

# RobustFeed Pulse/U6/U82

Portable and rugged wire feeders for pulse applications



**PRECIDRIVE**  
POWERFULLY PRECISE WIRE FEEDING

**SPOOLSAFE**  
PROTECTS YOUR WIRE IP54



RobustFeed  
Pulse

RobustFeed  
U6

RobustFeed U82



reddot winner 2021

## Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Steel Erectors
- Marine and Offshore
- Transportation
- Railcars
- Mobile Equipment
- Tank and Vessel Fabrication
- Pressure Vessels
- Energy



Internal LED lights and integrated storage for wear parts in lid

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

RobustFeed Pulse control functions are easy to find, set and fine-tune, while the RobustFeed U6 offers additional functionality including parameter limits and parameter lock for better repeatability. RobustFeed U82 offers pulse on pulse and other advanced processes with the SuperPulse functionality. All units offer synergic lines to address a wide variety of steel, aluminium and stainless steel wires.

- 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
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- Durable housing, sturdy strain relief for interconnection, 5 ergonomic lifting points and safe for crane lifting handles makes product truly portable
- Integrates perfectly on standard trolleys, with or without wheel kit, and other options and accessories
- SpoolSafe - a unique in the market IP54 protection against dirt/dust keeps your wire dry and clean, improves feedability and reduces risk of contaminations of the weld
- The 2021 Red Dot design award winning design provides well-designed ergonomics and user operation

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



Wheel Kit and Torch Strain Relief works with feeder horizontal or vertical

## 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.) 0.8–2.4 mm (0.031–3/32 in.) 0.8–1.6 mm (0.031–1/16 in.)
Wire Feed Speed	0.8 – 25.0 m/min
Wire Spool Capacity	20 kg
Max Spool Diameter	300 mm
Operating Temperature	-20° to +40 °C (+55 °C with derating)
Protection Class	IP54
Certification Mark (Standards)	CE
Dimensions L x W x H	595 x 250 x 430 mm
Weight	16.7 kg

## 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, Aluminium 93 lines	Steel, Stainless Steel, Aluminium 92 lines	Steel, Stainless Steel, Aluminium 259 manual and 68 robotic lines
MMA	MMA controls and outlet on wire feeder *	MMA controls and outlet on wire feeder *	x
Gouging		Gouging controls and outlet on wire feeder *	x
Live TIG		x	x
Gas Flow Meter	x *	x *	x *
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 (Pulse/Pulse, Pulse/Spray, Pulse/Short)			x
Synergic Line Creation			x

\* Depending on variant

## Ordering Information

RobustFeed Pulse Water-cooled Euro <sup>2)</sup>	0445800894
RobustFeed Pulse (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>2)</sup>	0445800891
RobustFeed Pulse (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>1)</sup>	0445800892
RobustFeed U6 Water-cooled Euro <sup>2)</sup>	0445800897
RobustFeed U6 (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>2)</sup>	0445800887
RobustFeed U6 (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>1)</sup>	0445800888
RobustFeed U82 (incl. U82 Plus, ELP) Water-cooled Euro	0445800899
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro	0445800898
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet, push-pull) Water-cooled Euro <sup>1)</sup>	0445800900
RobustFeed U0 (incl. ELP) Water-cooled Euro <sup>2)</sup>	0445800901

*Delivery Includes: Wire feeder with Drive rolls V-groove: 0.9/1.0 mm / 1.2 mm, Wire guides 0.6–1.6 mm, English instruction manuals wire feeder & control panel, Quick start guide, Safety instruction.*

1) Available remote M1      2) Available remotes, MTA1 CAN, AT1 CAN and other

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

*RobustFeed Pulse/U6/U82 with push-pull has support for remote control and mechanisation with Miggytrac B5001 & Railtrac B42V/BV2000. Compatible push-pull torches MXH 315PP and MXH 420wPP.*

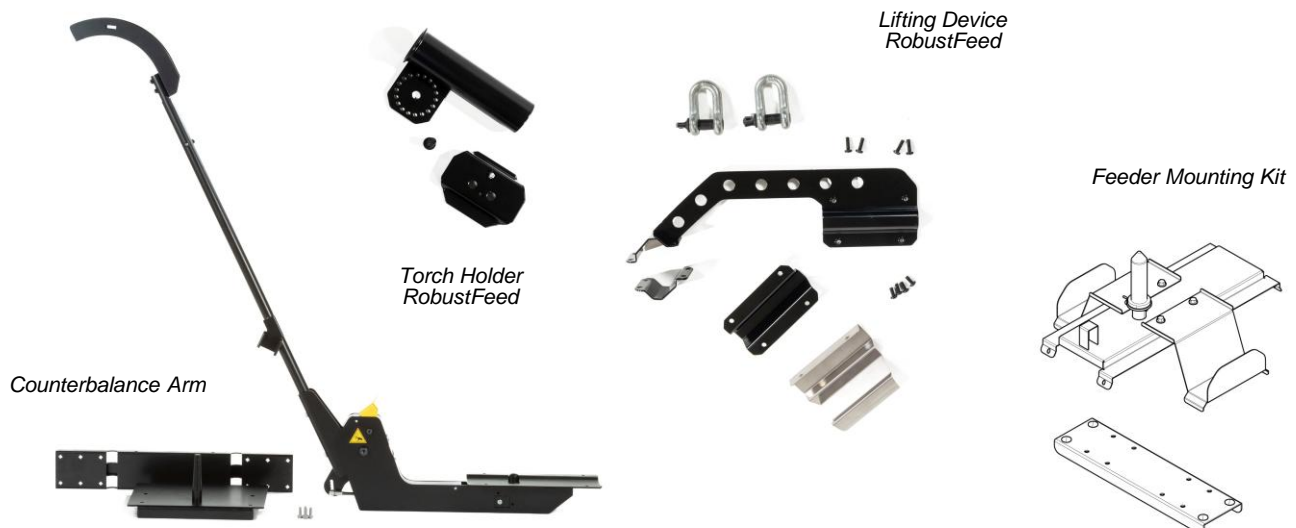
*Combine RobustFeed U0 with one RobustFeed U82 to have two wire feeders simultaneously connected.*

## Options & Accessories

4-wheel Trolley, Power Source	0349313450
Guide Pin Extension Kit *	0465508880
Counterbalance Arm, RobustFeed **	0448181880
Counterbalance Arm Extension Kit for use with 6m and 7.5m torches	0448116880
Stabiliser kit for Counterbalance Arm **	0465509880
RobustFeed Wheel Kit *	0446081880
Feeder Mounting Kit, Power Source Assembly incl cable holders	0447518880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Quick Connector Marathon Pac™	F102440880

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

\*\* Stabilizer Kit 0460946880 required when Counterbalance is used in combination with Trolley 0349313450



## 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.

## Interconnection Cables, incl. strain relief

Length	Gas-Cooled, 70mm <sup>2</sup>	Water-Cooled, 70mm <sup>2</sup>
2 m	0446255880	0446255890
5 m	0446255881	0446255891
10 m	0446255882	0446255892
15 m	0446255883	0446255893
20 m	0446255884	0446255894
25 m	0446255885	0446255895
35 m	0446255886	0446255896

Interconnection Strain Relief Kit Aristo 0446050881, to upgrade existing Aristo interconnection cable sets to fit with RobustFeed

## Wear & Spare Parts

	Groove / Side 1	Groove / Side 2	Part Number
<b>Feed Roller V-Groove for Fe/SS/Cored Wire</b>  	0.6 mm	0.8 mm	0445850001
	0.8 mm	0.9 / 1.0 mm	0445850002
	0.9 / 1.0 mm	0.9 / 1.0 mm	0445850003
	0.9 / 1.0 mm	1.2 mm	0445850004 *
	1.2 mm	1.2 mm	0445850005
	1.4 mm	1.6 mm	0445850006
	2.0 mm	2.0 mm	0445850007
<b>Feed Roller V-Groove for Cored Wire</b>  	0.9 / 1.0 mm	1.2 mm	0445850030
	1.2 mm	1.2 mm	0445850031
	1.2 mm	1.4 mm	0445850032
	1.6 mm	1.6 mm	0445850033
	2.0 mm	2.0 mm	0445850035
	2.4 mm	2.4 mm	0445850036
<b>Feed Roller U-Groove for Aluminium Wire</b>  	0.8 mm	1.0 mm	0445850050
	1.0 mm	1.2 mm	0445850051
	1.2 mm	1.6 mm	0445850052
<b>Wire Guide</b>	<b>Inlet Nozzle</b>	<b>Middle Nozzle</b>	<b>Outlet Nozzle</b>
Wire Guide for Fe/SS/C 0.6–1.6 mm	0445822001 *	0446080882 *	0445830881 *
Wire Guide for Fe/C 1.8–2.4 mm	0445822002	0446080883	0445830882
Wire Guide for Al 0.8–1.6 mm	0445822001 *	0446080881	0445830885

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

\* Included in delivery.

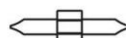
Dual Groove  
Feed Roller



Inlet Wire Guide



Middle Wire Guide



Outlet Wire Guide



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