

HELIX SF70A-1 & SF70A-2 M85 Onboard Wire Feeders

PRECISE & ACCURATE PERFORMANCE



MOUNTS DIRECTLY ON TO THE HELIX M85 WELD HEAD

The HELIX® SF70A-1 and SF70A-2 M85 Onboard Wire Feeders offer precise and accurate wire-feeding performance, with “plug and play” capability that mounts directly to the HELIX M85 Weld Head. Featuring brushless DC servomotors with encoder feedback, the HELIX SF70A-1 (right) and SF70A-2 (left) M85 Wire Feeders help improve quality and consistency over a broad range of wire-feed speeds.

FEATURES

- **Unsurpassed Power Density** – High-torque output in a compact lightweight package.
- **Precise Speed Control** – High-resolution encoder for precise control over a wide range of speeds.
- **Hassle-Free Adjustment** – Toolless adjustment of drive roll tension and feeder placement.
- **Environmental Resistance** – Stainless steel hardware and coated PC boards for moisture and corrosion protection.
- **Versatile and Flexible** – Drive rolls available in a wide range of sizes for solid, cored and aluminum wire.
- **Synchronized** – Both single and dual setups can be synchronized with magnetic oscillation, mechanical oscillation and pulsed amps for unparalleled wire delivery right where you need it.

Processes »

GMAW, FCAW
GTAW, Hot Wire GTAW

Applications »

Fabrication, Pipeline,
Power Generation,
Pressure Vessels, Process Pipe

Output »



Product Number »

K52230-1
K52230-2

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Wire Feed Speed Range ipm (cm/min)	Wire Size Range in (mm)			Spool Size OD in. (mm)	Dimensions H x W x D in. (mm)	Net Weight lbs. (kg)
				Solid	Cored	Aluminum			
HELIX SF70A-1 M85 Onboard Feeder	K52230-1	24 VDC	1 - 800 (2.5 - 1778)	.030 - 1/16 (0.8 - 1.6)	.035 - 1/16 (0.9 - 1.6)	.030 - 1/16 (0.8 - 1.6)	8.0 (203)	5.8 x 14.2 x 10.5 (147 x 361 x 267)	7.5 (3.4)
HELIX SF70A-2 M85 Onboard Feeder	K52230-2								

ACCESSORIES

Description	Wire Size in. (mm)	Product Number
Solid Steel Wire Smooth V Groove	.030 (0.8)	KP52079-030
	.035 (0.9)	KP52079-035
	.040 (1.0)	KP52079-040
	.045 (1.2)	KP52079-045
	.052 (1.4)	KP52079-052
	1/16 (1.6)	KP52079-062
Cored Steel Wire Knurled V Groove	.035 (0.9)	KP52079-035C
	.040 (1.0)	KP52079-040C
	.045 (1.2)	KP52079-045C
	.052 (1.4)	KP52079-052C
	1/16 (1.6)	KP52079-062C
Aluminum Wire Smooth U Groove	.030 (0.8)	KP52079-030A
	.035 (0.9)	KP52079-035A
	.040 (1.0)	KP52079-040A
	.045 (1.2)	KP52079-045A
	.052 (1.4)	KP52079-052A
	1/16 (1.6)	KP52079-062A

INLET / OUTLET GUIDE KITS	
Wire Size in. (mm)	Product Number
.030 - .045 (0.8 - 1.2)	K52244-045
.052 - 1/16 (1.4 - 1.6)	K52244-062

Hub Nut for 15 lbs. (3.00 in. wide) Spool
Product Number
K52258-1

WIRE LINER (15 ft. LENGTH)*	
Wire Size in. (mm)	Product Number
.030 - .045 (0.8 - 1.2)	KP45-3545-15
.052 - 1/16 (1.4 - 1.6)	KP45-116-15

*customer to cut liner to desired length as needed



HELIX® M85 Weld Head with SF70A-1 Onboard Feeder and Magnum Pro 550 LP12 Torch

HELIX® M85 Weld Head with SF70A-2 Onboard Feeder and Magnum Pro 550 LP12 Torch

HELIX® M85 Weld Head with SF70A-1 & SF70A-2 Onboard Feeders and PTW-18M-500 Torch

CUSTOMER ASSISTANCE POLICY

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