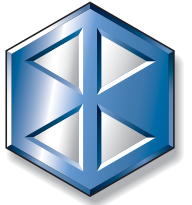
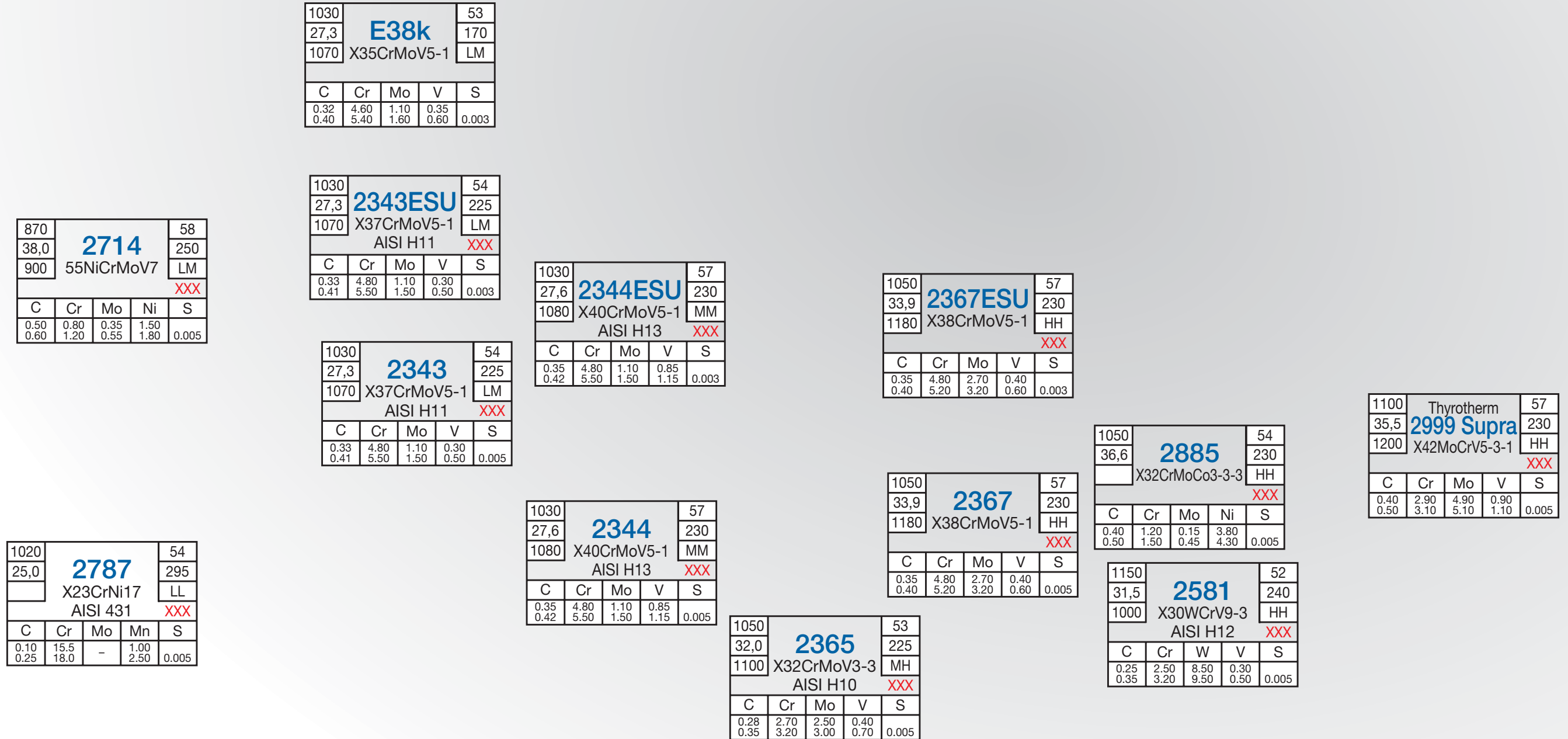


Schematic family tree of the hot work tool steels



Increasing high-temperature toughness



- a. Max. hardening temperature (°C)
- b. Thermal conductivity at 350° (W/m*K)*
- c. High temperature strength at 500°C (MPa)
- D. German material number
- e. Abbreviated name

a	1.DDDD				f
b					g
c	eeeeeeee				h(12)
AISI designation					XXX
C	Si	Mo	V	S	
min.					
max.					

- f. Max. hardness (HRC)
 - g. Max. annealed hardness (HB)
 - h. Properties →
 - 1- Tempering resistance
 - 2- Thermal shock resistance
- XXX = Available from stock
- H: High / good
M: Moderate
L: Low

* Datas valid for standard application strengths