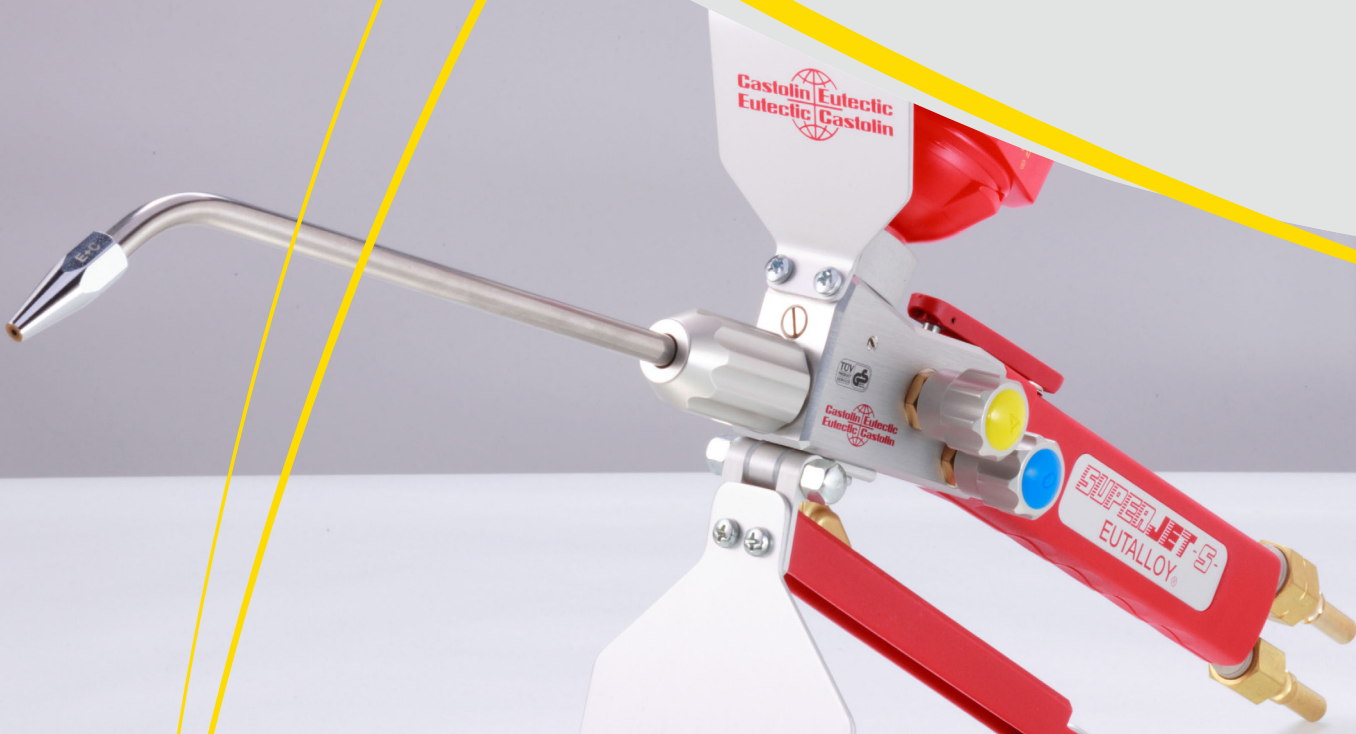




Modular Spray and Fuse System for Wear  
Protective Coatings with Eutalloy Powder Alloys

## **SuperJet-S Eutalloy®**



- Prolong the service life of industrial parts and increase productivity
- Designed for safe streamlined powder flow through the system circuits
- High powder deposition rates on massive parts or thick sections
- Precise deposit control on critical corners or thin edges
- Minimal overspray reduces costly post machining operations

# SUPERJET-S Eutalloy

The Eutalloy process is designed to apply wear protective coatings typically from 0.1- 3.0 mm thick, in a single pass, on a variety of metallic parts to prolong their service life. Special powder alloys are sprayed and fused to create strong diffusion bonds without melting the substrate.

## Multi-Purpose, Modular System

SuperJet-S Eutalloy® is a multi-purpose powder delivery system which can easily be adapted for surface engineered coatings to protect or repair either flat metallic surfaces, fine precision edges or rotating cylindrical parts.

### Unique benefits include:

- Fast manual torch assembly and easily rotated tip for positional spraying work
- Complete range of integrated tip assemblies, each with its own injector and mixing chamber, to ensure optimum powder alloy feeding at different flame settings
- Internal powder channel and nozzle designed for maximum service life and reliability
- All torch components readily accessible for cleaning and maintenance
- Quick action, gas shut-off trigger for instant re-ignition of original flame settings
- Ergonomic torch design for easy handling
- Adjustable heat shield

## Ergonomic Body-Handle Assembly

- Precision machined and forged monoblock torch body assures perfect alignment of gas channels for streamlined powder flow and reduced clogging and maintenance
- Powder control lever is surface hardened to increase its service life

## Integrated Tip Assemblies

Wide variety of tip assemblies available to handle all applications.

- Optimized nozzle focus reduces powder over-spray to a minimum
- Stainless steel neck withstands heat and increases torch service life

## Optional C55 HF Heavy Duty, High Flow Tip Assemblies

Designed with a tungsten carbide, reinforced nozzle and thicker tubing for improved heat resistance and powder flow.

- Work Safer in hot environments with higher flashback resistance
- Spray & Fuse at a faster rate with minimal overspray
- Deliver consistent quality coatings and achieve longer service life

Available in 3 lengths to accommodate a variety of industrial restoration needs:

**C55 HF Lance 340mm - Part No. 42758487**  
**C55 HF Lance 390mm - Part No. 42758488**  
**C55 HF Lance 440mm - Part No. 42758489**

## Safety First

The SuperJet-S Eutalloy torch is easy to use by semi-skilled operators and meets stringent safety requirements:

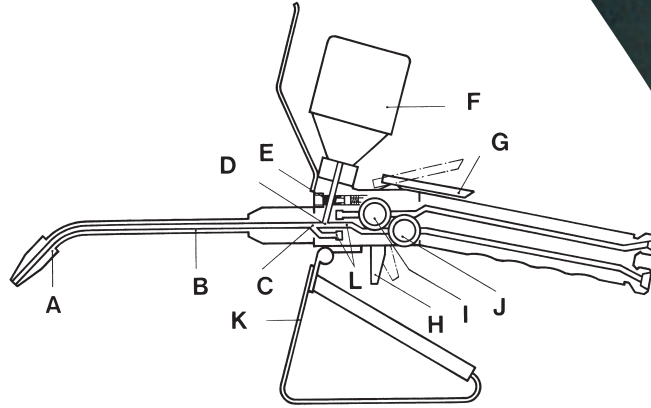
- Use of pure oxygen as the carrier gas minimizes flashback risks
- Tip assembly incorporates flashback arrestors
- Quick action shut-off trigger cuts gas flows without affecting original flame settings
- Adjustable heat shield and longer tip assemblies protect against thermal reverberation
- Partial vacuum created by the oxygen gas flow through the injector draws the Eutalloy powder into the system. Only after this step, is the acetylene gas allowed into the mixer zone



## SuperJet-S Eutalloy® Kits

The SuperJet-S Eutalloy kit options are supplied in a convenient carrying/storage case containing the necessary accessories for rapid and easy assembly and start-up.

- A Torch nozzle
- B Rotatable, interchangeable tip assembly
- C Gas mixer
- D Powder injector
- E Powder feed valve
- F Eutalloy® powder module
- G Powder feed control lever
- H Quick shut-off trigger
- I Oxygen valve
- J Acetylene valve
- K Protective heat shield



### SuperJet-S Kit with Powders

Part No. 4291871

The SuperJet-S Kit with Powders is supplied in a convenient carrying/storage case and contains a selection of 4 powders to get you started with the spray and fuse process.

SuperJet-S- Kit with three (3) tip assemblies, A1 S, B3 S and C5 S and these four (4) bottles of powder.

- Eutalloy 10009
- Eutalloy 10112
- Eutalloy 10224
- Eutalloy 10680



### SuperJet-S Basic Kit

Part No. 4291867

The SuperJet-S Basic Kit is supplied in a convenient carrying/storage case containing the necessary accessories for rapid and easy assembly and start-up. It does not include Eutalloy powders.

This picture shows the SuperJet-S- Basic Kit with three (3) tip assemblies, A1 S, B3 S and C5 S and an **empty** powder bottle used for transferring powder to the torch.



### SuperJet-S ECO Kit

Part No. 42290116 - C5S Tip

Part No. 42290114 - B3S Tip

The SuperJet-S ECO Kit includes the same, high quality, SuperJet torch, but it is packaged in a corrugated box and supplied with either a C5S tip or B3S tip. The ECO is a more economical option.



Powders are not included with the SuperJet ECO Kit.

## SuperJet-S Eutalloy® Accessories

A special air cooled tip assembly and powder hopper are available as optional accessories. The C6 air cooled tip is recommended whenever the Super-Jet-S torch is subjected to high duty cycle usage or prolonged thermal heat. It facilitates and speeds up coating operations on large parts or inside internal diameters. The aluminum hopper transfers powders from bulk packages. Refilling is easily executed via the lid, without removing the hopper from the torch.

### C6 Air Cooled Tip - Part No. 4291748



### Hopper Assembly - Part No. 4291796



### Optional Lance Kits

SuperJet-S complete lance kits provide finer control of linear coating deposit profiles without general overheating or deformation of the substrate.

#### A0 S Spot Precision Lance:

Part No. 4271619080

#### A1 S and A2 S Linear Lance:

A1 S Part No. 4271619081

A2 S Part No. 4271619082

#### B3 S and B4 S Standard Intermediate Lance:

B3 S Part No. 4271619083

B4 S Part No. 4271619084

#### C5 S Power Model Lance: C5 S Part No. 4271619085

These lance kits are optimized for heavy-duty applications. Reinforced with a tungsten carbide insert, and thicker tubing for improved heat resistance, they dramatically increase powder flow and fusing capacity.

#### C5S HF High Flow Lance:

Part No. 42758487 - 13.38" (340 mm)

Part No. 42758488 - 15.35" (390 mm)

Part No. 42758489 - 17.32" (440 mm)



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