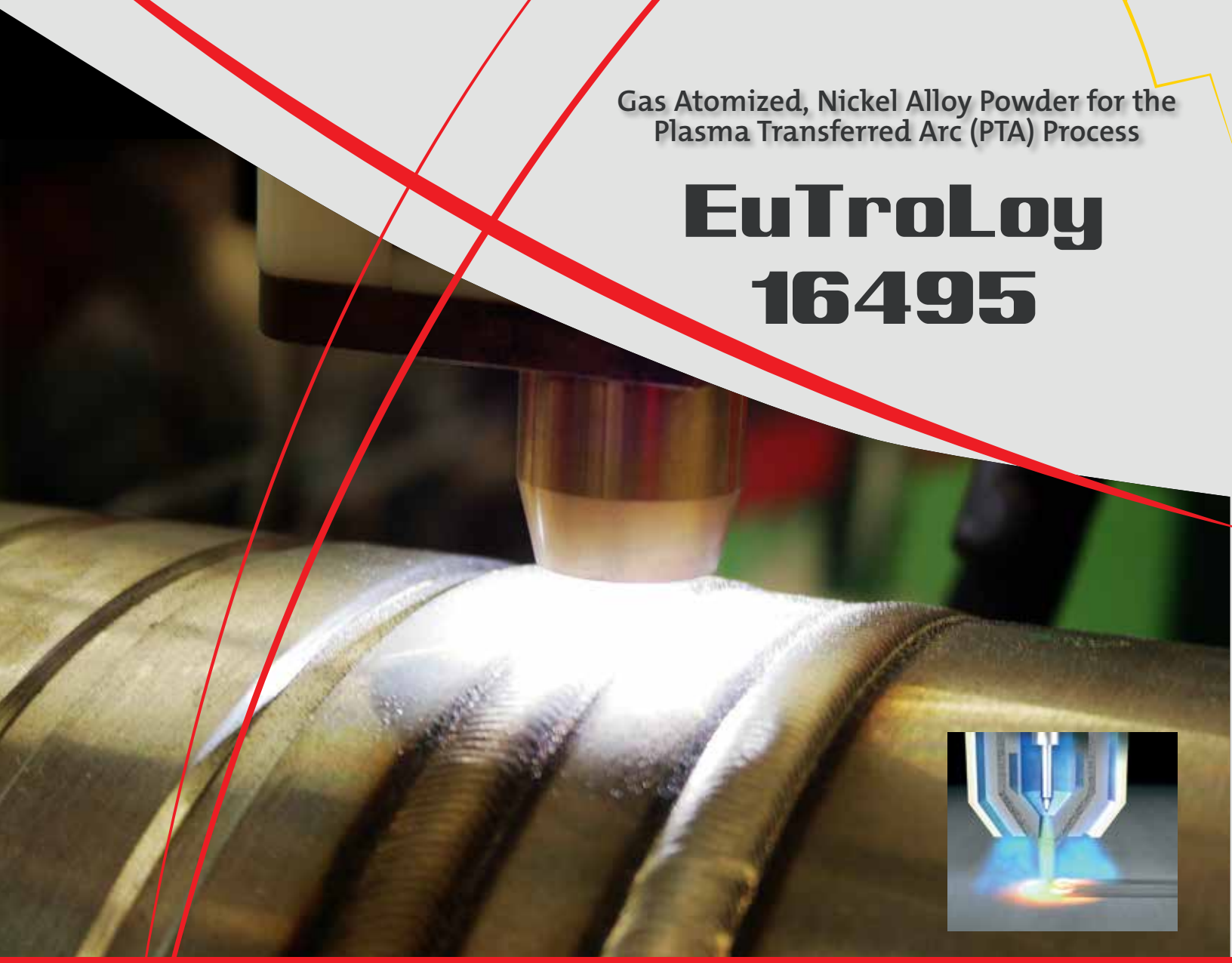
Castolin Eutectic®
Eutectic Castolin

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

EuTroLoy 16495



- Specially developed for the plasma transferred arc process
- Spherically shaped to ensure highest purity
- Consistant powder distribution through equipment
- Abrasion and friction resistant coatings

EuTroLoy 16495

EuTroLoy 16495 is a high performance atomized nickel alloy powder optimized to produce hard, durable, abrasion and friction resistant coatings using the EuTronic® GAP Plasma Transferred Arc Welding Process.

Controlled composition based on AWS A5.13 and precise particle sizing ensures consistent, porosity free weld deposition.

TECHNICAL DATA

Typical Values	
Hardness:	49 HRC
Density:	7.8 g/cc
Hall Flow Rate:	18 seconds
Bulk Density:	4 g/cc

Nominal Composition:

Nickel, Boron, Silicon, Iron, Carbon

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:

Grinding Wheel Type:	Green silicon carbide
Grit Size:	60 - 80
Grade:	H (soft)
Structure:	5
Bond Type:	Vitrified
Wheel Speed:	Use manufacturer's recommendation
Work Speed:	50 -65 surface feet per minute

Traverse Speed

Roughing:	5-15 inches per minute
Finishing:	3-8 inches per minute

In-Feed

Roughing:	0.001 inches per pass
Finishing:	0.0005 inches per pass or less

Use flood coolant with rust inhibitors in 2-5% concentration

Notes:

1. Before grinding, all edges and ends of coating must be chamfer ground.

2. Frequently dress the grinding wheel face to reduce friction and heat

TYPICAL APPLICATIONS

- Wash pipes (petroleum drilling)
- Guide plates
- Trimming dies
- Auger flights
- Pistons
- Hydraulic cylinders

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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

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