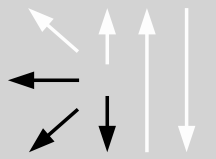


Classifications							
SAW solid wire:				SAW flux:			
EN ISO 24598-A		AWS A5.23		EN ISO 14174			
S ZCrWV2 1.5		EB23		SA FB 1 55 AC			
SAW wire/flux combination							
EN ISO 24598-A							
S S ZCrWV2 1.5 FB							
Characteristics and typical fields of application							
<p>Böhler B 23-UP is a matching filler metal for welding high temperature and creep resistant steels such as HCM2S (P23/T23 acc. to ASTM A213 code case 2199), pipe or tube material.</p> <p>BB 430 is an agglomerated welding flux of the fluoride-basic type with high basicity. For information regarding the sub-arc welding flux BÖHLER BB 430 see our detailed data sheet.</p>							
Base materials							
HCM2S, ASTM A 182 Gr. F23; A 213 Gr. T23 (code case 2199); A335 Gr. P23							
Typical analysis of the wire and of all-weld metal (wt.-%)							
	C	Si	Mn	Cr	W	V	Nb
wt.-%	0.07	0.35	0.5	2.2	1.7	0.22	0.04
	0.06	0.4	0.6	2.1	1.6	0.18	0.04
Mechanical properties of all-weld metal							
Condition	Yield strength R _{p0,2}		Tensile strength R _m		Elongation A (L ₀ =5d ₀)		Impact work ISO-V KV J
	MPa		MPa		%		+20 °C
a	≥ 500		≥ 600		≥ 15		≥ 54
a annealed 740 °C/2 h							
Operating data							
		Polarity: DC (+)		Redrying of sub arc flux: 300 – 350 °C, 2 – 10 h		ø (mm) 2.0 2.5 3.0	
Preheat and interpass temp.: 200 – 300 °C. Heat input ≤ 2,0 kJ/mm.							
Approvals							
Wire/flux combination: TÜV (10556.), CE							