

BÖHLER X 70-IG

Solid Wire, low-alloyed, high strength

1										
Classification	S									
EN ISO 16834-A -					AWS A5.28 / SFA-5.28					
G 69 5 M21 Mn3Ni1CrMo					ER110S-G					
Characteristic	cs and typical	fields of a	pplic	ation						
Due to the precis	he welding of hig se addition of mic ryogenic impact e	ro-alloying e	elemen	nts X 70-IG wire 1						
Base material	ls									
	ne-grained steels ur 620 Q, 620 QL									
Typical analys	sis									
	С	Si		Mn	Cr	Ni		Мо	V	
wt%	0.1	0.6		1.6	0.25	1.3		0.25	0	.1
Mechanical p	roperties of al	I-weld me	tal - t	typical values	(min. value	s)				
Condition	Yield strength R _{p0.2}		Tensile strength R_{m}		Elongation A	$(L_0 = 5d_0)$	Impact energy ISO-V KV J			
	MPa		MPa		%		20°C		-50°C	
J	800 (≥690)		900 (770 - 940)		19 (≥17)		190		≥47	
untreated, as v	velded – shielding	g gas Ar + 1	5 – 25	% CO ₂						
Operating dat	a									
Image: Polarity Image: Polarity Image: Shielding gas (EN ISO 14175)			DC+			Dimension mm				
		M20 M21			0.8 1.0	1.0				
					1.2 1.6					
0	nterpass tempera	iture as requ	iired by	y the base metal						
Approvals										
TÜV (05547), DB	(42.132.77), ABS	s, BV , DNV, L	R (Sup	opl. List), CE						