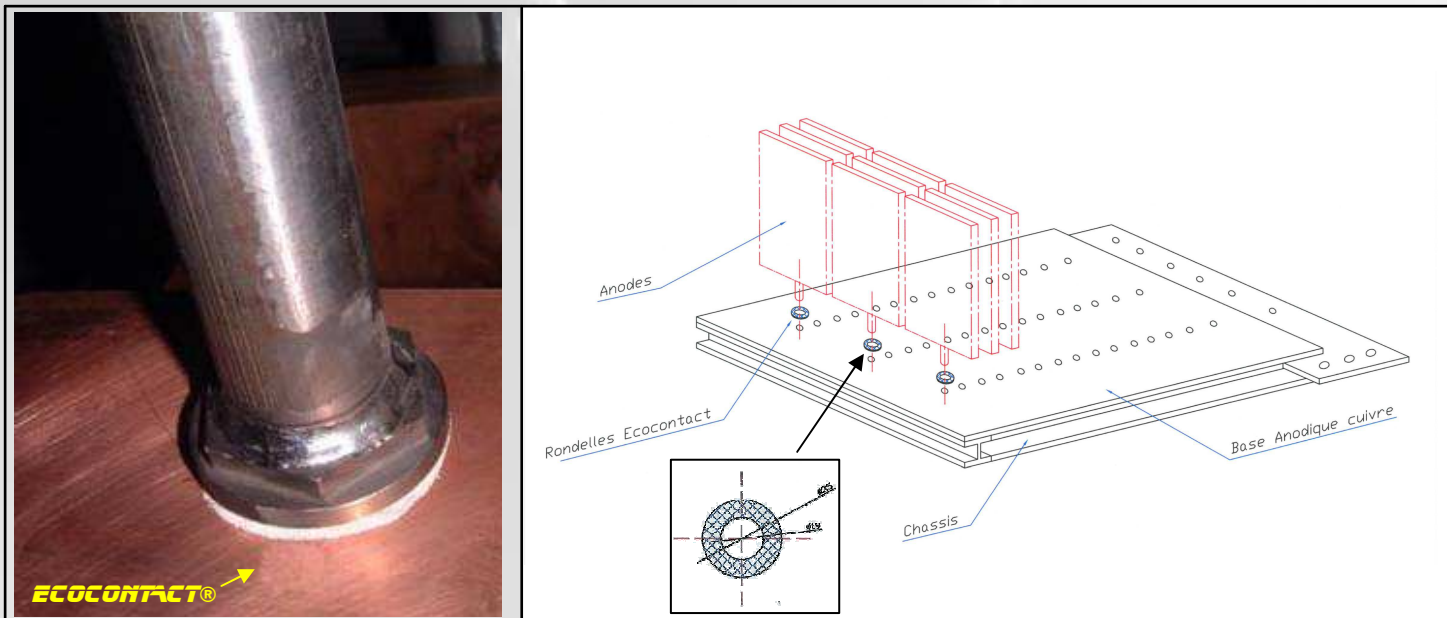


Connection Anode / Copper Base

For diaphragm cell MDC55, LV81, H4....

Power is transmitted from the anodic base to the titanium bases for a copper/copper bolt interface, which oxidize quickly due to the high density of power (~6A/mm²).



Measure table:

Example on 1 anode from cell MDC55 under 2000A and ≈ 80°C:

I = 2000 A	ΔU		Saved Power	
	Without ECOCONTACT®	With ECOCONTACT®		
Used connection	110 mV	5.5 mV	≈ 200w	89 %

Gain with **ECOCONTACT®**:

Saved power for 1 cell containing 87 anodes : ≈ 17Kw

Yearly energy gain : 17 kW x 8000h = ≈ 135 000 kWh/year/cell

Estimated cost of kWh: 0,06€

Yearly economic gain : 135 000 kWh x 0.06€ = ≈ 8000€

ECOCONTACT® equipment cost: ~1000€

ECOCONTACT® Return on Investment: < 2 month

ECOCONTACT® shelf life in this connection: > 5 years

Advantages :

- Very high energy savings in the interface. Suppression of oxidation. Long-lasting stability Homogeneous share-out of power in all the anodes.