

External Cladding Head

Submerged Arc Welding 

Quick Specs

Applications

Pressure vessel
Pipe
Petrochemical
Off shore
Subsea
Paper pulp plants

Processes

Submerged arc (SAW)
Electroslag (ESW)

Rated Current

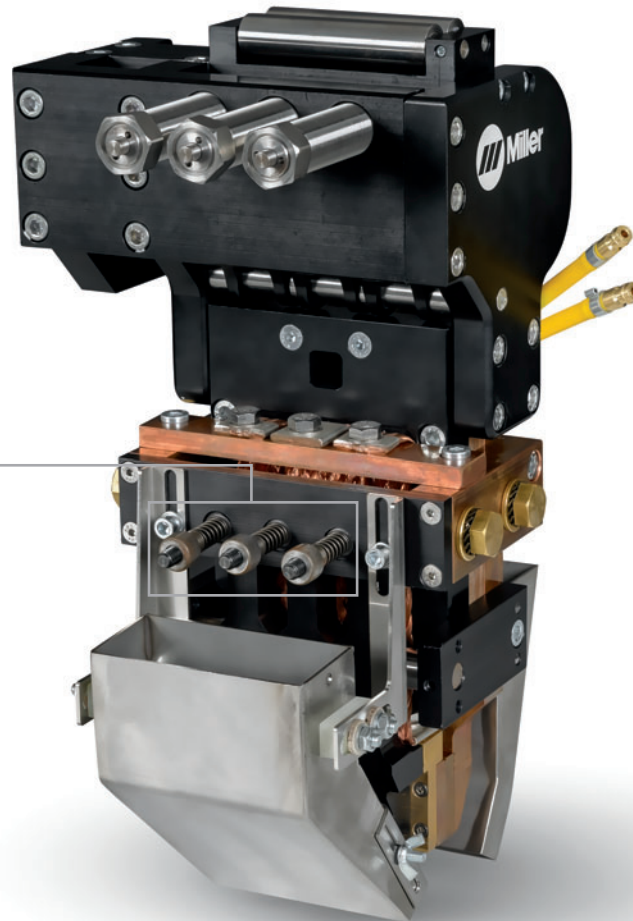
30–90 mm: 3,000 A at 100% duty cycle

Cladding solutions by Miller and Hobart Filler Metals provide cost-efficient means of depositing stainless steel and Ni-alloy materials to create corrosion- or wear-resistant overlays on large non- or low-alloyed steel components.

Cladding heads are designed for both submerged arc and electroslag strip cladding applications.

Individually adjustable spring-loaded contact jaws provide optimal current transfer, reducing risk of cladding failures.

Flexible external cladding head accommodates strip widths from 30 to 90 mm.



Full-width strip drive roller includes independent adjustments for each 30 mm increment to optimize strip feeding with trouble-free operation.

Water-cooled body extends contact tip life and provides trouble-free operation at high duty cycle.

Flexible configuration offers multi-direction travel with adjustable strip guide for precise strip positioning.

Adjustable flux delivery chute optimizes flux coverage for each 30 mm strip width.



Warranted for 90 days, parts only.



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Specifications (Subject to change without notice.)

Model	Strip Capacity	Max. Rating	Cooling Method	Cooling Flow	Dimensions	Net Weight
External cladding head 30–90 mm	30 mm 60 mm 90 mm	3,000 A	Coolant	4.2 qt./min. (4 L/min.)	H: 14.92 in. (379 mm) W: 8.76 in. (223 mm) D: 8.9 in. (226 mm)	38.5 lb. (17.5 kg)

Genuine Miller® Accessories



SubArc Strip Drive 100 Digital Low Voltage 300940

Heavy-duty, right-angle strip drive assembly with mounting bracket. Designed for automated strip clad applications.

Coolant Systems For more information, see the Coolmate™ Series literature AY/7.2.



Coolmate™ 3

043007 115 V

043008 230 V

Unique paddle-wheel indicator, external filter and easy-fill spout.

Coolmate™ 4 **042288** 115 V

Tough molded polyethylene case with carrying handle.



Low-Conductivity Coolant **043810**

Sold in cases of four one-gallon recyclable plastic bottles. Miller coolants contain a base of ethylene glycol and deionized water to protect against freezing to -37 degrees Fahrenheit (-38°C) or boiling to 227 degrees Fahrenheit (108°C). Also contains a compound that resists algae growth.

Ordering Information

Equipment	Stock No.	Description	Qty.	Price
External Cladding Head 30–90 mm	301167			
Accessories				
SubArc Strip Drive 100 Digital Low Voltage	300940	Heavy-duty right-angle drive motor with mounting bracket for automated strip clad applications		
Coolmate™ 3	043007 043008	115 V, 50/60 Hz CE 230 V, 50/60 Hz CE		
Coolmate™ 4	042288 042288015	115 V, 50/60 Hz 115 V, 50/60 Hz CE		
Low-Conductivity Coolant	043810	1-gallon plastic bottle. Must be ordered in multiples of four (one case)		
Water Flow Switch Kit	195461			
Water Hose Extension (Rubber)	40V76R6 40V76R 40V76RL	6 ft. (1.8 m) 12.5 ft. (3.8 m) 25 ft. (7.6 m)		
Water Coupler	11N18	5/8"-18 LH		
Quick-Release Water Kit	QRW			

Date:

Total Quoted Price:

Distributed by:

