



DE NORA TECH ANODE RIBBON
MATERIAL SPECIFICATIONS
DRY SAND ENVIRONMENT

Dimensions

	<u>Units</u>	<u>¼" Ribbon</u>	<u>½" Ribbon</u>
Width	mm	6.3	12.7
Thickness	mm	0.63	0.63
Cross Section	mm ²	4.03	8.06
Surface Area	m ² /m	0.014	0.0266
Weight	g/m	18.2	36.4
Resistance	ohm/m	0.14	0.069

Current Ratings

Dry sand Environment

20yr Life	mA/m	33.1	66.2
	mA/ft	10.1	20.2
30yr Life	mA/m	23.3	46.6
	mA/ft	7.1	14.2
40yr Life	mA/m	18.4	36.7
	mA/ft	5.6	11.2
50yr Life	mA/m	15.1	30.2
	mA/ft	4.6	9.2

Ratings based on one side of ribbon.

Ribbon Substrate

	<u>Units</u>	
Composition	--	Titanium Grade 1
Impurity Limits	%	C 0.10, N 0.03, H 0.015, O 0.18 Fe 0.20
Density	kg/m ³	4511
Melting Point	°C	1660
Electrical Resistivity	10 ⁻⁶ ohm-cm	56
Thermal Conductivity	W/m °K	15.6
Modules of Elasticity	Mpa	10.2
Tensile Strength	Mpa	240 Min.
Yield Strength,.2% offset	Mpa	170 Min.
Elongation, sheet >0.6 mm thick	%	24 Min.