

# RobustFeed Pulse/U6/U82

Ultimate Robustness and Portability



**PRECIDRIVE**



RobustFeed  
Pulse

RobustFeed  
U6

RobustFeed  
U82



reddot winner 2021

## Industry

- Marine and Offshore
- Steel Erectors
- Structural Steel Fabrication
- Industrial and General Fabrication
- Hard Surfacing and Cladding
- Repair and Maintenance
- Mobile Equipment
- Pressure Vessels
- Pipeline

The RobustFeed, with its ergonomic, robust and enclosed design, is the ideal partner whenever portability and durability are key. Equipped with a new precision wire drive system perfect for demanding applications. Additional features include a rear Stick Electrode Connection, and integrated flow meter.

Variants include internal heater and/or push-pull interface, panel options include a direct Pulse panel and a menu based U6 and U82 panel. RobustFeed U82 offers pulse on pulse and other advanced processes with the SuperPulse functionality. RobustFeed Pulse/U6/U82 works with Aristo power sources.

- Fully portable feeder offering the benefits of pulse - reducing weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- Durable, drop-proof housing that withstands demanding applications
- Great portability with ergonomic handles, 5 lifting points and safe for crane lifting handles
- Weatherproof, enclosed design that withstands rain from all directions and inside heater ensures the filler metal is kept dry IP44 Rating
- Protected cable connectors and sturdy strain relief for interconnection cable reduces maintenance and setup time
- Works great in the field as well as in workshops, on a cart, with or without wheel kit, and other options and accessories

Visit [esab.com](http://esab.com) for more information.



Internal LED lights and intergrated storage for wear parts in lid



Wheel Kit and Strain Relief works with feeder horizontal or vertical

# RobustFeed Pulse/U6/U82

## Ultimate Robustness and Portability

Specifications	
Input Voltage	42 VAC
Welding Output	630 A @ 35% 500 A @ 60% 400 A @100%
Wire Dimensions Mild Steel Stainless Steel Cored Wire Aluminium	0.6 – 2.0 mm (0.023 – 5/64 in.) 0.6 – 1.6 mm (0.023 – 1/16 in.) 0.8 – 2.0 mm (0.031 – 5/64 in.) 0.8 – 1.6 mm (0.031 – 1/16 in.)
Wire Feed Speed	0.8 – 25.0 m/min (30 – 985 ipm)
Wire Spool Capacity	20 kg (45 lbs)
Max Spool Diameter	300 mm (12 in.)
Operating Temperature	-20° to +40 °C/ -4 to 104 °F (+55 °C/131 °F with derating)
Protection Class	IP44
Certification Mark (Standards)	CE, CSA
Dimensions L x W x H	595 x 250 x 430 mm (23.4 in x 9.8 in x 16.9 in.)
Weight	16.7 kg (36.8 lbs)

Panel Functions			
	<b>RobustFeed Pulse + Aristo 500ix</b>	<b>RobustFeed U6 + Aristo 500ix</b>	<b>RobustFeed U82 + Aristo 500ix</b>
MIG CV	x	x	x
MIG Pulse	x	x	x
Synergic Lines	Steel, Stainless Steel, Aluminum - 93 lines	Steel, Stainless Steel, Aluminum - 92 lines	Steel, Stainless Steel, Aluminum - 259 manual and 68 robotic lines
Stick	Stick controls and outlet on wire feeder *	Stick controls and outlet on wire feeder *	x
ACAG		Gouging controls and outlet on wire feeder *	x
Live TIG	-	x	x
Gas Flow Meter, Heat Kit	x *	x *	x *
2T/4T	x	x	x
Hot Start	x	x	x
Creep Start	x	x	x
Crater Fill	x	x	x
Burnback	x	x	x
SCT	x	x	x
Amperage Setting	x	x	x
Gas Pre- and Post-flow Setting	x	x	x
Qset	x	x	x
Memory Settings	3	10	255
Spot Welding Time		x	x
Setting Limits	-	x	x (and measure limits)
Code Lock	-	x	x (and user levels)
SuperPulse	-	-	x
Synergic Line Creation	-	-	x

# RobustFeed Pulse/U6/U82

## Ultimate Robustness and Portability

Easy 2 Step Ready To Weld Package Selection:

Step 1: Select Basic Package

Step 2: Select Interconnection Length

Ordering Information	Power Source Only	Basic Packages*	
Aristo 500ix, 380 – 575V	0446200881	w/ RobustFeed Pulse	0558102737
		w/ RobustFeed U6	0558102716
		w/ RobustFeed U6 WC	0558102738
Interconnection Cables		Air-Cooled	Water-Cooled
Interconnection – 70 mm 2 CAN w strain relief, 6 ft (2 m)		0446255880	0446255890
Interconnection – 70 mm 2 CAN w strain relief, 16 ft (5 m)		0446255881	0446255891
Interconnection – 70 mm 2 CAN w strain relief, 50 ft (15 m)		0446255883	0446255893
Interconnection – 70 mm 2 CAN w strain relief, 82 ft (25 m)		0446255885	0446255895

\***Basic Package Includes:** Power Source with ground lead and clamp; RobustFeed™; 0781-3641 – Victor® ESS32-50CFH-580 EDGE 2.0 Flow Gauge Regulator; 0349313450 Cart - 4 wheel, single cylinder; 10401833 Tweco® Spraymaster V450 MIG Gun 15 ft 1/16; Water cooled Basic Package includes: 0465427880 - Cool 2 unit and Spraymaster MIG Gun is substituted with 10441179 - FUSION PRO 450 W/C 15ft, Euro.

**NOTE: Power Sources, Basic Packages and Ready to Weld Combinations require the customer to supply input power cables. Suggested cable is 4C 8Awg input cable**

Ordering Information	
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Tweco 4	0445800904
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800900
RobustFeed Pulse (push pull capable, gas flow meter+heater+MMA outlet) Air-cooled, Tweco 4	0445800893
RobustFeed U6 (push pull capable, gas flow meter+heater+MMA outlet) Air-cooled, Tweco 4	0445800890
RobustFeed U6 (push pull capable, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800888

*ELP feature needed for use with legacy equipment for example Cool 1.*

Options & Accessories	
RobustFeed Wheel Kit	0446081880
Torch Strain Relief	0446082880
Trolley (RobustFeed/Warrior Feed)	0349313450
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Quick Connector Marathon Pac™	F102440880

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

Interconnection Cables		
	Air-Cooled	Water-Cooled
Interconnection – 70 mm 2 CAN w strain relief, 6 ft (2 m)	0446255880	0446255890
Interconnection – 70 mm 2 CAN w strain relief, 16 ft (5 m)	0446255881	0446255891
Interconnection – 70 mm 2 CAN w strain relief, 50 ft (15 m)	0446255883	0446255893
Interconnection – 70 mm 2 CAN w strain relief, 82 ft (25 m)	0446255885	0446255895
Interconnection Strain Relief Kit Aristo **		0446050881

\*\* To upgrade existing Aristo interconnection cable sets to fit with RobustFeed

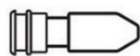
# RobustFeed Pulse/U6/U82

## Ultimate Robustness and Portability

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 0.8-1.0 mm	0445850050
Feed Roller U Groove for Al 1.0-1.2 mm	0445850051
Feed Roller U Groove for Al 1.2-1.6 mm	0445850052
Inlet Wire Guide Ø 2 mm for Fe/SS/Al/C 0.6-1.6 mm	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, Tweco	0445830883
Outlet Wire Guide for Fe/C 1.8-2.4 mm, Tweco	0445830884
Outlet Wire Guide for Al 0.8-1.6 mm, Tweco	0445830886

Fe = Mild Steel; SS = Stainless Steel, Al = Aluminum, 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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