

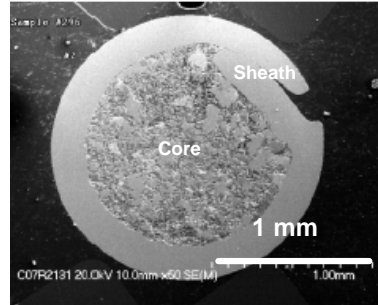
# Product Technical Information

## Nanostructured WC Cored Wire Feedstock

### *NanoCore™* W7404-S 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

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

#### Cored Wire Composition

<i>NanoCore™</i> W7404-S	Nominal Composition							
	Fe	Ni	Cr	Mn	Si	W	Co	C
	Balance	6.30	11.40	1.2	0.45	33.05	4.8	2.23

#### Features

The *NanoCore™* W7404-S is a nanostructured cored wire that exhibit properties including:

- excellent coating bond strength to the coated component
- excellent corrosion resistance
- excellent erosion and abrasive wear resistance

#### Suggested Applications

*NanoCore™* W7404-S is a special thermal spray or arc welding cored wire for low, to intermediate temperature hardfacing applications, providing wear-, erosion-, and corrosion-resistant surfaces.

#### Contact Information

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