

## **BÖHLER X 70-IG**

Solid Wire, low-alloyed, high strength

Classificatio	ns										
EN ISO 16834-A -						AWS A5.28 / SFA-5.28					
G 69 5 M Mn3Ni1CrMo						ER110S-G					
Characterist	ics an	nd typical f	ields of a	applic	ation						
	cise add	dition of micr	o-alloying	elemer	eated, fine-grain nts X 70-IG wire 0°C.						
Base materi	als										
					690Q, S690QL, QL ASTM A 514						
Typical anal	ysis										
C		Si		Mn		Cr	Ni	Мо		١	V
wt%	0.1		0.6		1.6	0.25	1.3		0.25		0.1
Mechanical	prope	rties of all	-weld m	etal -	typical values	s (min. value	s)				
ondition Yield		Yield streng	rield strength R <sub>p0.2</sub> Ter		Tensile strength R <sub>m</sub> Elongation		A (L <sub>0</sub> =5d <sub>0</sub> ) Impact ene		ergy ISO-V KV J		
MPa		MPa	Pa MF			%		20°C		-50°C	
800 (≥690)				770 – 940)	19 (≥17)		190		≥47		
u untreated, as	welded	d – shielding	gas Ar + 1	15 – 25	i% CO <sub>2</sub>						
Operating da	ata										
× † †	Po	Polarity		DC+			Dimen	Dimension mm			
		Shielding gas (EN ISO 14175)					0.8 1.0	1.0			
							1.2 1.6				
Preheating and	l interpa	ass temperat	ure as req	uired b	y the base meta	Ι.					
Approvals											
				LD (C	ppl. List), CE						