

## ULTIMET<sup>®</sup> alloy

### Principal Features

#### **STELLITE<sup>®</sup> alloy-like wear resistance and HASTELLOY<sup>®</sup> alloy-like corrosion resistance in a single, highly weldable material**

ULTIMET<sup>®</sup> alloy (UNS R31233) provides a unique blend of properties. From a wear standpoint, it behaves like the STELLITE<sup>®</sup> alloys with lower carbon contents. From a corrosion standpoint, it possesses many of the attributes of the C-type and G-type HASTELLOY<sup>®</sup> materials, in particular outstanding resistance to chloride-induced pitting and crevice corrosion. Its mechanical and welding characteristics are much closer to those of the HASTELLOY<sup>®</sup> alloys than those of the STELLITE<sup>®</sup> alloys, whose low ductilities can be problematic.

While ULTIMET<sup>®</sup> alloy has been used successfully in the form of wrought products, its largest applications have involved weld overlays, made with solid wire consumables and arc-welding processes such as GMAW (MIG) and GTAW (TIG).

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