



## UNIWEELD IND. DE ELETRODOS LTDA

Address: 1788, XV de Dezembro Avenue – Tanque do Moinho  
 Zip Code: 12.910-691 – Bragança Paulista – São Paulo – Brazil  
 Phone: (+55 11) 4035-8877 – Fax: (+55 11) 4603-2511  
 E-mail: [uniweld@uniweld.com.br](mailto:uniweld@uniweld.com.br)  
 Website: [www.uniweld.com.br](http://www.uniweld.com.br)

## Contact Uniweld

**(+55 11) 4035-8877**

[sales@uniweld.com.br](mailto:sales@uniweld.com.br)

COMERCIAL DESIGNATION: **ESSEN DUR 500 Kb**

PATTERN: DIN 8555 E 1=50 G

ALLOY ELEMENTS INCLUDED	C	Si	Mn	Cr	Ni

APPLICATION FIELD	The electrode DUR 500 kb allows disposition with great abrasion resistance, in manufacturing or restauration of parts, prolonging the useful life of productivity efficiency and reduces the stop period for tractor's brackets maintenance, transporting buckets, mixing laminas, mill hammers, pulverized hammer, link chains, strain tools or cooling cut.				
TECHNICAL CHARACTERISTICS	DUR 500 kb is an electrode for hard revestments, developed in Brazil by UNIWEELD applied on restaurations and filling up wastages protectors, presents a high index of deposition with moderate penetration and good impact resistance and great abrasion resistance, factored with emery Indicated to basis metal: Fused steel, railway steel, tempered steel, steel tools.				
MECHANICAL PROPRIETIES	Hardness:350 HB Treatment: up to 500°C Working Temperature: Overcooking and tempera to 820-850°C				
OPERATIONAL CHARACTERISTICS	For C.A. or C.C +				
	Welding Position: P.V				
	Ø In mm	2,50x350mm	3,25x350mm	4,00x450mm	5,00x450mm
Amperage Package	70-100 A 5 kg	100-130 A 5 kg	140-180 A 5 kg	180-210 A 5 kg	
WELDING TECHNIQUES	Clean the welding area, the electrode must be dry, regulate the machine in accordance to the electrode's diameter, application in steel without alloy, the pre-heating is not necessary, hard steel parts must be pre-heated, in accordance with its content between 150-250°C. Do not pre-heat austenitics steel.				