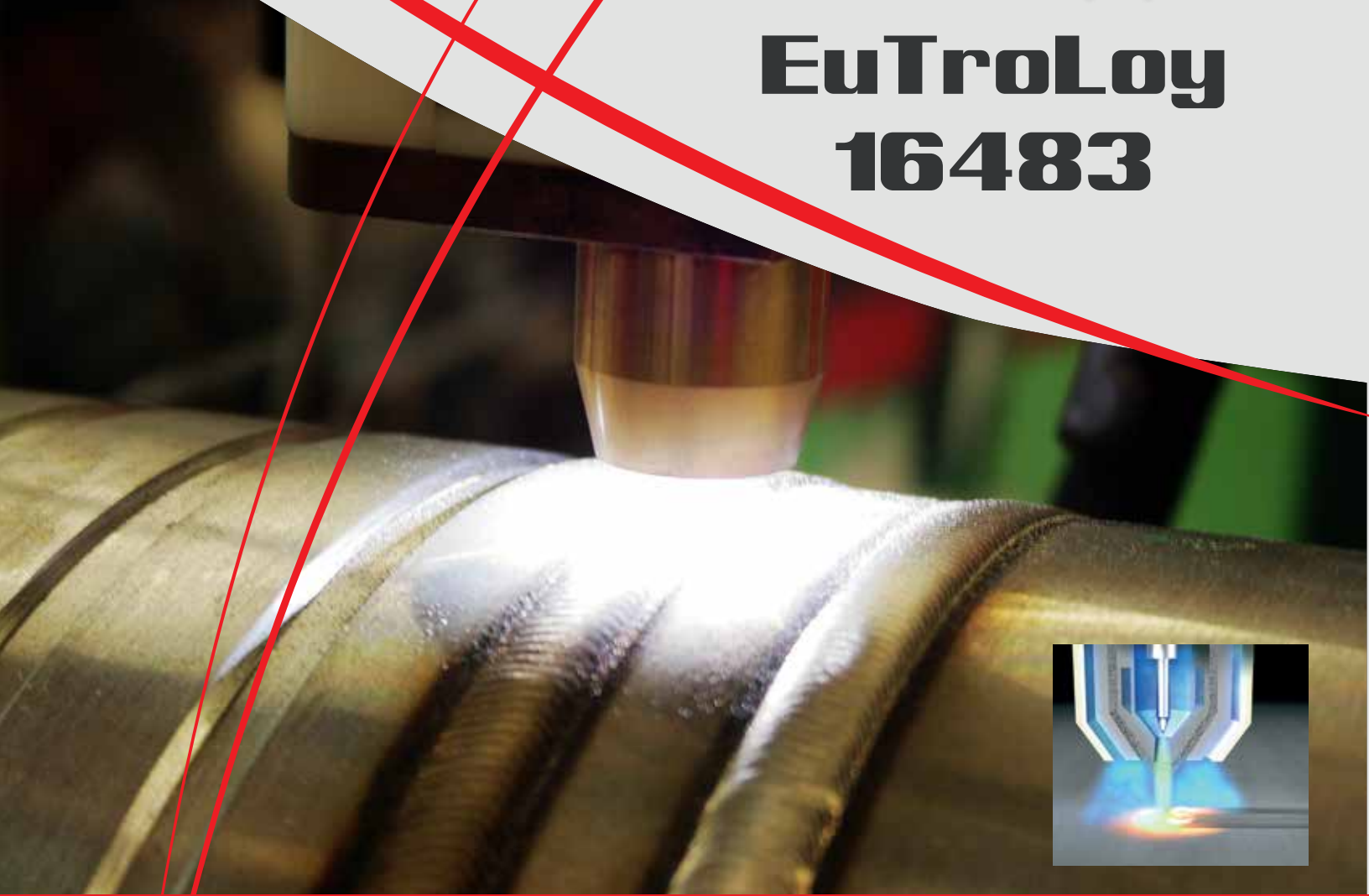




Gas Atomized, Nickel Alloy Powder for the
Plasma Transferred Arc (PTA) Process

EuTroLoy

16483



- Specially developed for the plasma transferred arc process
- Spherically shaped to ensure highest purity
- Consistant powder distribution through equipment
- Excellent abrasive protection

EuTroLoy 16483

EuTroLoy 16483 is a blended powder designed for use with the plasma transferred arc (PTA) process. The powder consists of two components, a moderately hard atomized nickel-chromium alloy powder and extremely hard tungsten carbide particles. The coatings produced offer a moderately hard matrix with a uniform distribution of carbide particles. The result is a coating which offers a unique combination of resistance to abrasion and resistance to impact.

Additionally, EuTroLoy 16483 has very good resistance to sliding, grooving, sliding grain and rolling grain wear.

EuTroLoy 16483 also exhibits good corrosion resistance.

TECHNICAL DATA

Typical Values	
Matrix Hardness:	45 HRC
Coating Hardness:	59-56 HRC
Density:	9.5 g/cc
Hall Flow Rate:	15-20 sec/50 grams
Apparent Density:	4.3 - 4.7 g/cc
Melting Point:	2250° F (1230° C)

Equipment

Made for use in Eutectic's GAP plasma transferred arc equipment. Please contact Eutectic to determine which GAP equipment is right for your coating needs.

PROCEDURE FOR USE:

For some applications a modest pre-heat may be required. The degree is dependent on the shape and dimensions of the part and the thickness of the deposit.

Please contact Eutectic Technical Services for more information.

TYPICAL APPLICATIONS

- Decanter and transport screws
- Extrusion screws
- Mixer parts
- Drilling tools
- Mouthpieces for trace presses
- Woodworking tools

To ensure a safe work environment observe normal welding practices, provide appropriate eye, hearing, skin and respiratory protection and pay attention to air flow patterns. For general weld practices, refer to ANSI Z49.1:2012 - "Safety in Welding, Cutting, and Allied Processes". Welding is a completely safe process when performed in accordance with proper safety measures. Become familiar with local safety regulations before starting operations. DO NOT operate your equipment or use the material supplied, before you have thoroughly read the equipment instruction manual. Contact Eutectic for Material Safety Data Sheet (MSDS) information. DISREGARDING THESE INSTRUCTIONS MAY BE HAZARDOUS TO YOUR HEALTH.



Eutectic Corporation:
N94 W14355 Garwin Mace Dr.
Menomonee Falls WI, 53051 USA
+1 800. 558. 8524 • eutectic.com

Eutectic Canada:
428, rue Aimé-Vincent Vaudreuil-Dorion,
Québec J7V 5V5 Canada
+1 800. 361. 9439 • eutectic.ca



Follow Us On...

