ROBUSTFEED EDGE DX

Reliable, easy to use, with built in connectivity

PRECIDRIVE POWERFULLY PRECISE WIRE FEEDING
SPOOLSAFE PROTECTS YOUR WIRE IP54

ESAB ®

WeldCloud™

reddot design award winner 2021

RobustFeed Edge DX

Industry

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

Internal LED lights at spool and mechanism, integrated storage for wear parts in lid, graphic panel for material set-up and configuration

RobustFeed Edge is an easy-to-use, high-performing, and connected multi-process MIG wire feeder for heavy industrial welding.

- **TrueFlow –** digital gas flow control system from ESAB, effectively manages shielding gas, both in starts and while welding thus improving quality and decreasing consumption

- **Hybrid HMI –** material selection and configurations on a TFT screen inside the unit with a clear and easy to use external display for everyday operation makes unit intuitive to operate

- **PULSE** WeldMode **–** adaptive pulse MIG process optimized to compensate for operator variation with an easy, user-friendly setup designed to achieve excellent weld results

- **SPEED** WeldMode **–** provides a focused arc that allows the welder to control the weld puddle at higher travel speeds thus increasing the productivity, on steel, stainless steel, and aluminium.

- **THIN** WeldMode – reduces spatter levels and helps reduce distortion when welding thin plates

- **CRAFT** WeldMode – double pulse weld process designed to enhance aluminium and stainless-steel, producing TIG like bead appearance with the productivity of MIG welding

- **ROOT and ROOT Pipe** WeldModes – easy to control gap bridging ability, optimized for root pass welding

- **Push Pull Compatible** – capability added to ensure the system is plug and play ready with the water-cooled Push Pull 350.

- **Operator Management** – quick to set-up system with RFID key card that allows locking down quick-jobs with limit setting that improves repeatability and adherence to welding procedure specifications

- **PreciDrive –** wire drive system that maintains precision wire feeding performance to promote consistent weld quality

- **SpoolSafe** – unique in the market, IP54 protection against dust, dirt, and other debris that keeps your wire dry and clean, improves feedability and reduces risk of contaminations of the weld

- **WeldCloud** – integrated connectivity

- **Red Dot design award 2021** – winning design provides well-designed ergonomics and intuitive user interface that reduces operator training needs

Visit **esab.com** for more information.

ROBUSTFEED EDGE DX

Specifications	
Input Voltage	60 VDC
Welding Output at 40°C	500 A @ 60% 400 A @100%
Standby Power	30 W

Wire Dimensions
  Mild Steel
  Stainless Steel
  Cored Wire
  Aluminum
	0.8 – 2.0 mm (.030 – 5/64 in.)
	0.8 – 1.6 mm (.030 – 1/16 in.)
	0.9 – 2.4 mm (.035 – 3/32 in.)
	0.8 – 1.6 mm (.030 – 1/16 in.)

Welding Processes	MIG/MAG, MIG/MAG Synergic, MIG Pulse, MMA (Stick)* , Gouging*
Wire Feed Speed	0.8 – 25.0 m/min (31 – 984 in./min)
Wire Spool Capacity	20 kg (44.12 lbs)
Max Spool Diameter	300 mm (12 in.)
Operating Temperature	-20 to +55°C (0 to 131°F)
Protection Class	IP54
Certification Mark (Standards)	CSA
Dimensions L x W x H	595 x 250 x 430 mm (23.42 x 9.84 x 16.92 in.)
Weight	16.8 kg (37.03 lbs)

* OKC on rear of feeder and power source.

Selection Guide Wire Feeder								
Description	Part Number	Spoolsafe IP54	Dual HMI	RFID Panel Lock	Trueflow Digital Gas Control	Heater	MMA Outlet	Push/Pull Capable
RobustFeed Edge DX (CSA)	0446600885	X	X	X	X	X	X	X

Selection Guide Power Source										
Description	Part Number	Cooler	Multi-P HMI	SYN	PULSE	SPEED	THIN	CRAFT	ROOT	ROOT PIPE
Warrior Edge 500 CX II (CSA)	0448500884	Optional	X	X	X	X				
Warrior Edge 500 DX (CSA)	0446300889	Integrated 1.4 kW	X	X	X	X	X	X	X	X

Torches		
Description	15ft	25ft
Exeor MIG 4.0W² CX, Water-Cooled, Up/down * Tweco	0700026510	0700026511
Exeor MIG 4.0W² DX, Water-Cooled, Graphic display ** Tweco	0700026514	0700026515

* Torch with enhanced cooling performance. Includes Torch LED light and CX remote module for JOB selection / WFS / V, 2T/4T
** Torch with enhanced cooling performance. Includes Torch LED light and DX grapical remote module for JOB selection / WFS / V / 2T/4T / Measure values

For more information on Exeor torches, see separate fact sheet.

Push Pull Torches		
Description	25ft	40ft
PP 350w, Inline push-pull, TWECO	0700026195	0700026196

For more information on PP350W torches, see separate fact sheet.

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Interconnection Cables, incl. strain relief		
Length	**70mm²**	
	Gas-Cooled	**Water-Cooled**
2.0 m (6.5 ft)	0446310880	0446310890
5.0 m (16 ft)	0446310881	0446310891
10.0 m (32 ft)	0446310882	0446310892
15.0 m (50 ft)	0446310883	0446310893
20.0 m (64 ft)	0446310884	0446310894
25.0 m (82 ft)	0446310885	0446310895
35.0 m (114 ft)	0446310886	0446310896

Options & Accessories	
Description	**Part Number**
Cool 2	0465427880
Coolant Liquid, 10 l (2.64 gal)	0465720002
4-wheel Trolley, Power Source	0349313450
Counterbalance Arm with Stabilizer Kit, for 3 in 1 Trolley	0448181880
Counterbalance Arm Extension Kit for use with 6 m (20 ft) and 7.5 m (25 ft) torches	0448116880
Wheel Kit, Power Source	0465416880
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
Quick Connector Marathon Pac	F102440880
4-wheel Feeder Trolley for >300 mm (12 in.) Spools	0349313700
RFID Admin Card Kit, 5 Cards (2 incl. with RobustFeed)	0447776880
RFID User Card Kit, 5 Cards (3 incl. with RobustFeed)	0447776881
Remote User Interface, RobustFeed EDGE	0448850880
Control Cable, 2 m (6.5 ft)	0349314654
Control Cable, 5 m (16 ft)	0349314652
Control Cable, 10 m (32 ft)	0349314650

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

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

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

* Included in delivery.

Counterbalance Arm

Torch Holder RobustFeed

Lifting Device RobustFeed

Exeor MIG 4.0W ^{2} CX and 4.0W ^{2} DX Torches

Remote User Interface

PP 350w Inline Push-pull

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