

## BÖHLER alform® 960-IG

Solid Wire, low-alloyed, high strength

Classification	IS											
EN ISO 16834-A							AWS A5.28 / SFA-5.28					
G 89 5 M21 Mn4Ni2,5CrMo							ER120S-G					
Characteristic	cs and ty	pical fiel	ds of a	pplicati	on							
High-strength, m Optimized and te resistance to col For use in crane	ested weld d cracking	ing results due to higl	with the 1 purity	e steel alfo	orm	® 960 x-ti						
Base materia	ls											
S960 and higher	strength g	grades, ther	mo me	chanically	trea	ated fine g	rain steel	s aliç	gned to alform®	© 960 x-tre	me	
Typical analy	sis											
	C Si		Si	Si		Mn				Ni		Мо
wt%	0.12	0.12 0.80				1.90		0.45		2.35		0.55
Mechanical p	roperties	s of all-w	eld me	etal - typ	oica	l values	(min. va	alue	s)			
Condition		Yield stren	2 Tensile streng			gth R <sub>m</sub> E		Elongation A $(L_0 = 5d_0)$		Impact energy ISO-V KV J		
		MPa		MPa				%		-50°C		
u nach EN ISO $\geq 930$		2		≥ 9	≥ 980			14		≥ 47		
u untreated, as v	velded – s	hielding gas	s Ar + 1	5 – 25 %	CO <sub>2</sub>	2						
Operating dat	ta											
× † †	Polarity		DC+					Dimension mm				
	Shielding gas			M21					1.0			
	(EN ISO 14175)							1.2				
Preheating and i	nterpass t	emperature	as requ	uired by th	ne ba	ase metal.						
Approvals												
DB (42.132.64),	CE											