



WALLCOLMONOY

“Fast and Easy Detailed Hardsurfacing Build-Up”

Fusewelder™ Torch

WALL COLMONOY'S HARD-SURFACING EQUIPMENT

The Fusewelder™ Torch is a special oxy-acetylene torch which preheats the base metal, sprays powdered alloy and fuses deposits to the workpiece – all with one integrated unit.

Benefits & Usage:

- Protects critical parts against wear
- Repairs cast iron and most ferrous metals
- Restores undersized parts

Superior Results with Easy, Trouble-Free Operation:

Precision control – plunger-type valve assembly provides instant powder flow shut-off.

Durability – sturdy metal hoppers and heavy-duty copper tips with wear-resistant inserts.

Versatility – spraying small, narrow areas and even overhead work is possible.

Powders – Wall Colmonoy's Fusewelder™ Powders are designed for use in the Fusewelder™ Torch. It may also be used to apply Wall Colmonoy's Spraywelder™ powders and Microbraz® high-temperature brazing filler metal powders.

Easy Maintenance – entire torch is easily disassembled for quick clean-up and maintenance.

Safety – supplied with built-in flash-back arrestors and reverse flow check valves.

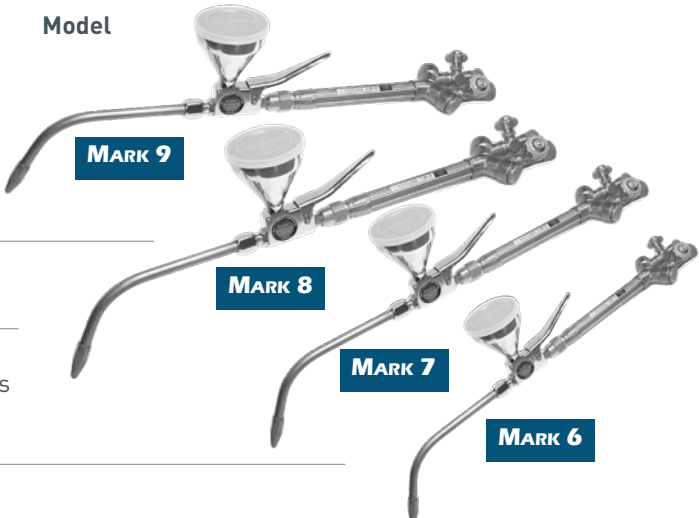
Flexibility – Four models are available with different powder spray capacities for fine detail work or larger components.

4 models each spraying at different rates



EQUIPMENT

Four Fusewelder™ models are available with different powder spray capacities for fine detail work or larger components

Tip	Powder Spray No. Capacity kg/hr (lbs/hr)	Features	Model
84 80 MF* 94	4.5 (9.9) 4.5 (9.9) 6.4 (14.2)	Designed for work on larger parts Up to 62,500 BTUs	
64 74	3.2 (7.0) 4.1 (9.0)	Larger powder hopper Up to 33,500 BTUs	
44 54 40 MF* 50 MF*	1.7 (3.7) 2.8 (6.2) 1.7 (3.7) 2.8 (6.2)	Widest spray capacity range and characteristics Up to 22,000 BTUs	
24 34	0.59 (1.3)	For fine detail work (edges and corners) Up to 14,000 BTUs	

*Multi-flame tips provide wider spray patterns

ACCESSORIES

Detached Production Hopper

The production hopper holds more than 9kg (20 lbs.) of powder, permitting continuous spraying. Hopper includes cover and hose. Powder is gravity-fed to the torch. May be used with all Fusewelder™ models.

Water/Air-Cooled Nozzle

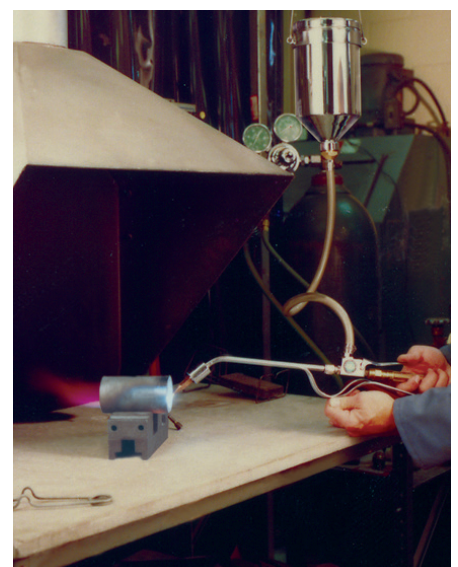
This special nozzle is surrounded with tubing for circulating water or air to cool the nozzle and tip. This is useful where a cavity entraps heat around the tip end, or to prevent undue wear when the torch is used in high production work. May be used with all models.

Nozzle Extensions

Extensions are made to order and available in three lengths (7, 10 and 18 inches) to spray difficult-to-reach areas. They may be joined to achieve longer lengths.

Gas Regulators

Oxygen and acetylene regulators provide reliable, precise gas control. Each consists of a two-stage design, displaying both supply and regulated pressure.



Detached production hopper permits continuous spraying

COLMONOY® (nickel-based)

ALLOY	HARDNESS HRC	FUSING TEMP °C (°F)	DESCRIPTION
225	13-17	985 (1805)	Specially Formulated Alloys for Glass Moulds Colmonoy 200-series Alloys are specially formulated for protecting and restoring glass container moulds (cast iron and aluminum bronze).
226	16-21	975 (1787)	
227	22-27	950 (1742)	
228	28-33	940 (1724)	
229	24-30	932 (1710)	
234	32-36	960 (1760)	
237	36-40	930 (1706)	
23	23-28	1050 (1922)	Chromium-Carbide Alloys Atomised nickel-based alloys containing chromium carbides for abrasion and corrosion resistance
25	25-31	1065 (1950)	
33	30-40	-	
43	35-40	980 (1800)	
53	45-50	1065 (1950)	
63	55-64	1025 (1875)	
705	56-63	1025 (1875)	Composite Alloys Uniquely formulated nickel-based composites containing tungsten carbide for resistance to sliding abrasion
7541-55F	52 (nominal)	-	
88*	59-64	1100 (2020)	Wear, Heat & Corrosion-Resistant Alloy Unique alloy contains chromium/tungsten borides and carbides for maximum abrasion and corrosion resistance. For high-temperature, highly abrasive applications.

*Colmonoy 88B is also available as a finer cut for the Fusewelder™ Torch



Water-cooled nozzle prevents undue wear when the torch is used in high production work



Fusewelder™ Torch spraying Colmonoy 227 on glass container moulds

www.fusewelder.com

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WALLCOLMONOY

Wall Colmonoy. Making Metals Work Harder Since 1938.

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