

## DURINOX 303

Electrodes MMA [SMAW]

Special application - steel welding and repairing

<b>CLASSIFICATION:</b>	<b>APPROVALS:</b>	<b>APPLICATION:</b>
DIN 8555 : E 9-UM-200-CKTZ AWS A-5.4 : E 312-16 mod		Hardfacing and repairing Metallurgy (Steelworks) Mining

- Specially designed, universal high-alloy austenitic-ferrite CrNi electrode with embended microelements Mo, V, Co and N, for welding and regeneration of elements made of all types of steel and cast steel (hard-to-weld steels, easy-to-weld steels, high-hardness steels, spring steels, etc.).
- Especially recommended for welding steels of various and unknown composition, such as: unalloyed or alloy structural steels with high-alloy chromium or chromium-nickel steels, for joining or overlaying manganese steels and welding them with other steels.
- Provides very good corrosion and oxidation resistance up to 1000°C.
- Welds steels of unknown composition successfully.
- Thanks to its versatility, it does not require any special skills or technology: works on all AC or DC arc welding machines, does not require surface cleaning, works on grease, rust, moisture, paint, etc.
- The slag rises by itself.
- Works in all positions
- Even inexperienced welders will be able to make a correct weld
- It is necessary to preheat the component to 200°C or higher when welding special steels such as high alloy tool steels.



### Application

Welding and hardfacing

All types of steel and cast steel  
Difficult to weld steels,  
Construction steels  
High hardness steels  
Spring steel, manganese  
High carbon steel, vanadium spring steel  
Stainless steel, tool and die steel  
High sulfur steel  
Cast steel  
Galvanized steel  
Vibration resistant steel

Dissimilar (mixed) joints of non-alloy structural steels with high-alloy chromium or chromium-nickel steels, for joining or superstructure of manganese steels and their welding with other steels.

### Typical mechanical properties

<b>Tensile strength Rm [N/mm<sup>2</sup>]</b>	900
<b>Hardness</b>	200 HB after hardfacing / 400 HB after hardening /
<b>Welding current</b>	
<b>Welding positions</b>	

### METALWELD-FIPROM POLSKA spółka z o.o.

ul. Mikołajczyka 57, 41-200 Sosnowiec

+48 (32) 297 75 50 - 51

+48 (32) 297 75 88  
export@metalweld.pl