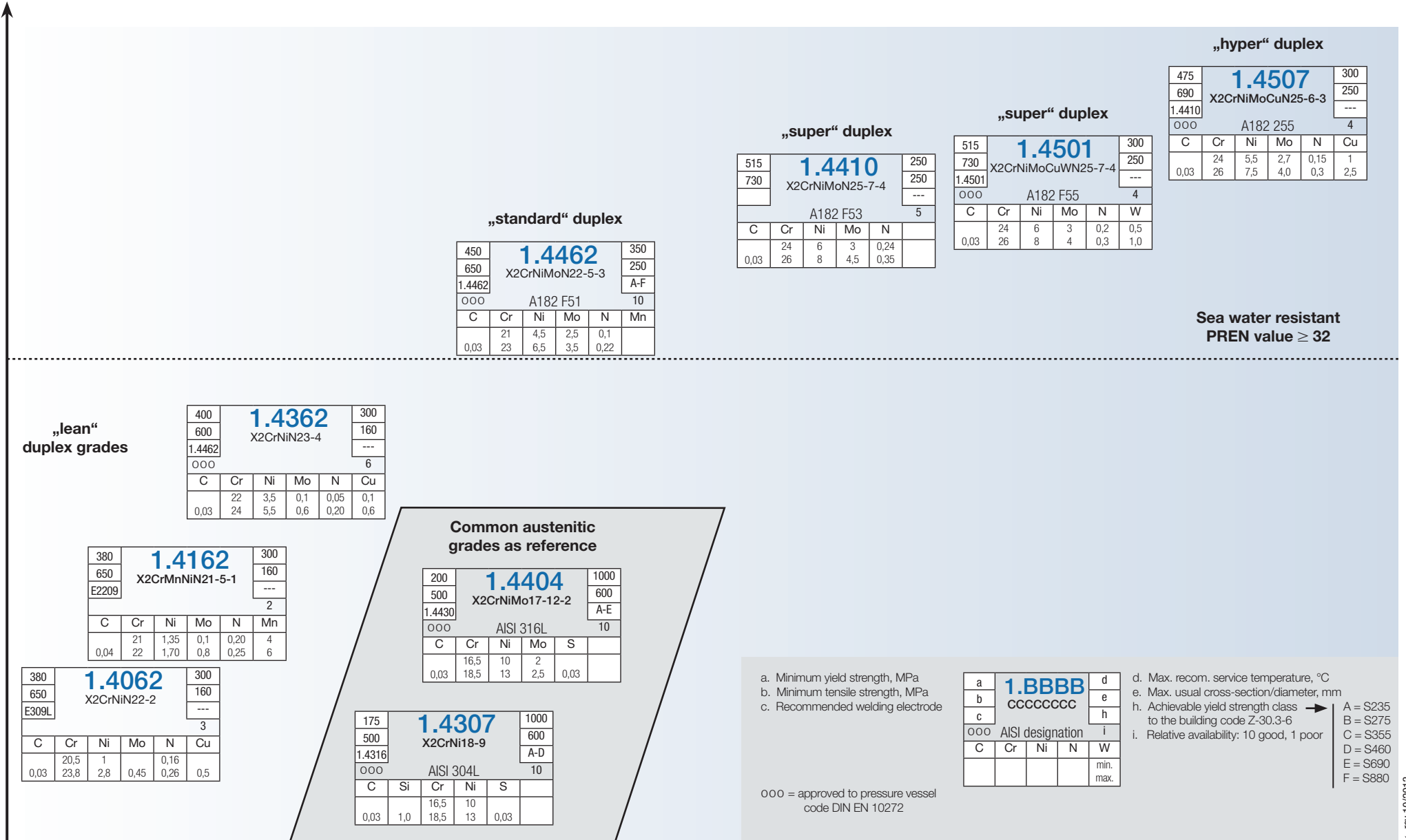


Schematic „family tree“ of the duplex stainless steels

Relative corrosion resistance



a. Minimum yield strength, MPa
 b. Minimum tensile strength, MPa
 c. Recommended welding electrode

a	1.BBBB	d		
b	CCCCCCC	e		
c		h		
		i		
000	AISI designation			
C	Cr	Ni	N	W
				min.
				max.

d. Max. recom. service temperature, °C
 e. Max. usual cross-section/diameter, mm
 h. Achievable yield strength class to the building code Z-30.3-6
 i. Relative availability: 10 good, 1 poor

A = S235
 B = S275
 C = S355
 D = S460
 E = S690
 F = S880

000 = approved to pressure vessel code DIN EN 10272