



PG PARS CO

Corrosion control & Cathodic protection  
شرکت پی جی پارس  
سیستم های حفاظت کاتدی، طراحی، تولید و اجرا (سهامی خاص)

## Data sheet

Document Title:	Data Sheet for High Silicon Anode with Canister	Page 1 of 1
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### Impressed Current Anodes (High Silicon Chromium Iron Anode)

Type Of Anode	Rod Type	<input checked="" type="checkbox"/>
	Tubular type	<input type="checkbox"/>
Figure	Single ended	<input checked="" type="checkbox"/>
	Double ended	<input type="checkbox"/>
	No end type	<input type="checkbox"/>
Chemical Composition	Carbon	0.7% - 1.1%
	Silicon	14.2% - 14.75%
	Chromium	3.25% -5%
	Manganese	1.5%
	Molybdenum	0.2% Max
	Copper	0.50% Max
	Iron	Reminder
Dimension & Weight	Diameter	3 Inch (76 mm)
	Length	60 Inch (1524 mm)
	Head Diameter	4 Inch (102 mm)
	Surface Area	0.38 m <sup>2</sup>
	Approx. Weight	110 lb (49.9 kg)
Cable Connection To Anode	Lead caulking <input checked="" type="checkbox"/>	Pin Type <input type="checkbox"/>
Tail Cable	Single Jacket PVC	<input type="checkbox"/>
	Single Jacket HMWPE	<input type="checkbox"/>
	Double Jacket PVC/PVC	<input type="checkbox"/>
	Double Jacket XLPE/PVC	<input checked="" type="checkbox"/>
	Single Jacket PVDF	<input type="checkbox"/>
	Double Jacket XLPVDF/HMWPE	<input type="checkbox"/>
Encapsulation:	PVC Cap	<input checked="" type="checkbox"/>
	Heat Shrinkable Cap	<input type="checkbox"/>
	PVC & Heat Shrinkable cap	<input type="checkbox"/>
Consumption Rate	0.2 kg/ A year	
Output Current	3.8 A	
Life Time	25 years	
Lead Cable	No. of cores × CSA	1 × 10 mm <sup>2</sup>
	Type Copper Conductor	Cu/XLPE/PVC
	Length: 3 Meters	
BACK FILL (With Canister)	Canister Dimension:	Length :2 m –Thickness :0.6mm
	Surface Area:	Coke Type 2,90% Carbon
	Coke Weight:	100 KG
	Total Weight:	150 KG