

RobustFeed AVS ECHO

A versatile voltage-sensing wire feeder for use with any CV or CC welding power supply. Now with Voltage adjustment on ECHO Upgraded Warrior power sources and Voltage compensation for losses on long welding cables



reddot winner 2021

Industry

- Railcars
- Ship/Barge Building
- Civil Construction
- Repair and Maintenance



Internal LED lights and integrated storage for wear parts in lid

RobustFeed – our most durable, ergonomic, and high-performing wire feeder yet, makes the best AVS feeder on the market with ECHO communication to upgraded Warrior power sources.

The RobustFeed, with its ergonomic, robust and enclosed design, is the ideal partner whenever portability and durability are key. These welding wire feeders are equipped with a new precision wire drive system perfect for demanding applications.

- Adjustment of the Voltage from the RobustFeed AVS ECHO on the ECHO Upgraded Warrior power sources saves time as the welders do not need to go to the power source for Voltage adjustments
- The RobustFeed AVS ECHO performs a measurement on the first weld and compensates for any losses that may occur in the welding circuit, for all following welds
- Quick-change, four-roll drive reduces downtime and provides consistent feeding results. Rolls are easily changed from one wire size to another without the need for tools
- Digital meters for Voltage and WFS ensure more arc time, are labour-saving and beneficial for critical welds using specific welding procedures
- Durable, drop-proof housing that withstands demanding applications
- IP54 weatherproof, enclosed design that withstands rain from all directions ensures the filler metal is kept dry, and is the most dust protected wire feeder
- Full use of the RobustFeed family accessories such as wheel kit and strain reliefs make this feeder the perfect solution for the toughest applications

Visit esab.com for more information.

RobustFeed AVS ECHO

Specifications	
Input Voltage, Max	14 - 100 VDC
Welding Output	500 A @ 40% 450 A @ 60% 350 A @ 100%
Wire Dimensions Mild Steel Stainless Steel Cored Wire Aluminium	0.6 – 2.0 mm (.023 - 5/64 in.) 0.6 – 1.6 mm (.023 - 1/16 in.) 0.9 – 2.4 mm (.035 - 3/32 in.) 0.9 – 1.6 mm (.035 - 1/16 in.)
Wire Feed Speed	1.3 – 25.0 m/min (50 – 984 ipm)
Wire Spool Capacity	20 kg (44 lbs)
Max Spool Diameter	300 mm (12 in.)
Operating Temperature	-20° to +55°C (-4 to 131 °F)
Protection Class	IP54
Certification Mark (Standards)	CSA
Dimensions L x W x H, incl. top handle	595 x 250 x 430 mm (23.4 x 9.8 x 16.9 in.)
Weight	18.37 kg (40 lbs)

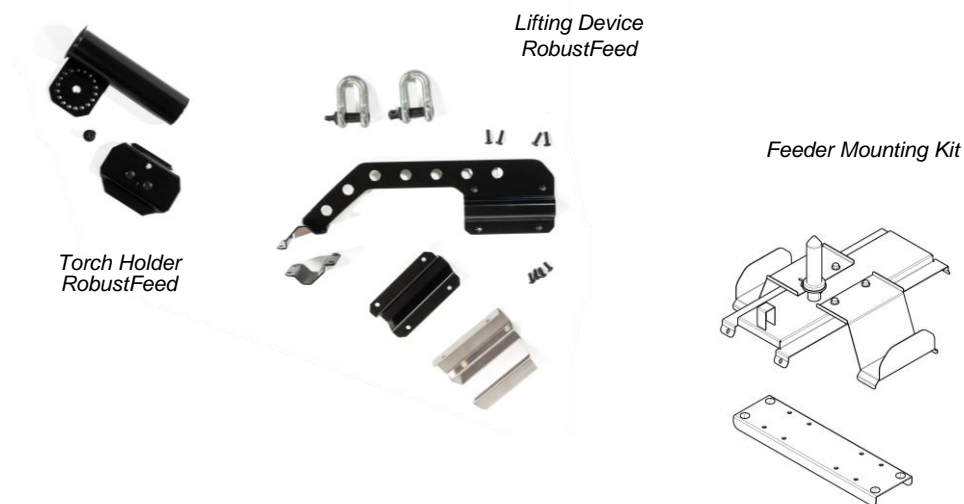
Features	
	RobustFeed AVS ECHO NA
Current Display	x
Gas Flow Meter	x
Front Torch Connector, Tweco 4	x
Front HMI Panel (V/A display)	x
Front Knobs	x
IP54	x
LED (Internal)	x
Gas-purge/inching	x
2T/4T	x
Creep Start	x
Circuit Breaker	x
On/OFF Switch	x
CC/CV Mode	x

RobustFeed AVS ECHO

Ordering Information	
RobustFeed AVS ECHO, NA Tweco	0448700881

Options & Accessories	
Warrior 500i ECHO CC/CV 380-575V, CSA	0448550881
Feeder Mounting Kit, Power Source Assembly incl cable holders	0447518880
RobustFeed Wheel Kit *	0446081880
Guide Pin Extension Kit *	0465508880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Boom Adaptor (Lifting Device)	0446956880
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Quick Connector Marathon Pac™	F102440880
4-wheel Feeder Trolley for >300 mm (12 in) Spools	0349313700
Euro MIG Gun Connection Kit	0446120880
Tweco 5 MIG Gun Connection Kit	0446120884
Power Cable & Gas Hose Bundle 0.6 m (24 in.)	0446675880
OKC 50 female cable connector, 1/0-4/0 cable (50 mm²) EU	0160361881
OKC 50 male cable connector, 1/0-4/0 cable (50 mm²) EU	0160360881
Tweco 4-MPC-1 Cable Connector, Male Half (3/0-4/0) Clamshell, 2 ea. Male	9425-1410
Tweco 4-MPC-2 Cable Connector, Female Half (3/0-4/0) Clamshell, 2 ea. Female	9425-1420




* Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.



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Torches, Tweco			
	3 m (10 ft)	4.6 m (15 ft)	7.6 m (25 ft)
Spraymaster 450 Tweco	1040-1050	1040-1052	1040-1058
Supra XT 450 Tweco	-	1040-1332	-
SEFC 350 Tweco	1031-1642	1031-1643	-
Tweco Elite 450 Tweco*	1041-1542	1041-1543	1041-1545

* With dual-circuit cooling system for less heat, better wire feedability and fewer production stops to change wear parts.

Wear & Spare Parts			
	Groove / Side 1	Groove / Side 2	Part Number
Feed Roller V-Groove for Fe/SS/Cored Wire 	0.6 mm (0.023 in.)	0.8 mm (0.030 in.)	0445850001
	0.8 mm (0.030 in.)	0.9/1.0 mm (0.03/0.040 in.)	0445850002
	0.9/1.0 mm (0.03/0.040 in.)	0.9/1.0 mm (0.03/0.040 in.)	0445850003
	0.9/1.0 mm (0.03/0.040 in.)	1.2 mm (0.045 in.)	0445850004 *
	1.2 mm (0.045 in.)	1.2 mm (0.045 in.)	0445850005
	1.4 mm (0.052 in.)	1.6 mm (1/16 in.)	0445850006
	2.0 mm (5/64 in.)	2.0 mm (5/64 in.)	0445850007
Feed Roller V-Groove for Cored Wire 	0.9/1.0 mm (0.03/0.040 in.)	1.2 mm (0.045 in.)	0445850030
	1.2 mm (0.045 in.)	1.2 mm (0.045 in.)	0445850031
	1.2 mm (0.045 in.)	1.4 mm (0.052 in.)	0445850032
	1.6 mm (1/16 in.)	1.6 mm (1/16 in.)	0445850033
	2.0 mm (5/64 in.)	2.0 mm (5/64 in.)	0445850035 *
	2.4 mm (3/32)	2.4 mm (3/32)	0445850036
Feed Roller U-Groove for Aluminum Wire 	0.8 mm (0.030 in.)	1.0 mm (0.040 in.)	0445850050
	1.0 mm (0.040 in.)	1.2 mm (0.045 in.)	0445850051
	1.2 mm (0.045 in.)	1.6 mm (0.062 in.)	0445850052
Wire Guide	Inlet Nozzle	Middle Nozzle	Outlet Nozzle
Wire Guide for Fe/SS/C 0.6–1.6 mm (0.023in – 1/16in)	0445822001 *	0446080882 *	0445830881 * Euro 0445830883 * Tweco
Wire Guide for Fe/C 1.8–2.4 mm (0.072in – 3/32in)	0445822002	0446080883	0445830883 Euro 0445830884 Tweco
Wire Guide for Al 0.8–1.6 mm (0.030in – 1/16in)	0445822001 *	0446080881	0445830885 Euro 0445830886 Tweco

For complete list of wear and spare parts please see separate manual.

* Included in delivery.

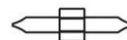
Dual Groove
Feed Roller



Inlet Wire Guide



Middle Wire Guide



Outlet Wire Guide



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