

Submerged arc cored wires for anti-wear and anti-corrosion

Product Name Classification AWS Classification EN Classification DIN	Mechanical Properties Typical Values	Size (mm)	Approvals	Characteristics and Applications
SK-C 430C-SA DIN 8555: UP 5-GF-200-C	Hardness as welded: 170 HB (160 – 200 HB)	3.2	-	Alloy depositing a ferritic steel containing 17% Chromium designed to resist corrosion at high temperatures, particularly in presence of sulphurous gas. Field of use: Continuous casting rollers situated at the top of the line, valves, steam and gas turbine parts, valve seats.
SK-C 742N-SK DIN 8555: UP 5-GF-45-C	Hardness as welded: 40 HRC (37 to 42 HRC)	2.4 3.2	-	Alloy depositing a ferritic-martensitic steel with addition of Nitrogen designed to enhance the resistance to thermal fatigue and intragranular corrosion by reducing the formation of carbides at grain boundaries. Field of use: Continuous casting rollers.
SK 242-S DIN 8555: UP 1-GF-40-P	Hardness as welded: 40 HRC	3.2	-	Submerged arc surfacing wire for rebuilding and hard surfacing alloy of Carbon steel parts subjected to adhesive wear with impacts. Field of use: Crawler tractor rollers and idlers, shafts, cylinders, mine car wheels, crane wheels.
SK 258 NbC-SA DIN 8555: UP 6-GF-60-G	Hardness as welded: 57 HRC	3.2	-	Sub-arc flux-cored wire designed to deposit a crack-free martensitic alloy. Field of use: Inter-particles crusher rollers.

Submerged arc welding fluxes for anti-wear and anti-corrosion

Product Name Classification AWS Classification EN Classification DIN	Main (mm)	Characteristics and Applications
RECORD SK EN 760: SA FB 3	Grain size: 0.4 – 1.4 mm (14 x 40 N° ASTM)	Special agglomerated flux for hardfacing with high Nitrogen containing flux cored wire as SK 742N-SK. Very good slag removal and weld bead appearance make this flux particularly suitable for the hardfacing of continuous casting rolls.
RECORD SA EN 760: SA FB 3	Grain size: 0.4 – 1.4 mm (14 x 40 N° ASTM)	Highly basic agglomerated flux designed for hardfacing with cored wires or solid wires. Very good slag removal even at high welding intensity levels. Suitable with DC or AC.

