

RobustFeed AVS

A versatile voltage-sensing wire feeder for use with any CV or CC welding power supply



reddot winner 2021

Industry

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

Dirt. Drops. Mud. Rain. Game on. You are a welder, and you are not afraid to get your hands dirty. You work in some of the toughest conditions, and you need equipment you can take anywhere. That is why we created RobustFeed – our most durable, ergonomic, and high-performing wire feeder yet.

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.

- 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
- Weatherproof, enclosed design that withstands rain from all directions ensures the filler metal is kept dry
- 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.



Internal LED lights and integrated storage for wear parts in lid



Wheel Kit works with feeder horizontal or vertical

RobustFeed AVS

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 0.6 – 1.6 mm 0.9 – 2.4 mm 0.9 – 1.6 mm
Wire Feed Speed	1.3 – 25.0 m/min
Wire Spool Capacity	20 kg
Max Spool Diameter	300 mm
Operating Temperature	-20° to +55°C
Protection Class	IP54
Certification Mark (Standards)	CE,CSA,RCM,CCC,EAC,IEC
Dimensions L x W x H, incl. top handle	595 x 250 x 430 mm
Weight	18.37 kg

Features		
	RobustFeed AVS Euro	RobustFeed AVS Euro w/ flow meter
Current Display	X	X
Gas Flow Meter		X
Front Torch Connector, Euro	X	X
Front Torch Connector, Tweco 4		
Front HMI Panel (V/A display)	X	X
Front Knobs	X	X
IP44	X	X
Fan	X	X
LED (Internal)	X	X
Gas-purge/inching	X	X
2T/4T	X	X
Creep Start	X	X
Circuit Breaker	X	X
On/OFF Switch	X	X
CC/CV Mode	X	X

RobustFeed AVS

Ordering Information	
RobustFeed AVS Euro	0446700880
RobustFeed AVS Euro (incl. gas flow meter)	0446700881

Options & Accessories	
RobustFeed Wheel Kit	0446081880
Torch Strain Relief	0446082880
Trolley (RobustFeed/Warrior Feed)	0349313450
Trolley Retrofit Kit RobustFeed †	0349313100
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Quick Connector Marathon Pac™	F102440880
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
2-MPC Tweco female cable connector, 1/0-3/0	94251220
2-MPC Tweco male cable connector, 1/0-3/0	94251210

† To fit RobustFeed on previous Warrior Trolley 0465510880
** Extension Kit required when Wheel Kit is used in combination with Trolley.

Torches			
	3 m	4 m	5 m
Exeor PSF 415, with Euro Connection	0700026406	0700026407	0700026408
Exeor PSF 515, with Euro Connection	0700026411	0700026412	0700026413
Exeor PSF 420W, with Euro Connection	0700026415	0700026416	0700026417
Exeor PSF 520W, with Euro Connection*	0700026425	0700026426	0700026427

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

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Wear & Spare Parts	
Feed Roller V Groove for Fe/SS/C 0.6-0.8 mm	0445850001
Feed Roller V Groove for Fe/SS/C 0.8-0.9/1.0 mm	0445850002
Feed Roller V Groove for Fe/SS/C 0.9/1.0-0.9/1.0 mm	0445850003
Feed Roller V Groove for Fe/SS/C 0.9/1.0-1.2 mm *	0445850004
Feed Roller V Groove for Fe/SS/C 1.2-1.2 mm	0445850005
Feed Roller V Groove for Fe/SS/C 1.4-1.6 mm	0445850006
Feed Roller V Groove for Fe/SS/C 2.0 mm	0445850007
Feed Roller V-K Groove for C 0.9/1.0-1.2 mm	0445850030
Feed Roller V-K Groove for C 1.2-1.2 mm	0445850031
Feed Roller V-K Groove for C 1.2-1.4 mm	0445850032
Feed Roller V-K Groove for C 1.6-1.6 mm	0445850033
Feed Roller V-K Groove for C 2.0-2.0 mm	0445850035
Feed Roller V-K Groove for C 2.4-2.4 mm	0445850036
Feed Roller U Groove for Al 0.8-1.0mm	0445850050
Feed Roller U Groove for Al 1.0-1.2mm	0445850051
Feed Roller U Groove for Al 1.2-1.6mm	0445850052
Inlet Wire Guide Ø 2 mm for Fe/SS/Al/C 0.6-1.6mm	0445822001
Inlet Wire Guide Ø 3 mm for Fe/C 1.8-2.4 mm	0445822002
Middle Wire Guide for Fe/SS/C 0.6-1.6 mm	0446080882
Middle Wire Guide for Fe/C 1.8-2.4 mm	0446080883
Middle Wire Guide for Al 0.8-1.6 mm	0446080881
Outlet Wire Guide for Fe/SS/C 0.6-1.6 mm	0445830881
Outlet Wire Guide for Fe/C 1.8-2.4 mm	0445830882
Outlet Wire Guide for Al 0.8-1.6 mm	0445830885

Fe = Mild Steel; SS = Stainless Steel, Al = Aluminium, C = Cored Wire * Included in delivery.
For complete list of wear and spare parts please see separate manual.

Inlet Wire Guide



Middle Wire Guide



Outlet Wire Guide



Dual Groove Feed Roller



V Groove



V-K Groove



U-Groove



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