

Overview of Major Steels



Advanced

There is an overwhelmingly large variety of steels out there, and no way to give a systematic overview in less than several hundred pages. It doesn't help much either that one kind of steel carries [different names](#) or classifications in different countries, or in one country at different times. What follows is therefore my subjective selection of some kinds of steels I found interesting, in particular because they illustrate some of the general points made in the hyperscript.

I also must tell you right away that the information you can find about one kind of steel, or certain classes of steel, always agrees on the essentials but often not on details. In order to make reading easy I will not discuss conflicting views but give only my point of view - and that might be wrong; I'm not a steel expert after all.

What is accessible from this link hub is:

1. [Classifying Steels](#)

A few essentials about the general classification of steels. This will be done in a *qualitative* way, and not in one of the more or less incomprehensible formal systems. You only need to know about those if you really make, buy or use steel.

2. [Some Common Steels](#)

The steels all of us encounter every day (usually without noticing).

3. [Some Special Steels](#)

Steels with some special structures / properties.

4. [Scientific Steels](#)

Steel that were not "designed" by tinkering around, based on some gut feeling, the accumulated experience in the field plus plenty of trial and error but by all of that *plus* some scientific insights that helped to get there.

● If you're not happy with the choices and designations I have made in this super-module: Tough luck. Go write your own book.