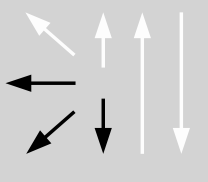


<b>Classifications</b>					
SAW solid wire:			SAW flux:		
<b>EN ISO 24598-A</b>	<b>EN ISO 24598-B</b>	<b>AWS A5.23</b>	<b>EN ISO 14174</b>		
S S CrMo5	SU 5CM	EB6	SA FB 1 65 DC H5		
SAW wire/flux combination					
<b>EN ISO 24598-A</b>	<b>EN ISO 24598-B</b>	<b>AWS A5.23</b>	<b>AWS A5.23M</b>		
S S CrMo5 FB	S 55 Y FB SU 5CM	F8PZ-EB6-B6	F55PZ-EB6-B6		
<b>Characteristics and typical fields of application</b>					
<p>Sub arc wire/flux combination suited for 5 % Cr 0.5 % Mo alloyed steels, particularly for hot hydrogen service. High temperature strength at service temperatures up to +650 °C. The weld deposit exhibits good mechanical properties. Easy slag detachability and smooth bead surface are additional quality features. For information regarding the sub-arc welding flux BÖHLER BB 24 see our detailed data sheet.</p>					
<b>Base materials</b>					
<p>Similar alloyed creep resistant steels and cast steels 1.7362 X12CrMo5 ASTM A 182 Gr. F5; A 193 Gr. B5; A 213 Gr. T5; A217 Gr. C5; A 234 Gr. WP5; A 314 Gr. 501; A335 Gr. P5 u. P5c; A 369 Gr. FB 5; A 387 Gr. 5; A 426 Gr. CP5</p>					
<b>Typical analysis of the wire and of all-weld metal (wt.-%)</b>					
	C	Si	Mn	Cr	Mo
SAW wire wt.-%	0.08	0.3	0.5	5.8	0.60
all-weld metal %	0.06	0.4	0.55	5.5	0.55
<b>Mechanical properties of all-weld metal</b>					
Condition	Yield strength R <sub>p0,2</sub>	Tensile strength R <sub>m</sub>	Elongation A (L <sub>0</sub> =5d <sub>0</sub> )	Impact work ISO-V KV J	
	MPa	MPa	%	+20 °C	
a	≥ 470	590 – 700	≥ 18	≥ 47	
a     annealed 740 °C/4 h / furnace down to 300 °C / air					
<b>Operating data</b>					
	<b>Polarity:</b> DC (+) / DC (-)	<b>Redrying of sub-arc flux:</b> 300 – 350 °C / 2 – 10 h	<b>ø (mm)</b> 4.0		
Preheating and interpass temperature and post weld heat treatment are determined by the base metal.					
<b>Approvals</b>					
Wire: TÜV (02605.), SEPROZ, CE					