

# STAINLESS STEEL FILLER METAL

heat resisting type

# ER 310 SGB

## DESCRIPTION and APPLICATIONS



Fully austenitic stainless steel filler metal suitable for welding parent metals of similar composition. The weld deposit guarantees high temperature resistance in oxidizing atmospheres

Chemical composition product analysis % by mass ( single value means maximum value if not different stated )												
C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	Nb	W	other
0,08	0,3	1,0	0,03	0,02	25,0	20,0	0,3	-	0,3	-	-	0,5
0,15	0,65	2,5			27,0	22,0						

Specifications	Designations
EN ISO 14343-A	25 20
AWS A5.9	ER310

Expected Minimum mechanical properties of all weld metal *	Typical Results
Proof strenght Rp0,2 [ Mpa ]	350
Tensile strenght Rm [ Mpa ]	550
Elongation [ % ]	20
Impact strength KV [ J ]	100
( * ) : Room temperature if not different stated	

WELDING FILLER METAL SPECIFIC TO	AVAILABLE DIAMETERS [ mm ]							
	0,8	1,0	1,2	1,6	2,0	2,4	3,2	4,0
MIG, PLASMA, PLASMA MIG, LASER								
TIG								

PACKAGING TYPE	WIRE RANGE DIAMETERS [ mm ]	INNER PACKAGING DIAMETER [ mm ]	OUTER PACKAGING DIAMETER [ mm ]	NUMBER OF PIECES PER PACKAGING	WEIGHT [ kg ]	WINDING TYPE
 K300	0,8÷1,6	52	300	60 spools every pallet	15	Precision layer
 RODS	1,0÷4,0 ( lenght 1 m )	-	-	-	5	-