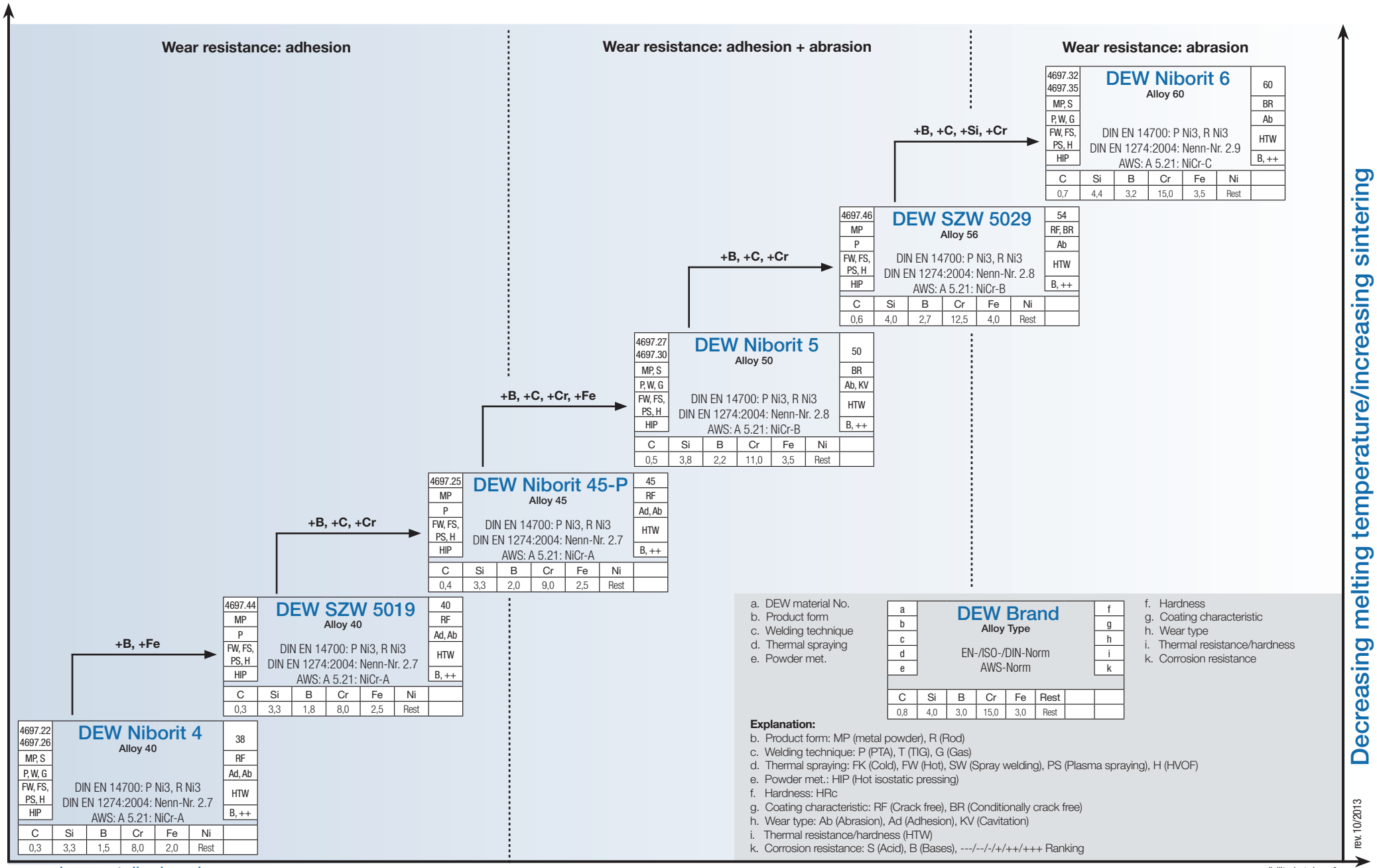
Schematic „family tree“
for Ni-Cr-Si-B-alloys (Niborite)/self-fluxing alloys

Deutsche Edelstahlwerke

Member of Swiss Steel Group



a. DEW material No.
b. Product form
c. Welding technique
d. Thermal spraying
e. Powder met.

a | b | c | d | e
DEW Brand
Alloy Type
EN-/ISO-/DIN-Norm
AWS-Norm
f | g | h | i | k
C 0,8 | Si 4,0 | B 3,0 | Cr 15,0 | Fe 3,0 | Rest Rest

f. Hardness
g. Coating characteristic
h. Wear type
i. Thermal resistance/hardness
k. Corrosion resistance

Explanation:
b. Product form: MP (metal powder), R (Rod)
c. Welding technique: P (PTA), T (TIG), G (Gas)
d. Thermal spraying: FK (Cold), FW (Hot), SW (Spray welding), PS (Plasma spraying), H (HVOF)
e. Powder met.: HIP (Hot isostatic pressing)
f. Hardness: HRc
g. Coating characteristic: RF (Crack free), BR (Conditionally crack free)
h. Wear type: Ab (Abrasion), Ad (Adhesion), KV (Cavitation)
i. Thermal resistance/hardness (HTW)
k. Corrosion resistance: S (Acid), B (Bases), ---/--/-/+/++/+++ Ranking