

# DLF™-84

## DIGITAL SEMIAUTOMATIC WIRE FEEDER



Shown: K5287-2 DLF-84 Single Bench Model

### DIGITAL LINCOLN FEEDERS

The DLF-84 wire feeder delivers rugged reliability and operator-friendly performance in one streamlined system. With a proven 4-roll drive and seamless Flextec® integration, it sets the standard for simple, dependable wire feeding.

\*Synergic Modes, Pulsed MIG, and Auto settings are a function of the power source. These can only be accessed by the DLF-84 if they are included in the Flextec software. Flextec 350XP, Flextec 350X PowerConnect and Flextec 500X are the recommended power sources. Other Flextecs may not allow for pulsed MIG and auto settings.

#### Processes »

CV-MIG, CV-FCAW, Pulsed MIG\*

#### Applications »

Fabrication Shops  
Welding Production Facilities

#### Output »



#### Input »



#### Recommended Power Sources »

##### Pulsed MIG Capable Power Sources

Flextec 350XP  
Flextec 350X PowerConnect®  
Flextec 500X

##### Compatible Power Sources

Flextecs with 5-pin ArcLink Connector

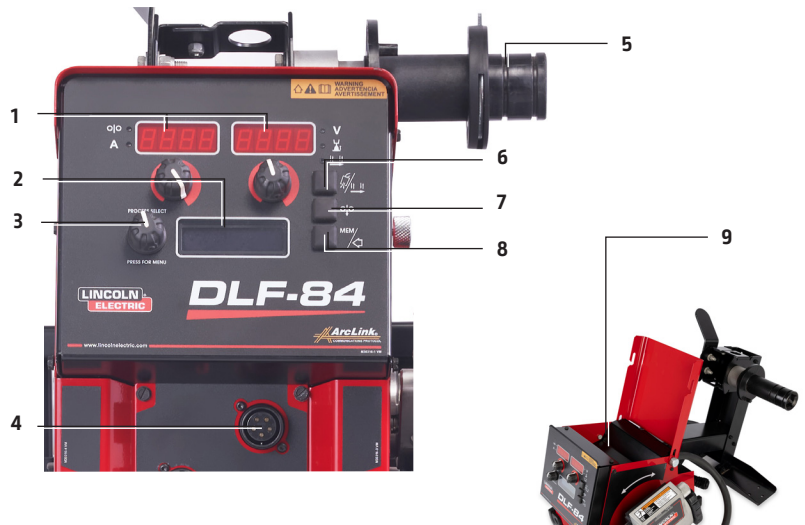
#### Product Number »

**K5287-2** DLF-84 Bench Model w/wire reel stand

## KEY FEATURES

- **High-Performance Wire Delivery** – Handles larger-diameter wires at higher speeds – ideal for high-deposition and demanding applications.
- **Pulsed MIG Support** – When paired with a pulse-capable Flextec® power source, delivers lower spatter and greater puddle control for superior arc performance. Now compatible with our push-pull guns for aluminum wire feeding.
- **Smart Synergic Control** – One-knob operation automatically balances voltage and wire feed speed for optimized arc performance.
- **Auto-Tuned Parameters** – Built-in run-in, pre-flow, post-flow, and burnback settings deliver smooth starts and clean finishes – no guesswork required.
- **Weld Memory** – Store and recall up to four weld programs for fast part, process, or material changes.
- **Process Limits & Lockouts** – Set parameters to maintain weld quality and prevent out-of-spec results.

## DLF-84 WIRE FEEDER



1. Bright digital displays for preset WFS/voltage and actual current/voltage
2. Set up screen for optimum process selection and system settings
3. Weld Mode / Menu selector encoder push button
4. Gun connector (5-pin)
5. Wire reel stand accommodates up to 60-lb spools.
6. Gas purge / trigger interlock - Electronic trigger lock allows for less fatigue during long welds
7. Cold feed for safe loading of wire
8. Memory selection - easily recall up to 4 different weld schedules
9. Storage

## BOOM-READY CONFIGURATIONS

Optional boom-mounted models with remote UIs improve operator reach, safety, and cable management.



Shown: K5704-1 DLF-84 Control Box, Remote UI



Shown: K5703-1 DLF-84 Single Boom Wire Drive

## PRODUCT NUMBERS

| Product Number | Description  |
|----------------|--|
| K5287-1        | <b>DLF-84 Base Model wire drive only.</b> Includes 8ft integrated ArcLink control cable  |
| K5287-2        | <b>DLF-84 Bench Model with no gun,</b> includes 8ft integrated ArcLink® control cable and:<br>K5288-1 <b>DLF-84 Wire Reel Stand</b> (60-lb capacity)<br>KP1696-1 0.035/0.045 reversible V-groove <b>Drive Roll Kit</b>   |
| K5287-3        | <b>DLF-84 Bench Model with Gun</b> - includes 8ft integrated ArcLink® control cable and:<br>K4532-2-10-45 <b>Magnum® PRO Curve™</b> HDE 350, .045, 15ft Gun Ready-Pak<br>5288-1 <b>DLF-84 Wire Reel Stand</b> (60-lb capacity)<br>KP1696-1 0.035/0.045 reversible V-groove <b>Drive Roll Kit</b> |
| K5288-1        | <b>DLF-84 Wire Reel Stand</b>  |
| K3341-1        | <b>Lift Bale</b>   |
| K5959-1        | <b>DLF-84 Cart Platform Brackets</b>   |
| K5711-1        | <b>DLF-84 Push-Pull Gun Connector (12 Pin)</b>   |

## READY-PAK® OPTIONS

### Machine Packages

Flextecs are compatible with Lincoln Electric's DLF digital wire feeders and combined into flexible packages designed for simple ordering, shipping, and setup. Ready-Pak options ship assembled and ready to weld in minutes.

**K5921-1** Flextec 350XP / DLF-84 Ready-Pak

**K5922-1** Flextec 350X PowerConnect® / DLF-84 Ready-Pak

**K5923-1** Flextec 500X / DLF-84 Ready-Pak



## OPTIONAL DRIVE ROLLS

### 4-ROLL WIRE DRIVE SYSTEMS

| Product Name   | Product Number                 | Description/Wire Size, in [mm] |
|--|--------------------------------|--------------------------------|
| <b>4-ROLL WIRE DRIVE SYSTEMS</b>   |                                |                                |
| <b>Solid Wire, Smooth V Groove</b><br><br>*Heavy duty tool-steel drive rolls designed for maximum life. Recommended for automated and high WFS applications. | KP1505-030S                    | 0.023-0.030 [0.6-0.8]          |
|  | KP1505-035S                    | 0.035 [0.9]                    |
|  | KP1505-035R*                   |                                |
|  | KP1505-040S                    | 0.040 [1.0]                    |
|  | KP1505-040R*                   |                                |
|  | KP1505-045S                    | 0.045 [1.2]                    |
|  | KP1505-045R*                   |                                |
|  | KP1505-052S                    | 0.052 [1.4]                    |
|  | KP1505-052R*                   |                                |
|  | KP1505-1/16S                   | 1/16 [1.6]                     |
| KP1505-1   | 0.035, 0.045 [0.9, 1.2]        |                                |
| <b>Cored Steel Wire, Knurled V Groove (Knurled V Groove with matching Smooth U Groove)</b>   | KP1505-035C                    | 0.030-0.035 [0.8-0.9]          |
|  | KP1505-045C                    | 0.040-0.045 [1.0-1.2]          |
|  | KP1505-052C <sup>(3)</sup>     | 0.052 [1.4]                    |
|  | KP1505-1/16C <sup>(3)</sup>    | 1/16 [1.6]                     |
|  | KP1505-7/64H <sup>(2)(3)</sup> | 7/64 [2.8] Hardfacing          |

| Product Name                                       | Product Number                 | Description/Wire Size, in [mm] |
|--|--------------------------------|--------------------------------|
| <b>4-ROLL WIRE DRIVE SYSTEMS</b>                   |                                |                                |
| <b>Cored or Solid Steel Wire, Knurled V Groove</b> | KP1505-068 <sup>(3)</sup>      | 0.068-0.072 [1.7-1.8]          |
|  | KP1505-5/64 <sup>(3)</sup>     | 5/64 [2.0]                     |
|  | KP1505-3/32 <sup>(3)</sup>     | 3/32 [2.4]                     |
|  | KP1505-7/64 <sup>(2)(3)</sup>  | 7/64 [2.8]                     |
|  | KP1505-120 <sup>(2)(3)</sup>   | 0.120 [3.2]                    |
| <b>Hardfacing Wires, Knurled, Smooth V Groove</b>  | KP1505-7/64C                   | 7/64 [2.8]                     |
|  | KP1505-7/64H <sup>(2)(3)</sup> | 7/64 [2.8] Hardfacing          |
| <b>Aluminum Wire, Smooth U Groove</b>              | KP1507-035A                    | 0.035 [0.9]                    |
|  | KP1507-040A                    | 0.040 [1.0]                    |
|  | KP1507-3/64A                   | 3/64 [1.2]                     |
|  | KP1507-1/16A <sup>(3)</sup>    | 1/16 [1.6]                     |
|  | KP1507-3/32A <sup>(2)</sup>    | 3/32 [2.4]                     |

## PRODUCT SPECIFICATIONS

| Product Name              | Product Number | Input Power | Rated Output: Current/Voltage/ Duty Cycle | Solid Wire Diameter Range in. (mm) | Cored Wire Diameter Range In. (mm) | Wire Feed Speed Range: ipm (m/min) | Dimensions H x W x D in. (mm)        | Weight lbs (kg) |
|---------------------------|----------------|-------------|---|------------------------------------|------------------------------------|------------------------------------|--------------------------------------|-----------------|
| DLF-84 Bench Model w Reel | K5287-2        | 40 VDC      | 600A @ 60%                                | 0.025 - 3/32 (0.6 - 2.38)          | 0.035 - 0.120 (0.9 - 3.0)          | 35 - 1200 (0.89 - 30.5)            | 18.3 x 17.8 x 26.4 (465 x 452 x 671) | 43 (19.5)       |
| DLF-84 Boom               | K5703-1        |             |   |                                    |                                    |                                    | 22.5 x 20 x 15.5 (572 x 508 x 394)   | 24 (11)         |

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

### CUSTOMER ASSISTANCE POLICY

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