

ROBUSTFEED EDGE BX/CX/DX

Reliable, easy to use, with built in connectivity



PRECIDRIVE
POWERFULLY PRECISE WIRE FEEDING

SPOOLSAFE
PROTECTS YOUR WIRE
IP54



reddot design award
winner 2021

RobustFeed Edge CX

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 (CX and DX Only)
- **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** – RobustFeed EDGE DX is compatible and configured to be Aluminium ready, plug and play with the water-cooled Push Pull 350 torch.
- **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 BX/CX/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 0.8 – 1.6 mm 0.9 – 2.4 mm 0.8 – 1.6 mm
Welding Processes	MIG/MAG, MIG/MAG Synergic, MIG Pulse, MMA (Stick)* , Gouging*
Wire Feed Speed	0.8 – 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
Dimensions L x W x H	595 x 250 x 430 mm
Weight	16.8 kg

* OKC on power source. DX model also has the OKC on the rear of the feeder.

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 BX (CE)	0446600880	X	X	X				
RobustFeed Edge CX (CE)	0446600881	X	X	X	X	X		
RobustFeed Edge DX (CE)	0446600882	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 I (CE)	0448500880	Optional	X	X	X					
Warrior Edge 500 CX II (CE)	0448500881	Optional	X	X	X	X				
Warrior Edge 500 DX (CE Water)	0446300886	Integrated 1.4 kW	X	X	X	X	X	X	X	X

Torches			
Description	3 m	4 m	5 m
Exeor MIG 4.0G ² , Gas-Cooled *	0700025752	0700025753	0700025754
Exeor MIG 4.0G ² CX, Gas-Cooled, Up/down **	0700025755	0700025756	0700025757
Exeor MIG 4.0G ² DX, Gas-Cooled, Graphic Display***	0700025758	0700025759	0700025760
Exeor MIG 4.0W ² , Water-Cooled *	0700026050	0700026051	0700026052
Exeor MIG 4.0W ² CX, Water-Cooled, Up/down **	0700025730	0700025731	0700025732
Exeor MIG 4.0W ² DX, Water-Cooled, Graphic display ***	0700025733	0700025734	0700025735

* Torch with enhanced cooling performance.

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

*** Torch with enhanced cooling performance. Includes Torch LED light and DX graphical display remote for JOB selection / WFS / V / 2T/4T / Measure values, Arc Dynamics

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

ROBUSTFEED EDGE BX/CX/DX

Push Pull Torches		
Description	8 m	12 m
PP 350w, Inline push-pull, EURO	0700026191	0700026192

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

Interconnection Cables, incl. strain relief				
Length	70mm ²		95 mm ²	
	Gas-Cooled	Water-Cooled	Gas-Cooled	Water-Cooled
2.0 m	0446310880	0446310890	0446310980	0446310990
5.0 m	0446310881	0446310891	0446310981	0446310991
10.0 m	0446310882	0446310892	0446310982	0446310992
15.0 m	0446310883	0446310893	0446310983	0446310993
20.0 m	0446310884	0446310894	0446310984	0446310994
25.0 m	0446310885	0446310895	0446310985	0446310995
35.0 m	0446310886	0446310896	0446310986	0446310996

Options & Accessories	
Description	Part Number
Cool 2	0465427880
Coolant Liquid, 10 l	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 6m and 7.5m 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 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	0349314654
Control Cable, 5 m	0349314652
Control Cable, 10 m	0349314650

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

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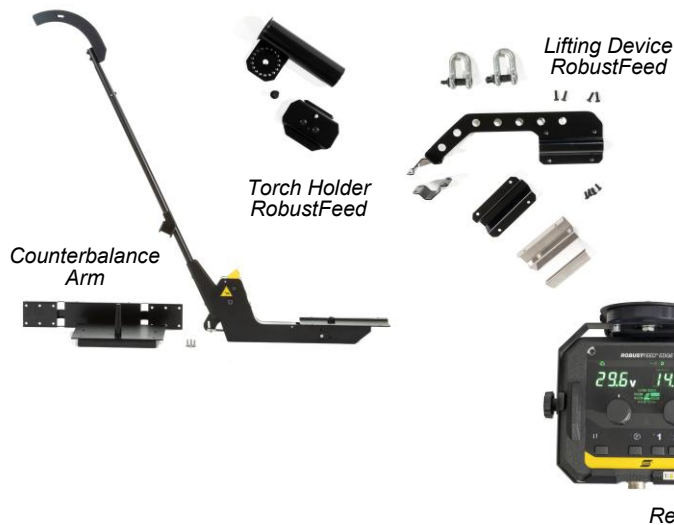
Wear & Spare Parts

Feed Roller V-Groove for Fe/SS/Cored Wire	Groove / Side 1	Groove / Side 2	Part Number
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
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, see separate manual.

* Included in BX and CX delivery.

** Included in DX delivery



Exeor MIG 4.0W² CX and 4.0W² DX Torches



PP 350w Inline Push-pull



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