



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 streamline 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 machining of forged monoblock torch body assures perfect alignment of interlinked gas channels. This promotes streamlined powder flow and reduces clogging risks 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 swan neck better withstands heat and increases service life.

Optional Lance Kits

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

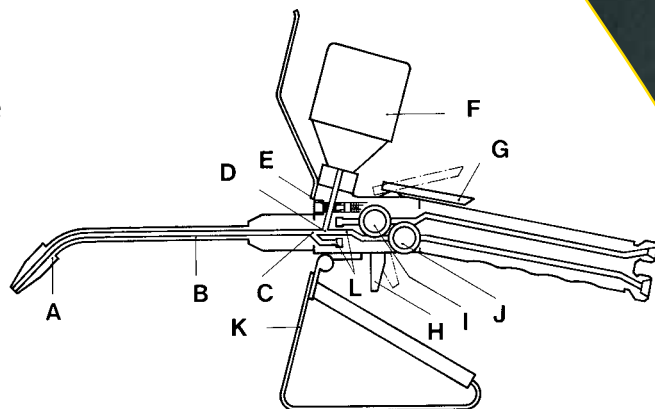


NAME OF THE PART	PART NUMBER	NAME OF THE PART	PART NUMBER
A0 S Spot Precision Lance:	Part No. 4271619080	These lance kits are optimized for heavy-duty applications. Reinforced with a tungsten carbide insert, and thicker tubing for improved heat resistance, they dramatically increase powder flow and fusing capacity.	
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		
		C5S HF High Flow Lance: (picture above)	Part No. 42758487 - 13.38" (340 mm) Part No. 42758488 - 15.35" (390 mm) Part No. 42758489 - 17.32" (440 mm)

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- Basic Kit

Part No. 4291000SUPJET

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

Part No. 4291900

Special water cooled tip assemblies called KoolTip® kits are available as an optional accessory. The KoolTip® kit is recommended whenever the SuperJet -Storch is subject to high duty cycle usage or prolonged thermal reflections. The water cooled tip facilitates and speeds up coating operations on large parts or internal inside diameters.

Complete KoolTip kit includes connecting water hoses, heat shield, spark lighter, goggles, nozzle cleaner, injector cleaner and Teflon® washers.



SuperJet -S- Eutalloy® Accessories (cont)

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-5 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



Safety First

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

- The use of pure oxygen as the carrier gas minimizes flashback risks.
- Each 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.
- The 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.

