

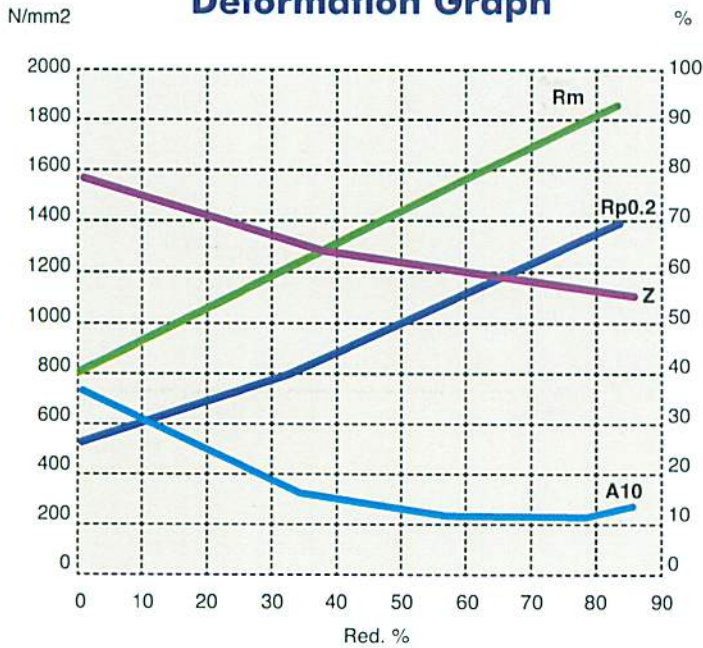
DUPLEX



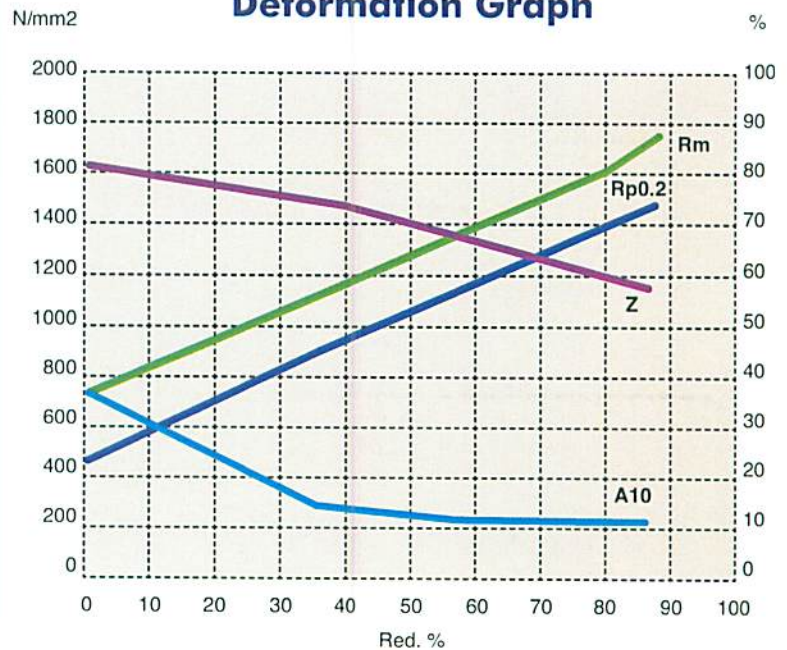
Chemical composition (nominal) %

Grades	Standard	C	Cr	Ni	Mo	Mn	N	Characteristics / Main uses
211 SGB	EN 10088-1 1.4162	0,03	21,00	1,50	0,30	5,00	0,25	211 SGB is a low-alloyed duplex steel with a high mechanical strength due to its duplex microstructure. This grade has a good weldability and a general corrosion resistance at least as good as the austenitic grade 302/304L. Typical applications are rod and wire for general-purpose applications and environments and products for building and constructions.
324 SGB	EN 10088-1 1.4362	0,02	23,00	4,50	0,30	1,00	0,10	324 SGB is a duplex steel with corrosion resistance properties similar to 316L. With its duplex microstructure and high chromium and low nickel contents, the alloy has improved stress corrosion resistance properties. This grade has a good weldability and is particularly suitable for applications within temperature range -30/+250 C
329 SGB	EN 10088-1 1.4462	0,02	22,00	5,50	3,00	0,85	0,15	329 SGB is a duplex steel, which has a high resistance to general corrosion. The duplex structure results in high mechanical properties. Typical applications are wire for springs and general uses under severely corrosive environments.

211 SGB Deformation Graph



324 SGB Deformation Graph



General corrosion resistance table

