X-WIRES / *X*TREME7 ALLOYED

SPECIAL ALLOYED SLICKLINE WIRE

CHEMICAL COMPOSITION OF STAINLESS STEEL *X*TREME7												
Grade	C	Si	Mn	p	S	Cr	Mo	Ni	N	Cu	Ti	PREN*
*X*TREME7	0.014	0.28	0.79	0.02	0.001	20.9	6.3	24.3	0.182	0.59	-	47

* PREN: Pitting Resistance Equivalent Number (PREN= %Cr + (3.3 x %Mo) + (30 x %N))

PHYSICAL PROPERTIES *X*TREME7		
Density, lb/in3- g/cm3		0.290 – 8.03
Melting Range:	°F °C	2410-2550 1320-1400
Specific Heat:	Btu/lb•°F J/kg•°C	0.12 500
Electrical Resistivity, ohm•circ mil/ft. µΩ•m		480 0.80
Permeability at 200 oersted (15.9 kA/m)		1.005
Permeability at 200 oersted (15.9 kA/m) at -22°F (-30°C)	Annealed 50% cold-worked	<1.01 <1.01
Curie Temperature	Annealed 50% cold-worked	<-22°F (<-30°C) <-22°F (<-30°C)

COMPARISON OF CHARACTERISTICS OF GRADE IN DIFFERENT CORROSIVE MEDIA *X*TREME7
Hydrogen Sulfide, Carbon Dioxide
Excellent corrosion resistance in every concentration
Chloride, Seawater, Salty Solution, Etc.
Excellent resistance to stress corrosion cracking and pitting corrosion under stress all concentration H2S+CO2
Chloride, Hydrogen Sulfide, Carbon Dioxide
Very good resistance corrosion cracking and inter-granular corrosion (IGC). temperature up to 150°c

X-WIRES / *X*TREME*7* ALLOYED

MECHANICAL PROPERTIES

*X*TREME*7* is tested and certified in accordance with a minimum tensile strength. Proof strength is in the range of 85 % of the tensile strength. This means that *X*TREME*7* can resist high loads without permanent set of the wire.

MECHANICAL PROPERTIES			
Proof strength $R_{P0.2*}$		Tensile strength	
MPa	ksi	MPa	ksi
≥1530	≥222	≥1800	≥261

MECHANICAL PROPERTIES FOR SLICKLINES, AT 20 °C (68 °F)