

# SmartMark™ Pulling Heads

Pull with confidence and precision, the Encore Wire way!



# SmartMark™ Pulling Heads

At Encore Wire, our capabilities go beyond just making wire. We strive each and every day to exceed your expectations by maximizing the value of Encore's products and services.

Encore Wire now offers light-weight aluminum pulling heads featuring our SmartMark™ design for a safe and efficient pull, saving you time and money while offering you more options and reasons to keep choosing us for all your wire needs.

We value your business, and continue to offer more options and reasons to keep choosing us for all of your wire needs. **Guaranteed.**

## Single Pulling Heads Max. Loads

Size	Max. Load (lbs)
8 AWG	130
6 AWG	210
4 AWG	250
3 AWG	255
2 AWG	260
1 AWG	670
1/0 AWG	845
2/0 AWG	1,000
3/0 AWG	1,250
4/0 AWG	1,650
250 KCMIL	1,900
300 KCMIL	2,300
350 KCMIL	2,350
400 KCMIL	2,400
500 KCMIL	4,000
600 KCMIL	4,200
750 KCMIL	4,300
1000 KCMIL	5,000

## Double Pulling Heads Max. Loads

Size	Max. Load (lbs)
8 AWG	260
6 AWG	420
4 AWG	500
3 AWG	510
2 AWG	520
1 AWG	1,340
1/0 AWG	1,690
2/0 AWG	2,000
3/0 AWG	2,500
4/0 AWG	3,300
250 KCMIL	3,800
300 KCMIL	4,600
350 KCMIL	4,700
400 KCMIL	4,800
500 KCMIL	8,000
600 KCMIL	8,400
750 KCMIL	8,600
1000 KCMIL	10,000



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# SmartMark™ Crimping Instructions


The Encore pulling sleeves can be easily crimped onto Encore copper wire with an 11 ton hydraulic press.



Figure 1: Strip  


Strip the wire jacket back at least four (4) inches.



Figure 2: Sleeve seated on wire  


Seat the pulling head sleeve firmly onto the wire, making sure that there is no space between the end of the wire and the nose of the pulling head.

The pulling head is fully seated when the pulling cable is pressed against the top of the sleeve. The sleeve may require twisting and/or tapping with a hard plastic mallet to seat.



Figure 3: Crimped on SmartMark™ (3/0 AWG to 500 KCMIL)  


The press used to crimp the pulling heads should be centered directly over the SmartMark™ crimp lines in order to guarantee correct crimp placement. *NOTE: When there are two crimps per line, the crimps should be 180 degrees from each other on the same SmartMark™ line. For sizes 8 AWG through 400 KCMIL with only one crimp per line, the crimps should be 180 degrees from each other on the separate SmartMark™ lines.*

## Encore Wire SmartMark™ Pulling Heads Crimping Instructions

SmartMark™ pulling heads take the headache out of attaching pulling heads! Locate the raised lines around the sleeve of the pulling head to find the appropriate crimp locations then use the respective number of crimps listed below.

Wire Size	# of Crimps on Line 1	# of Crimps on Line 2	Margin of Error ±
8 AWG	1 crimp	1 crimp	1/8"
6 AWG	1 crimp	1 crimp	1/8"
4 AWG	1 crimp	1 crimp	1/8"
3 AWG	1 crimp	1 crimp	1/8"
2 AWG	1 crimp	1 crimp	1/8"
1 AWG	1 crimp	1 crimp	1/8"
1/0 AWG	1 crimp	1 crimp	1/8"
2/0 AWG	1 crimp	1 crimp	1/8"
3/0 AWG	1 crimp	1 crimp	1/8"
4/0 AWG	1 crimp	1 crimp	1/8"
250 KCMIL	1 crimp	1 crimp	1/4"
300 KCMIL	1 crimp	1 crimp	1/4"
350 KCMIL	1 crimp	1 crimp	1/4"
400 KCMIL	1 crimp	1 crimp	1/4"
500 KCMIL	2 crimps	2 crimps	1/4"
600 KCMIL	2 crimps	2 crimps	1/4"
750 KCMIL	2 crimps	2 crimps	1/4"
1000 KCMIL	2 crimps	2 crimps	1/4"

# SmartMark™ Spec Sheet

## Single Pulling Head Spec Sheet

Part Number	Conductor Size	Lug & Lanyard Combined
600001000013	8 AWG Copper	13" Single Pulling Head
600001000020		20" Single Pulling Head
600001000027		27" Single Pulling Head
600001000034		34" Single Pulling Head
600001000040		40" Single Pulling Head
600001200013	6 AWG Copper	13" Single Pulling Head
600001200020		20" Single Pulling Head
600001200027		27" Single Pulling Head
600001200034		34" Single Pulling Head
600001200040		40" Single Pulling Head
600001400013	4 AWG Copper	13" Single Pulling Head
600001400020		20" Single Pulling Head
600001400027		27" Single Pulling Head
600001400034		34" Single Pulling Head
600001400040		40" Single Pulling Head
600001500013	3 AWG Copper	13" Single Pulling Head
600001500020		20" Single Pulling Head
600001500027		27" Single Pulling Head
600001500034		34" Single Pulling Head
600001500040		40" Single Pulling Head
600001600013	2 AWG Copper	13" Single Pulling Head
600001600020		20" Single Pulling Head
600001600027		27" Single Pulling Head
600001600034		34" Single Pulling Head
600001600040		40" Single Pulling Head
600001700013	1 AWG Copper	13" Single Pulling Head
600001700020		20" Single Pulling Head
600001700027		27" Single Pulling Head
600001700034		34" Single Pulling Head
600001700040		40" Single Pulling Head
600001800013	1/0 AWG Copper	13" Single Pulling Head
600001800020		20" Single Pulling Head
600001800027		27" Single Pulling Head
600001800034		34" Single Pulling Head
600001800040		40" Single Pulling Head
600001900013	2/0 AWG Copper	13" Single Pulling Head
600001900020		20" Single Pulling Head
600001900027		27" Single Pulling Head
600001900034		34" Single Pulling Head
600001900040		40" Single Pulling Head
600002000013	3/0 AWG Copper	13" Single Pulling Head
600002000020		20" Single Pulling Head
600002000027		27" Single Pulling Head
600002000034		34" Single Pulling Head
600002000040		40" Single Pulling Head
600002100013	4/0 AWG Copper	13" Single Pulling Head
600002100020		20" Single Pulling Head
600002100027		27" Single Pulling Head
600002100034		34" Single Pulling Head
600002100040		40" Single Pulling Head
600002500013	250 KCMIL Copper	13" Single Pulling Head
600002500020		20" Single Pulling Head
600002500027		27" Single Pulling Head
600002500034		34" Single Pulling Head
600002500040		40" Single Pulling Head
600003000013	300 KCMIL Copper	13" Single Pulling Head
600003000020		20" Single Pulling Head
600003000027		27" Single Pulling Head
600003000034		34" Single Pulling Head
600003000040		40" Single Pulling Head
600003500013	350 KCMIL Copper	13" Single Pulling Head
600003500020		20" Single Pulling Head
600003500027		27" Single Pulling Head
600003500034		34" Single Pulling Head
600003500040		40" Single Pulling Head
600004000013	400 KCMIL Copper	13" Single Pulling Head
600004000020		20" Single Pulling Head
600004000027		27" Single Pulling Head
600004000034		34" Single Pulling Head
600004000040		40" Single Pulling Head
600005000013	500 KCMIL Copper	13" Single Pulling Head
600005000020		20" Single Pulling Head
600005000027		27" Single Pulling Head
600005000034		34" Single Pulling Head
600005000040		40" Single Pulling Head
600006000013	600 KCMIL Copper	13" Single Pulling Head
600006000020		20" Single Pulling Head
600006000027		27" Single Pulling Head
600006000034		34" Single Pulling Head
600006000040		40" Single Pulling Head
600007500013	750 KCMIL Copper	13" Single Pulling Head
600007500020		20" Single Pulling Head
600007500027		27" Single Pulling Head
600007500034		34" Single Pulling Head
600007500040		40" Single Pulling Head
600009600013	1000 KCMIL Copper	13" Single Pulling Head
600009600020		20" Single Pulling Head
600009600027		27" Single Pulling Head
600009600034		34" Single Pulling Head
600009600040		40" Single Pulling Head

## Double Pulling Head Spec Sheet

Part Number	Conductor Size	Lug & Lanyard Combined
601001000042	8 AWG Copper	13" Pulling Head
601001000043		20" Pulling Head
601001200042	6 AWG Copper	27" Pulling Head
601001200043		34" Pulling Head
601001400042		13" Pulling Head
601001400043	4 AWG Copper	20" Pulling Head
601001500042		27" Pulling Head
601001500043		34" Pulling Head
601001600042	3 AWG Copper	13" Pulling Head
601001600043		20" Pulling Head
601001700042	2 AWG Copper	27" Pulling Head
601001700043		34" Pulling Head
601001800042		13" Pulling Head
601001800043	1/0 AWG Copper	20" Pulling Head
601001900042		27" Pulling Head
601001900043		34" Pulling Head
601002000042	2/0 AWG Copper	13" Pulling Head
601002000043		20" Pulling Head
601002100042	3/0 AWG Copper	27" Pulling Head
601002100043		34" Pulling Head
601002200042		13" Pulling Head
601002200043	4/0 AWG Copper	20" Pulling Head
601002500042		27" Pulling Head
601002500043		34" Pulling Head
601003000042	250 KCMIL Copper	13" Pulling Head
601003000043		20" Pulling Head
601003500042		27" Pulling Head
601003500043	300 KCMIL Copper	34" Pulling Head
601004000042		13" Pulling Head
601004000043		20" Pulling Head
601005000042	350 KCMIL Copper	27" Pulling Head
601005000043		34" Pulling Head
601006000042		13" Pulling Head
601006000043	400 KCMIL Copper	20" Pulling Head
601007500042		27" Pulling Head
601007500043		34" Pulling Head
601008000042	500 KCMIL Copper	13" Pulling Head
601009600042		20" Pulling Head
601009600043		27" Pulling Head
601009600044	600 KCMIL Copper	34" Pulling Head
601007500042		13" Pulling Head
601007500043	750 KCMIL Copper	20" Pulling Head
601007500044		27" Pulling Head
601009600042		34" Pulling Head
601009600043	1000 KCMIL Copper	13" Pulling Head
601009600044		20" Pulling Head
601009600045	27" Pulling Head	
601009600046	34" Pulling Head	

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# SmartMark™ FAQs

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**Q: Are SmartMark™ Pulling Heads disposable?**

*A: Yes. SmartMark™ Pulling Heads are manufactured for one time use only.*

**Q: Will Encore install the SmartMark™ Pulling Heads at the factory?**

*A: Yes. Encore will install the SmartMark™ Pulling Heads with your next wire order.*

**Q: Will Encore sell their SmartMark™ Pulling Heads “uninstalled” with or without a wire purchase?**

*A: Yes. Uninstalled SmartMark™ Pulling Heads are available through our stocking electrical distributors only.*

**Q: Does Encore want the SmartMark™ Pulling Heads returned after use?**

*A: No. SmartMark™ Pulling Heads are manufactured for one time use only.*

**Q: Does Encore recycle the SmartMark™ Pulling Heads?**

*A: At this time, Encore does not offer a scrap/recycling program for our aluminum pulling heads.*

**Q: Does Encore provide a Guarantee on their installed SmartMark™ Pulling Heads?**

*A: Like with all of our products and services, Encore stands behind our industry leading solutions providing the extra care to make sure you have what you want, when you want it.*

**Q: What type of crimping tool should be used to install Encore’s SmartMark™ Pulling Heads?**

*A: We recommend you only use an 11 ton hydraulic press.*



For more information on pricing and availability, please contact your local Encore Wire sales representative or visit us online at [www.encorewire.com](http://www.encorewire.com) to find a representative near you.