

Kobatek 576

TOP FEATURES

- High efficiency hardfacing electrode with high content of chromium carbide and boron carbide
- The weld metal offers excellent abrasion resistance at high temperature up to 500°C and erosion resistance to the fine mineral particles in gas media
- Coal mines, cement industry and iron and steel works are the most frequently used sectors of this product
- In order to minimize the cracking risk, the part must be heated to at least 500°C before welding and should be cooled slowly after welding

TYPICAL APPLICATIONS

- Sinter crusher bars
- Mixer paddles
- Clod breakers
- Extrusion screw segments
- Ash plows
- Agglomeration and exhaust fans and valves
- Slag ladles
- Screens working in hot environment
- Tong bits
- Rake teeth in furnace
- Mixer screws and heads in the ceramics and brick industry



CURRENT TYPE

DC(+); DC(-); AC min 60 V

MECHANICAL PROPERTIES, ALL WELD METAL

**Hardness
(HRC)**
66-70

Note: Hardness value may vary according to the type of base metal, the welding current and the thickness of the hardfacing layer.

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2 x 350	120-160
4.0 x 450	150-190

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	Packaging	Net weight/pack (kg)	Item number
3.2 x 350	PE Tube	5.0	78457632
4.0 x 450	PE Tube	5.0	78457641

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 for any updated information.