

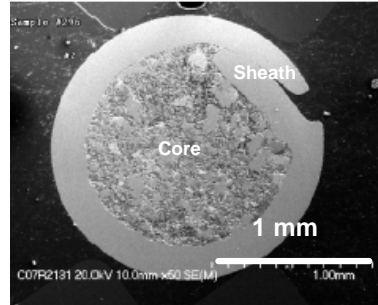
# Product Technical Information

# Nanostructured WC Cored Wire Feedstock

## *NanoCore™* W7401-J Wire for Hardfacing Surfaces



Photo of a typical cored wire bundle



SEM micrograph of cored wire cross-section

Thermal Spray or Welding Grade Cored Wires W7401-J

Cored Wire Size: 1.6 mm or 1/16 in diameter (or other sizes can be custom made).

### Cored Wire Composition

<i>NanoCore™</i> W7401-J	Nominal Composition							
	Ni	Cr	Fe	Mo	Nb+Ta	C	W	Co
	Balance	13-14.95	3.25 max	5.2-6.5	2.05-2.70	1.88	28.92	4.2

### Features

The NanoCore™ W7401-J is a nanostructured cored wire that exhibit properties include:

- excellent coating bond strength to the coated component
- can withstand high temperatures
- good corrosion resistance
- excellent high temperature wear resistance

### Suggested Applications

*NanoCore™* W7401-J is a special thermal spray or arc welding cored wire for high temperature hardfacing applications, providing wear-, erosion-, and corrosion-resistant surfaces. Typical example application of this cored wire is for the ore or raw material feeding for high temperature furnace in steel making operations.

### Contact Information

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