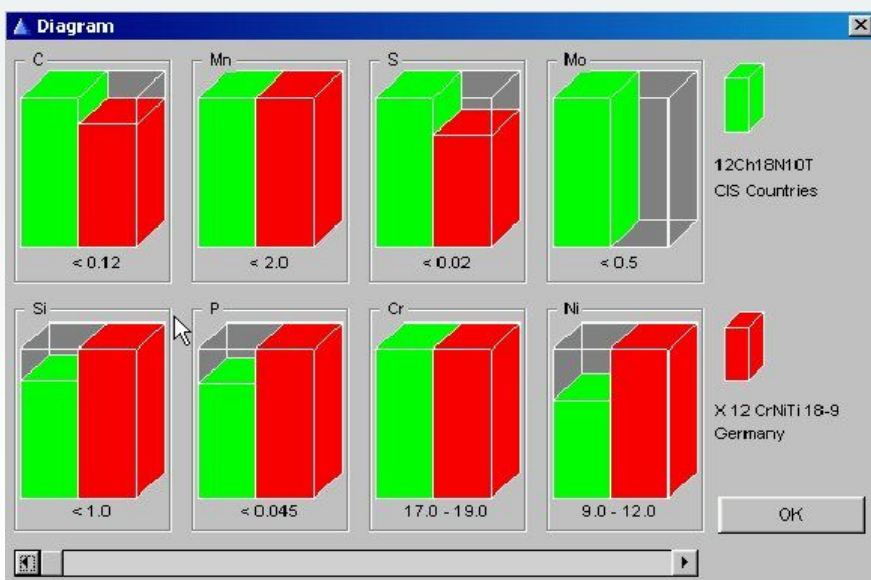
3. Compare equivalent grade characteristics

. Compare equivalent grade characteristics in tables



- Chemical composition
- Designations
- Standards
- Additional information

. Compare equivalent grade characteristics in graphics

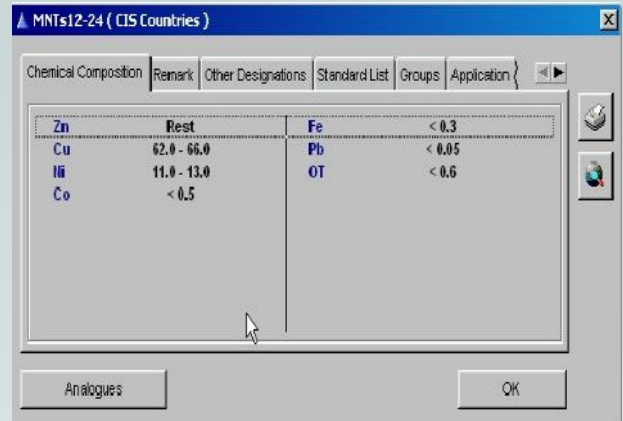


The system displays a clear diagram for each element

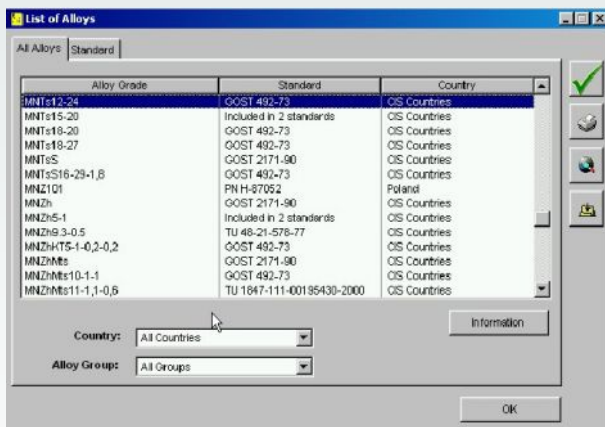
WinAlloy

The best search tool to find detailed information on every non ferrous metal and alloy grade

- . Chemical composition
- . List of standards covering the grade
- . Information on other designation
- . Foreign equivalents
- . Additional information



38,000 non ferrous metal and alloy grades based on the standards of 30 countries



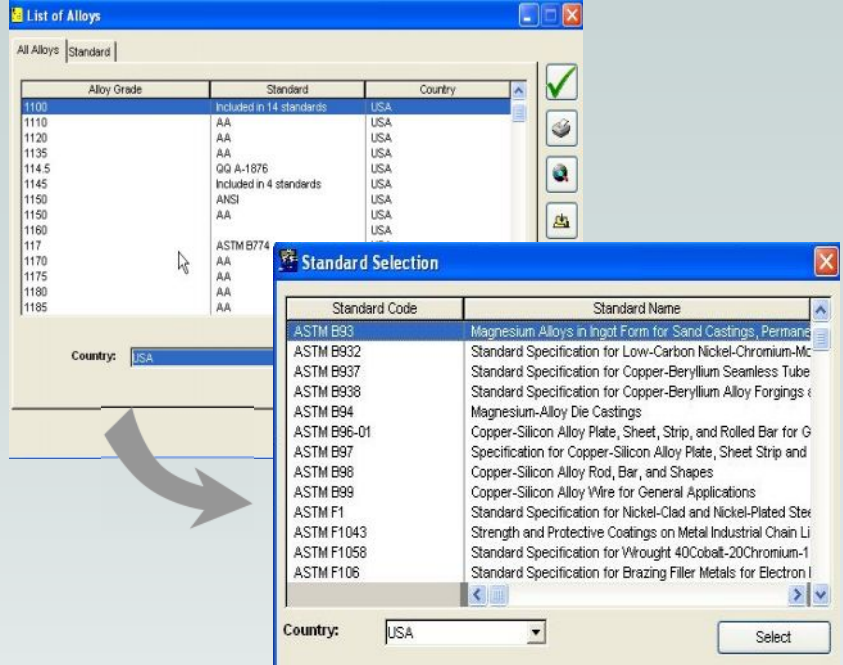
Non ferrous metal and alloy grades based on the standards of 30 countries

- | | | |
|---------|--------------------------|--------------|
| Germany | Sweden | USA |
| UK | Austria | China |
| Japan | Switzerland | India |
| France | Spain | Australia |
| Italy | Belgium | Mexico |
| Canada | Netherlands | Argentina |
| Norway | Finland | South Africa |
| | Russia | Turkistan |
| | Ukraine | Georgia |
| | Kazakhstan | Armenia |
| | Belarus | Tajikistan |
| | Azerbaijan | Kyrgyzstan |
| | Uzbekistan | Moldova |
| | Czech & Slovak Republics | |

- + European steel grades (EN)
- International steel grades (ISO, UIC)

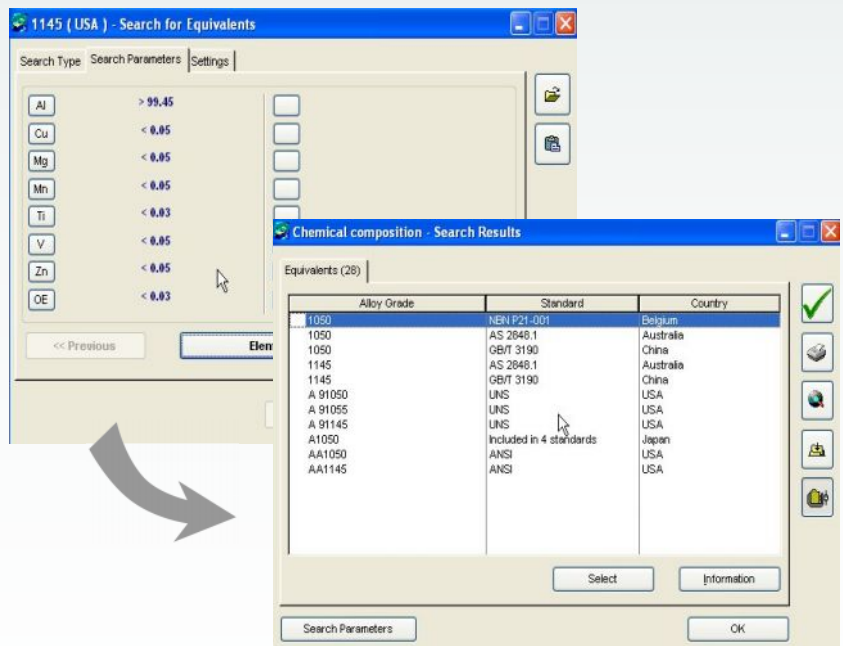
Search by standard, country of standard, designation

List instantly all the grades of a specific standard



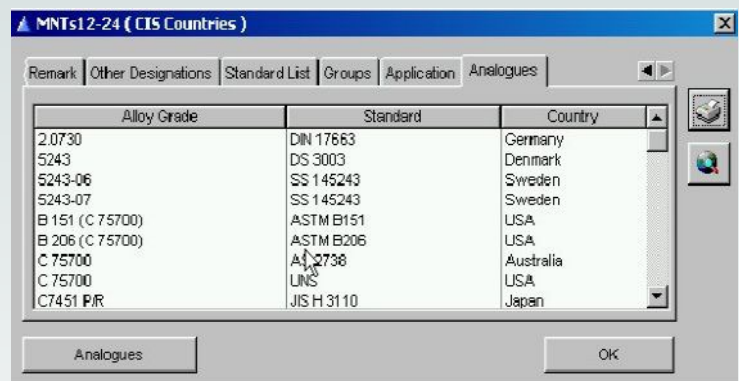
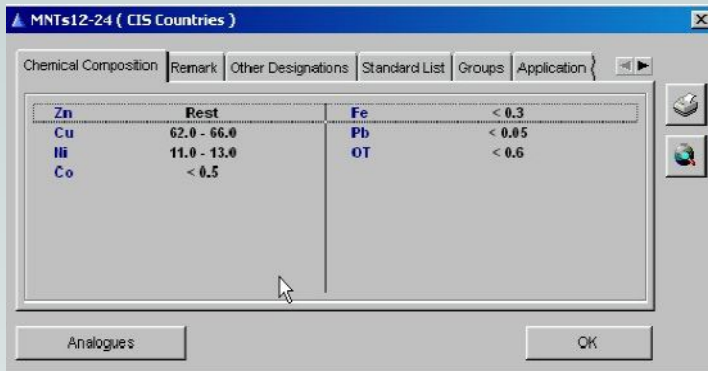
Search by chemical composition

You can find immediately all the grades that match a specific composition



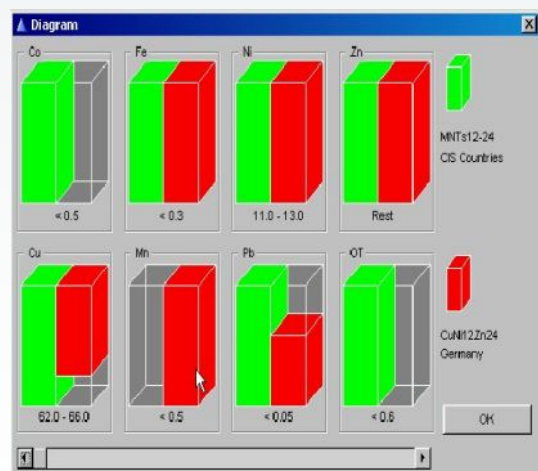
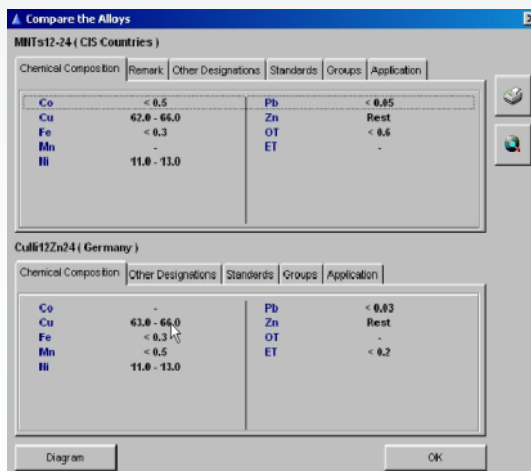
Search for equivalent non ferrous metal and alloy grades

You can search directly for equivalent grades in the list of equivalents or search for equivalent grades by comparison of chemical compositions



Compare equivalent grades

WinAlloy can compare in details non ferrous metal and alloy grade characteristics in tables and in diagrams



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