

# HELIX SF70C-1 & SF70C-2 M45 Onboard Wire Feeders

**POWERFUL, RELIABLE PERFORMANCE**



## MOUNTS DIRECTLY ON TO THE HELIX M45 WELD HEAD

The HELIX® SF70C-1 and SF70C-2 M45 Onboard Wire Feeders offer powerful, reliable wire feeding performance, with “plug and play” capability that mounts directly to the HELIX M45 Weld Head. Featuring brushless DC servomotors with encoder feedback, the HELIX SF70C-1 and SF70C-2 M45 Wire Feeders help improve quality and consistency over a broad range of wire-feed speeds. Choose the right or left onboard wire feeder that works best for the job site. The dual-feeder setup allows wire to be fed in either direction and works for all GMAW and GTAW applications.

### 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.
- **Low Radial Profile** – In keeping with the HELIX M45 weld head, each feeder has a double-hinge design which allows them to wrap around pipe with tight space constraints, allowing for low radial clearance.

### Processes »

GMAW, FCAW, GTAW,  
Hot Wire GTAW

### Applications »

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

### Output »



### Product Number »

K52248-1  
K52248-2

## 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 SF70C-1 M45 Onboard Feeder	K52248-1	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)	3.6 x 12.3 x 8.1 (91 x 312 x 206)	5.85 (2.65)
HELIX SF70C-2 M45 Onboard Feeder	K52248-2								

## 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® M45 Weld Head  
with SF70C-1 Onboard Feeder  
and Magnum Pro 550 LP8 Torch



HELIX® M45 Weld Head  
with SF70C-2 Onboard Feeder



HELIX® M45 Weld Head  
with SF70C-1 & SF70C-2 Onboard Feeders  
and PTW-18MLP-500 Mechanized Torch

## CUSTOMER ASSISTANCE POLICY

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