

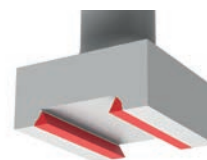
# Kobatek 520

## TOP FEATURES

- DC electrode specially designed for low-alloy steels with a tensile strength up to 900 N/mm<sup>2</sup> and the reclamation of the parts subjected to metal-to-metal friction under high pressure.
- The readily machinable deposit gives an alloy steel providing high mechanical properties and can be heat treated.
- Also suitable for applications where resistance to deformation during service is required for maximum operational life.

## TYPICAL APPLICATIONS

- Rollers
- Forging dies
- Anvil dies
- Anvil guides of power hammer
- Hammers
- Table rollers
- Turbine blades
- Cushion layers before hardfacing



## CURRENT TYPE

DC +

## MECHANICAL PROPERTIES, ALL WELD METAL

Tensile strength (kg/mm <sup>2</sup> )	Yield strength (kg/mm <sup>2</sup> )	Elongation (L = 5d)	Hardness (HB)
92-96	76-80	12-16	300-360

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
4.0 x 350	110-150
5.0 x 350	

## PACKAGING AND AVAILABLE SIZES

Diameter (mm)	Packaging	Net weight/pack (kg)	Item number
4.0 x 350	PE Tube	5.0	78352040
5.0 x 350	PE Tube	5.0	78352051

### TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application.

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.  
Please refer to [www.lincolnelectric.eu](http://www.lincolnelectric.eu) for any updated information.