

HELIX[®] WF20S and WF20B

Processes

TIG

Product Number

K52097-1 HELIX WF20S

K52097-2 HELIX WF20B

See back for complete specs

Input Power

24V DC

Amperage

20 amps

Net Weight (without wire)

WF20S: 10.2 lb. (4.6 kg)

WF20B: 17.9 lb. (8.1 kg)

Distance from Feeder to Arc

15 ft. (4.6 m) Max.

Dimensions (H x W x D)

WF20S: 5.7 x 13.6 x 13.1 in.

(144.8 x 345.4 x 332.7 mm)

WF20B: 17.1 x 15.8 x 11.1 in.

(434.3 x 401.3 x 281.9 mm)

Wire Feed Speed

1.0-130 ipm (2.54-330.2 cm/min)

Wire Feed Size

.030-.045 in. (0.76-1.1 mm)

HELIX WF20S and WF20B Wire Feeders

The HELIX WF20S and WF20B wire feeders for TIG welding applications are designed to withstand rugged use in harsh environments. These reliable feeders use a precision wire feed motor to ensure correct wire feed speed throughout the weld. Their intuitive designs allow the user to install new wire spools in under a minute with no tools required. Paired with the C series of weld heads, these off board wire feeders are easy to set up and use in the shop or field.

FEATURES

- Designs are portable, lightweight and durable.
- Precise control of the wire delivery.
- ▶ **WF20S**
 - For smaller spools from 2-10 lb. (0.9-4.5 kg).
 - Compartment for tool and consumable storage.
 - Pendant latch allows the wire feeder and control pendant to be carried with one hand.
- ▶ **WF20B**
 - Designed for stationary units and larger wire spools.
 - For larger spools from 10-44 lb. (4.5-20.0 kg).
 - Built for a stationary unit.
 - Sleek design covers the top to protect wire from dirt without interfering with installation and removal.



Shown:
K52097-1 HELIX WF20S



Shown:
K52097-1 HELIX WF20B

APPLICATIONS

- ▶ Nuclear Energy
- ▶ Thermal Energy
- ▶ Petroleum Processing
- ▶ Pressure Vessel
- ▶ Contractors

HELIX WF20S WIRE FEEDER

Part Number	Description
KP52080-035	HELIX WF20S Inlet/Outlet Guide Set, .030-.035 in. (0.8-0.9 mm)
KP52080-045	HELIX WF20S Inlet/Outlet Guide Set, .040-.045 in. (1.0-1.1 mm)

HELIX WF20B WIRE FEEDER

Part Number	Description
KP52115-035	HELIX WF20B Inlet/Outlet Guide Set, .030-.035 in. (0.8-0.9 mm)
KP52115-045	HELIX WF20B Inlet/Outlet Guide Set, .040-.045 in. (1.0-1.1 mm)

COMMON TO BOTH WIRE FEEDERS

Part Number	Description
KP52079-030	HELIX Wire Feed Drive Roll Set, 0.030 in. (0.8 mm)
KP52079-035	HELIX Wire Feed Drive Roll Set, 0.035 in. (0.9 mm)
KP52079-040	HELIX Wire Feed Drive Roll Set, 0.040 in. (1.0 mm)
KP52079-045	HELIX Wire Feed Drive Roll Set, 0.045 in. (1.1 mm)
KP42-3035-15	Liner .030-.035 in. (0.8-0.9 mm)
KP42-4045-15	Liner .040-.045 in. (1.0-1.1 mm)
K52124-1	HELIX C Series External Wire Feed Cable Extension, 10 ft. (3.0 m)

WIRE FEEDER SPECIFICATIONS

Product Name	Product Number	Input Power	Input Power (amps)	Wire Feed Speed ipm (cm/m)	Wire Size Range in. (mm)	Maximum Distance From Feeder To Arc ft. (m)	Wire Type	H x W x D in. (mm)	Net Weight lbs. (kg)
HELIX WF20S Wire Feeder	K52097-1	24V DC	20	1.0-130 (2.54-330.2)	.030-.045 (0.76-1.1)	15 (4.6)	Precision Wound	5.7 x 13.6 x 13.1 (144.8 x 345.4 x 332.7)	10.2 (4.6)
HELIX WF20B Wire Feeder	K52097-2							17.1 x 15.8 x 11.1 (434.3 x 401.3 x 281.9)	17.9 (8.1)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

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