

# QUICK LOAD™ Liners & AutoLength™ Pins

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MIG (GMAW) Welding  
Consumables

## Quick Specs

### Applications

Automotive  
Shipbuilding  
Heavy Equipment  
Fabrication  
Manufacturing

### Compatible With

TOUGH GUN™ Robotic MIG Guns (CA3 & TA3)  
TOUGH GUN™ Automatic MIG Guns (MA1)  
Bernard™ BTB Semi-Automatic MIG Guns  
Bernard™ TGX™ Semi-Automatic MIG Guns\*  
Bernard™ Clean Air™ Semi-Automatic MIG Guns  
*\*AutoLength Pins not available with TGX MIG Guns*

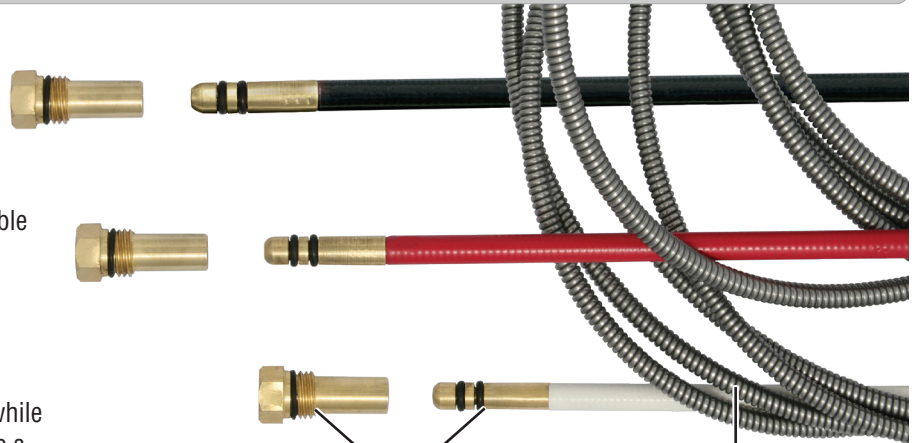
### Wire Sizes

0.023" to 3/32"  
(0.6 to 2.4 mm)

## QUICK LOAD™ Liners

require less than half the time and effort to replace compared to conventional liners. This innovative front-loading liner is a two-piece system with the retainer installed inside the power pin on first use, and is compatible with Tregaskiss™ TOUGH GUN™ Robotic and Automatic Air-Cooled MIG Guns, and Bernard™ BTB MIG Guns.

During the initial installation of the QUICK LOAD Liner, the retainer remains mated with the liner while it is installed through the rear of the MIG gun like a conventional liner. Subsequent liner replacements occur through the front of the gun without a need to replace the retainer.



Two-piece system with retainer installed inside the power pin on first use

Available for TOUGH GUN™ Robotic and Automatic MIG Guns in lengths of up to 15 feet and Bernard™ Semi-Automatic MIG Guns in lengths of up to 25 feet



RELOAD UP TO  
**50%  
FASTER**

Reload from the front in less than half the time



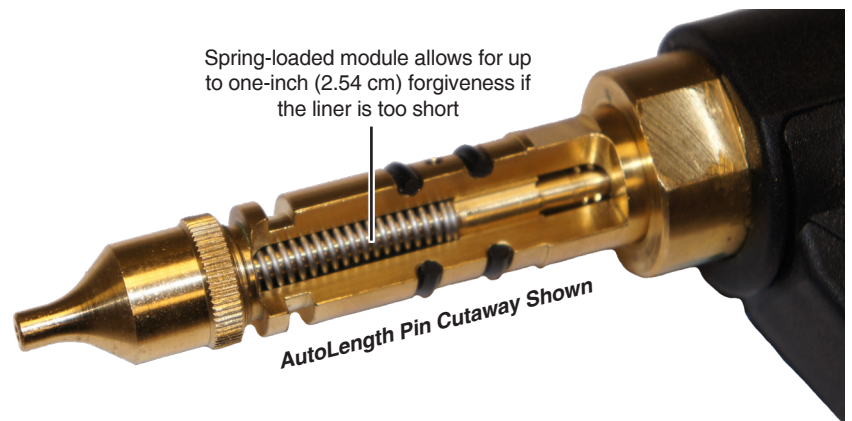
**REDUCE  
UNEXPECTED  
DOWNTIME &  
SCRAP COST**

Increase efficiency and reduce downtime and consumable cost

## QUICK LOAD Liner AutoLength™ System

Pair your QUICK LOAD Liner with an AutoLength Pin to reap the benefits of the revolutionary QUICK LOAD Liner AutoLength System. Minimize downtime, wire feeding and quality issues commonly associated with short liner length.

- Reduces issues caused by short liners
- Decreases burn-backs caused by misalignment between the liner and contact tip
- Accommodates liner movement during welding
- Improves wire feeding by enhancing wire alignment with the contact tip



Spring-loaded module allows for up to one-inch (2.54 cm) forgiveness if the liner is too short

AutoLength Pin Cutaway Shown



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# QUICK LOAD™ Liners & Retainers

Select your wire size and gun length in the table below to find which QUICK LOAD Liner part number is needed for your application.

Wire Size	Gun Length (ft.)	QUICK LOAD Liner	Replaces Conventional Liner	Description
0.023"	15	<b>415-23-15Q</b>	415-23-15	High Carbon Steel- Round Wound
0.030"	6	<b>415-30-6Q</b>	415-30-6	High Carbon Steel- Round Wound
	15	<b>415-30-15Q</b>	415-30-15	High Carbon Steel- Round Wound
0.035" - 0.045"	6	<b>415-35-6Q</b>	415-35-6	High Carbon Steel- Round Wound
	10	<b>415-35-10Q</b>	415-35-10	High Carbon Steel- Round Wound
	15	<b>415-35-15Q</b>	415-35-15	High Carbon Steel- Round Wound
	25	<b>415-35-25Q</b>	415-35-25	High Carbon Steel- Round Wound
0.045" - 1/16"	6	<b>415-116-6Q</b>	415-116-6	High Carbon Steel- Round Wound
	10	<b>415-116-10Q</b>	415-116-10	High Carbon Steel- Round Wound
	15	<b>415-116-15Q</b>	415-116-15	High Carbon Steel- Round Wound
	25	<b>415-116-25Q</b>	415-116-25	High Carbon Steel- Round Wound
1/16" - 5/64"	6	<b>415-564-6Q</b>	415-564-6	High Carbon Steel- Round Wound
	15	<b>415-564-15Q</b>	415-564-15	High Carbon Steel- Round Wound
	25	<b>415-564-25Q</b>	415-564-25	High Carbon Steel- Round Wound
0.078" - 3/32"	6	<b>415-332-6Q</b>	415-332-6	High Carbon Steel- Flat Wound
	15	<b>415-332-15Q</b>	415-332-15	High Carbon Steel- Flat Wound
	25	<b>415-332-25Q</b>	415-332-25	High Carbon Steel- Flat Wound
<b>Liner Retainers – Required for Initial Installation (Sold Separately)</b>				
0.078" - 3/32"	N/A	<b>415-24</b>	N/A	QUICK LOAD Liner Retainer*
0.030" - 5/64"	N/A	<b>415-26</b>	N/A	QUICK LOAD Liner Retainer*
0.030" - 5/64"	N/A	<b>415-37</b>	N/A	QUICK LOAD Liner Retainer**
<b>For Cored Wire</b>				
0.045" - 1/16"	N/A	<b>415-31</b>	N/A	QUICK LOAD Liner Retainer (required for 415-116-062Q)
0.035" - 0.045"	6	<b>415-35-062Q</b>	N/A	Galvanized - D Wound (requires 415-26 retainer)
0.045" - 1/16"	6	<b>415-116-062Q</b>	N/A	Galvanized - D Wound (requires 415-31 retainer)

\*Compatible with Tregaskiss TOUGH GUN Robotic and Automatic MIG Guns and Bernard BTB, TGX and Clean Air Semi-Automatic MIG Guns

\*\*Compatible with most Tweco® MIG Guns

## AutoLength™ Pins

### AutoLength Pins – For Robotic Applications

#### Euro

**425-820E** for 0.030" - 0.045" wire (Replaces Power Pin 425-20E)

**425-920E** for 0.052" - 3/32" wire (Replaces Power Pin 425-20E)

#### Fronius®

**214-817** for 0.030" - 0.045" wire (Replaces Power Pin 214-17)

**214-841** for 0.030" - 0.045" wire (Replaces Power Pin 214-41)

**214-917** for 0.052" - 3/32" wire (Replaces Power Pin 214-17)

**214-941** for 0.052" - 3/32" wire (Replaces Power Pin 214-41)

#### Lincoln®

**214-87** for 0.030" - 0.045" wire (Replaces Power Pin 214-7)

**214-840** for 0.030" - 0.045" wire (Replaces Power Pin 214-10)

**214-97** for 0.052" - 3/32" wire (Replaces Power Pin 214-7)

**214-940** for 0.052" - 3/32" wire (Replaces Power Pin 214-40)

#### L-Tec®

**214-84** for 0.030" - 0.045" wire (Replaces Power Pin 214-4)

**214-94** for 0.052" - 3/32" wire (Replaces Power Pin 214-4)

#### Miller®

**214-81** for 0.030" - 0.045" wire (Replaces Power Pin 214-1)

**214-91** for 0.052" - 3/32" wire (Replaces Power Pin 214-1)

#### OTC Daihen®

**214-839** for 0.030" - 0.045" wire (Replaces Power Pin 214-39)

**214-939** for 0.052" - 3/32" wire (Replaces Power Pin 214-39)

#### Panasonic®

**214-830** for 0.030" - 0.045" wire (Replaces Power Pin 214-30)

**214-930** for 0.052" - 3/32" wire (Replaces Power Pin 214-30)

#### Tweco® #4

**214-80** for 0.030" - 0.045" wire (Replaces Power Pin 214)

**214-90** for 0.052" - 3/32" wire (Replaces Power Pin 214)

#### Tweco #5

**214-812** for 0.030" - 0.045" wire (Replaces Power Pin 214-12)

**214-912** for 0.052" - 3/32" wire (Replaces Power Pin 214-12)

# AutoLength™ Pins (Continued)

## AutoLength Pins – For Semi-Automatic Applications

### Euro

**425-820** for 0.030" - 0.045" wire (Replaces Power Pin 425-20)

**425-920** for 0.052" - 3/32" wire (Replaces Power Pin 425-20)

### Fronius

**214-817** for 0.030" - 0.045" wire (Replaces Power Pin 214-17)

**214-841** for 0.030" - 0.045" wire (Replaces Power Pin 214-41)

**214-917** for 0.052" - 3/32" wire (Replaces Power Pin 214-17)

**214-941** for 0.052" - 3/32" wire (Replaces Power Pin 214-41)

### Lincoln

**214-87** for 0.030" - 0.045" wire (Replaces Power Pin 214-7) Short

**214-840** for 0.030" - 0.045" wire (Replaces Power Pin 214-10)

**214-97** for 0.052" - 3/32" wire (Replaces Power Pin 214-7)

**214-940** for 0.052" - 3/32" wire (Replaces Power Pin 214-40)

### L-Tec

**214-84** for 0.030" - 0.045" wire (Replaces Power Pin 214-4)

**214-94** for 0.052" - 3/32" wire (Replaces Power Pin 214-4)

### Miller

**214-81** for 0.030" - 0.045" wire (Replaces Power Pin 214-1)

**214-86** for 0.030" - 0.045" wire (replaces Power Pin 214-6-116)

**214-91** for 0.052" - 3/32" wire (Replaces Power Pin 214-1)

**214-96** for 0.052" - 1/16" wire (replaces Power Pin 214-6-116)

### Panasonic

**214-830** for 0.030" - 0.045" wire (Replaces Power Pin 214-30)

**214-930** for 0.052" - 3/32" wire (Replaces Power Pin 214-30)

### Tweco #4

**214-80** for 0.030" - 0.045" wire (Replaces Power Pin 214)

**214-90** for 0.052" - 3/32" wire (Replaces Power Pin 214)

### Tweco #5

**214-812** for 0.030" - 0.045" wire (Replaces Power Pin 214-12)

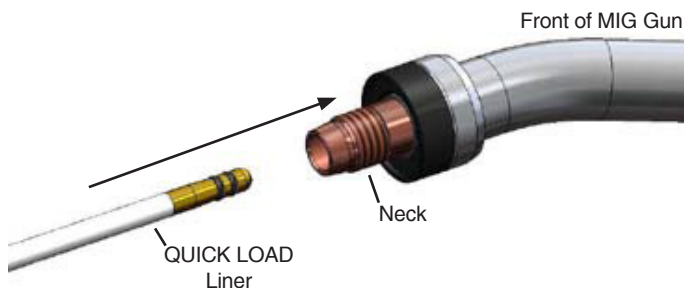
**214-912** for 0.052" - 3/32" wire (Replaces Power Pin 214-12)

## Installation and Replacement

### QUICK LOAD Liner with Standard Power Pin

#### How to Install QUICK LOAD Liners - Initial Installation Only

1. Remove the protective cap from the QUICK LOAD Liner.
2. Install the liner from the back of the MIG gun with the retainer attached using the same procedure as a conventional liner.
3. Push the liner back into the neck of the gun and hold in place.
  - For liners 6 feet in length and shorter: Trim the liner to 1/2" (13 mm) stick out using the BLUE liner gauge provided.
  - For liners longer than 6 feet in length: Trim the liner to 3/4" (20 mm) stick out using the BLACK liner gauge provided.
4. Feed wire through the liner.
5. Reinstall the consumables.



#### How to Replace QUICK LOAD Liners

1. Remove the consumables (nozzle, contact tip and retaining head).
2. Pull existing QUICK LOAD Liner from the neck using pliers.
3. Remove the protective cap from the QUICK LOAD Liner.
4. Insert the liner through the neck using the wire as a guide. Push the liner in using short strokes to prevent the wire from kinking.
5. Once the liner stops feeding, give it an extra push to ensure it is inserted completely.
6. Push the liner back into the neck of the gun and hold in place.
  - For liners 6 feet in length and shorter: Trim the liner to 1/2" (13 mm) stick out using the BLUE liner gauge provided.
  - For liners longer than 6 feet in length: Trim the liner to 3/4" (20 mm) stick out using the BLACK liner gauge provided.
7. Reinstall the consumables.

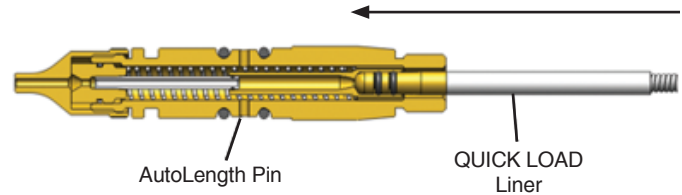
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# Installation and Replacement *(Continued)*

## QUICK LOAD Liner with AutoLength Pin

### How to Install the AutoLength Pin and QUICK LOAD Liner

1. Remove the gun from the wire feeding unit.
2. Remove the current power pin from the gun.
3. Replace power pin with an AutoLength Pin. Torque to 18-ft./lbs.
4. Feed the QUICK LOAD Liner through the **FRONT** of the gun until it engages with the retainer inside the AutoLength Pin.
5. Push the QUICK LOAD Liner into the gun until the liner will not go forward any further. Hold it in place (the liner will be pushed in by approximately 1 additional inch) and trim as follows:
  - **For liners 6 feet in length or shorter:** Trim the liner to a 1/2" (13 mm) stick out using the BLUE liner gauge provided.
  - **For liners longer than 6 feet in length:** Trim the liner to a 3/4" (20 mm) stick out using the BLACK liner gauge provided.**IMPORTANT:** After trimming, the liner will stick out of the neck by approximately 1" more than your trim length.
6. Reinstall consumables.



## Additional Resources

### Want to know more about QUICK LOAD Liners and the QUICK LOAD Liner AutoLength System?

Scan the QR codes below to watch our 3D product animations at [YouTube.com/TregaskissWelds](https://www.youtube.com/TregaskissWelds) or you can choose to view or download them directly from our website at [Tregaskiss.com/TechnicalSupport](https://www.tregaskiss.com/TechnicalSupport)



Scan to view the QUICK LOAD Liner AutoLength System animation.



Scan to view the QUICK LOAD Liner animation.



For additional support materials such as Spec Sheets, troubleshooting information, how-to guides and videos, animations, online configurators and much more, please visit [Tregaskiss.com](https://www.tregaskiss.com). Scan the QR Code with your smart phone for immediate access to [Tregaskiss.com/TechnicalSupport](https://www.tregaskiss.com/TechnicalSupport).

*Subject to Change – The information presented in this spec sheet is accurate to the best of our knowledge at the time of printing. Please visit [Tregaskiss.com](https://www.tregaskiss.com) for the most up-to-date information.*

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