

Freedom

ALLOYS

The Maintenance Welding Solution

Freedom Alloys MIG Welding Repair Kit Part No. 10006

FREEDOM ALLOYS INTRODUCES THE MOST INNOVATIVE AND RELIABLE "STATE OF THE ART" WELDING PRODUCTS ALL IN ONE CONVENIENT, PORTABLE, AND WATERTIGHT REPAIR KIT DEVELOPED FOR THE MAINTENANCE AND REPAIR OF ALL TYPES OF MILITARY EQUIPMENT.

THE FREEDOM ALLOYS MIG WELDING REPAIR KIT IS DESIGNED FOR WELDING THE MAJORITY OF METALS ENCOUNTERED IN MILITARY EQUIPMENT. INCLUDED ARE SOLID, FLUX-CORED AND GASLESS MIG WIRES TO ENSURE THE RIGHT PRODUCT FOR THE RIGHT APPLICATION

**THE FREEDOM ALLOYS REPAIR
KIT PROVIDES SUPERIOR
WELDING PERFORMANCE
WHEN YOU NEED IT MOST!**



Serving America's Military Welding Needs



Freedom **ALLOYS** MIG Welding Repair Kit #10006

Includes Mobile Protector Case for "Rapid Response" Situations



MIG Welding Repair Kit #10006 includes all of the following welding products:

Old Faithful - Electrodes for welding all types of steels

Sand Dune - Electrodes for welding low alloy steel applications

True Blue - Electrodes for welding mild steel applications

Cool Coat - Electrodes for welding stainless steels

Copperhead - Copper clad high tensile electrode for welding cast iron

Snow Cap - Electrodes for welding aluminum applications

Gasless MIG Wire - Electrodes for remote field use where shielding gas is unavailable

MIG Welding Accessories - MIG nozzle dip, replacement MIG welder tips, anti-spatter spray, MIG pads, shop beanies, auto darkening welding helmet, MIG pliers

Watertight deployment case protects MIG wire rods and accessories.

Case contains easy open double throw latches with automatic pressure equalization valve and quad-pad lock security.

Transport the Freedom Alloys MIG wire Repair Kit easily with the convenient extension handle, fold down handles, and heavy duty quad wheels.

Mobile Protector Case

Outside Dimensions:

31¹/₂" L x 22⁷/₈" W x 18⁷/₈" D

Inside Dimensions:

29¹/₈" L x 20¹/₁₆" W x 17⁵/₈" D



OLD FAITHFUL

High Strength and crack resistant alloy designed for welding all types of similar and dissimilar steels. The unique structure of OLD FAITHFUL makes this alloy one of the most versatile welding alloys for weld repairing steels including stainless steels, alloy steels, tool and die steels, spring steels, manganese steels, cast steels, high carbon steels, abrasion resistant steels or any combination of these base metals together. This alloy can be used when the type of steel you are welding is unknown. Can be used as a build up for high abrasion resistant coatings. Excellent for high temperature applications and building up shafts and blades in the chemical, construction, and mining industries. Commonly used for joining stainless steels of unknown analysis and these steels to carbon steel.

Technical Data

Tensile Strength: 128,000 psi
Work Hardened up to: 186,000 psi
Elongation: 32%

GASLESS MIG* - FLUX CORED OPEN ARC	
DIA.	PART NO.
.035	10054

MIG		
DIA.	PART NO.	
		2#
.035	10070	10270
Shielding Gas: Tri Mix 90% He 7.5% Ar 2.5% CO ²		

*Needs no shielding gas, It's self contained in the flux core

COOL COAT

COOL COAT is an alloy designed to deposit smooth corrosion resistant welds without cracking or porosity. This alloy is excellent for welding stainless steels such as 302, 304, 304L, 308, 316, 316L. Excellent for welding tanks, vats, pipe, fittings, sheet metal, castings, and building up worn, corroded parts. This alloy has many uses in all industries that use stainless steel such as chemical plants, paper mills, food, dairy, distillery, transportation, trucking and hospitals. The extra low carbon content prevents carbides from forming at the grain boundaries and thereby retards intergranular corrosion.

Technical Data

Tensile Strength: 85,000 psi
Elongation: 42%

MIG	
DIA.	PART NO.
.035	10085
Shielding Gas: 75% Ar 25% CO ²	

GASLESS MIG* - FLUX CORED ARC	
DIA.	PART NO.
.035	10060

FLUX CORED MIG		
DIA.	PART NO.	
		2#
.035	10024	10124
Shielding Gas: Tri Mix 90% He 7.5% Ar 2.5% CO ²		

*Needs no shielding gas, It's self contained in the flux core

COPPERHEAD

Premium cast iron alloy producing crack resistant deposits that exhibit high strength and ductility yet is machinable when applied to a wide variety of cast irons. The special chemistry of this alloy allows the maintenance welder to repair parts made from gray iron, ductile iron, malleable iron and meehanite cast irons. Recommended for welding cylinder heads, gear housings, machine bases, levers, cams, filling holes, repairing cast gears, and building up missing sections.

Technical Data

Tensile Strength: 72,000 psi
Elongation: 30%

MIG	
DIA.	PART NO.
.035	10090
Shielding Gas: Argon	

TRUE BLUE

TRUE BLUE is a very versatile alloy designed for welding mild and miscellaneous steels. Excellent for filling holes, thin gauge sheet metal, galvanized steel, and all types of general fabrication. This alloy is excellent for fabricating guard rails, machine guards, conveyor parts and a host of other time saving applications.

Technical Data

Tensile Strength: 83,000 psi
Elongation: 25%

FLUX CORED MIG	
DIA.	PART NO.
.035	10015
Shielding Gas: 75% Ar 25% CO ²	

GASLESS MIG* - FLUX CORED OPEN ARC		
DIA.	PART NO.	
		2#
.030	10050	-
.035	10051	10151

MIG		
DIA.	PART NO.	
		2#
.030	10074	-
.035	10075	10275
Shielding Gas: 75% Ar 25% CO ²		

* Needs no shielding gas, It's self contained in the flux core

SAND DUNE

SAND DUNE is a specially formulated alloy designed to provide high strength yet ductile welds on low alloy steels, high strength steels such as T-1, HY-80/90 and many others used in heavy duty equipment. Proprietary alloys such as T-1 type A&B, Majari R, Cor-Ten, manganese and vanadium, can be welded with excellent results. Deposits are tough, yet machinable making this alloy the preferred alloy for build-ups requiring machining. Often used as a build-up prior to applying harder overlays.

Technical Data

Tensile Strength: 120,000 psi
Work Hardened up to: 96,000 psi
Elongation: 23%

FLUX CORED MIG		
DIA.	PART NO.	
		2#
.035	10020	10120
Shielding Gas: 75% Ar 25% CO ²		

MIG		
DIA.	PART NO.	
		2#
.030	10079	-
.035	-	10280
Shielding Gas: 75% Ar 25% CO ²		

SNOW CAP

SNOW CAP is a versatile aluminum alloy that has high tensile strength and a wide plastic range. The deposits are strong, dense and can be used on many weldable grades of wrought and cast aluminum alloys. Excellent for power tool housings, filling foundry defects, repairing aluminum fans in electric motors, and a host of applications encountered in the maintenance department. This alloy contains silicon and is not recommended if finished work is to be anodized.

Technical Data

Tensile Strength: 41,000 psi
Elongation: 18%

MIG	
DIA.	PART NO.
.030	10096
.035	10097
Shielding Gas: Argon	

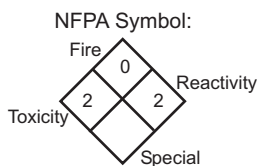
ANTI-SPATTER SPRAY

NO-SPAT (16oz. Aerosol Cans) prevents spatter build-up on welded parts and saves time and labor on all welding jobs.

- Prevents damage on metal surfaces due to weld spatter
- Protects mig gun nozzles while providing cleaner, neater welds
- Provides longer tip life while reducing clean-up time
- No-spat is non-flammable, non-silicone but is paintable

HMSI Symbol:

Health	2
Flammability	0
Reactivity	2
Personal Protection	B



Part No.	Description
9416	Case (24 Cans)
7616	1/2 Case (12 Cans)
9912	1/4 Case (6 Cans)

MIG NOZZLE DIP

- Protect MIG gun nozzles, tips, fixtures and positioners
- Non-toxic and odorless
- 16 fl. ounce can
- Non-combustible, non-contaminating
- Contains no hydrocarbon or fluorocarbon solvents, silicone, sulphur or nitrogen



Part No.	Description
10348	MIG Nozzle Dip

MIG WELDER PLIERS

For spatter removal, tip / nozzle / bushing removal and installation, wire cutting and drawing out.



Part No.	Description	Mfg. No.
4411	MIG Pliers	YS-50

MIG WIRE ASSORTMENTS

For Steel



Part No. 87655

For Various Metals



Part No. 87656

AUTO DARKENING HELMET

ULTRA-LIGHT®

- Lightweight, durable, washable thermoplastic shell
- Double-lock headgear and patented adjustment system
- 2 x 4 1/4" molded window with lens



Part No.	MFG No.	Description	Repl. Module
5124	981P	Shade 10 Battery	10299

LUBE-MATIC® LUBE PADS

- Cleans and lubricates allowing smooth feeding of wires with poor cast, helix, rust and long feedlines
- Not recommended for aluminum
- Package of 6 pads
- Reduces spatter, longer tip life



Part No.	Description
10347	6 Pads/Pkg.

MIG REPLACEMENT TIPS

Part No.	Description
10334	.045 Replacement Tips
10333	.035 Replacement Tips



WELDER CAPS

- Comfortable, durable and washable
- All cotton, double stitch construction
- Welding caps are not flame-retardant

Part No.	Description
10404	U.S.A. Pattern/L (Size 7 1/2)



COTTON SHOP BEANIES

- Flame retardant
- Snug fit to protect from dust or shop dirt
- Suited for a variety of indoor and outdoor work situations

Part No.	Description
10401	U.S.A. Pattern/Large
10402	U.S.A. Pattern/X-Large

