

RobustFeed Pulse/U6/U82

Portable and rugged wire feeders for pulse applications



PRECIDRIVE



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

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
- The 2021 Red Dot design award winning design of the RobustFeed also provides additional benefits including, best in class enclosure from moisture and dust to keep the spool safe, an integrated heater and flow meter and well-designed ergonomics

Visit esab.com for more information.



Internal LED lights and integrated storage for wear parts in lid



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	IP44
Certification Mark (Standards)	CE
Dimensions L x W x H	595 x 250 x 430 mm
Weight	16.7 kg

Panel Functions

	RobustFeed Pulse + Aristo 500ix	RobustFeed U6 + Aristo 500ix	RobustFeed U82 + Aristo 500ix
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 ²⁾	0445800894
RobustFeed Pulse (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro ²⁾	0445800891
RobustFeed Pulse (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro ¹⁾	0445800892
RobustFeed U6 Water-cooled Euro ²⁾	0445800897
RobustFeed U6 (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro ²⁾	0445800887
RobustFeed U6 (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro ¹⁾	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 ¹⁾	0445800900
RobustFeed U0 (incl. ELP) Water-cooled Euro ²⁾	0445800901

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

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

Torches	3 m	4 m	5 m
PSF 415, with Euro Connection	0700025040	0700025041	0700025042
PSF 515, with Euro Connection	0700025050	0700025051	0700025052
PSF 420W, with Euro Connection	0700025060	0700025061	0700025062
PSF 520W, with Euro Connection*	0700025070	0700025071	0700025072

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

Interconnection Cables	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm ² , 2.0m, incl. strain relief	0446255880	0446255890
Interconnection Cables - 70mm ² , 5.0m, incl. strain relief	0446255881	0446255891
Interconnection Cables - 70mm ² , 10.0m, incl. strain relief	0446255882	0446255892
Interconnection Cables - 70mm ² , 15.0m, incl. strain relief	0446255883	0446255893
Interconnection Cables - 70mm ² , 20.0m, incl. strain relief	0446255884	0446255894
Interconnection Cables - 70mm ² , 25.0m, incl. strain relief	0446255885	0446255895
Interconnection Cables - 70mm ² , 35.0m, incl. strain relief	0446255886	0446255896
Interconnection Strain Relief Kit Aristo **	0446050881	

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

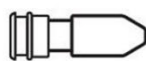
Wear & Spare Parts

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

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

* Included in delivery.

Inlet Wire Guide



Middle Wire Guide



Outlet Wire Guide



Dual Groove Feed Roller



V Groove



V-K Groove



U-Groove



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