



# PANEL REPAIR

Modern Repair Systems

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# Training Information

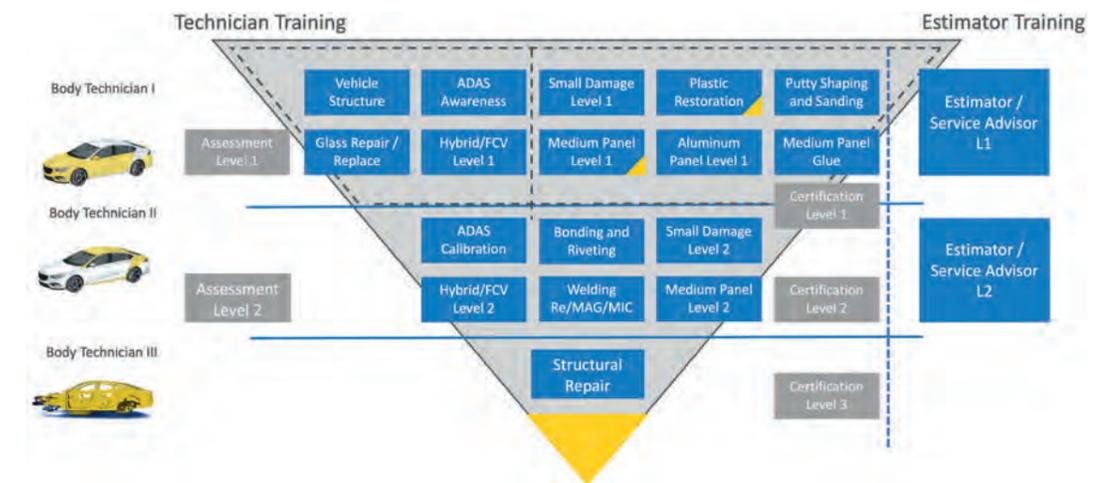
## Effective Training

BETAG offers a comprehensive body repair training and development program suitable for estimators and technicians of all experience levels.

## Training Objectives

Developing the knowledge & skills of estimators and technicians with effective training delivers fast, measurable operational and financial performance improvements.

## Estimation & Technician Training Program



## Business Benefits Include:

- ▲ Increasing productivity of technicians.
- ▲ Improving repair/replace ratio - to increase gross profit & bottom line performance.
- ▲ Improving overall quality of repairs and reducing re-works.
- ▲ Increasing 'Touch Time' and reducing 'Key to Key' times.
- ▲ Utilizing ROI from improving the non-structural repair process to invest in training and equipment for more capital-intensive structural repairs.

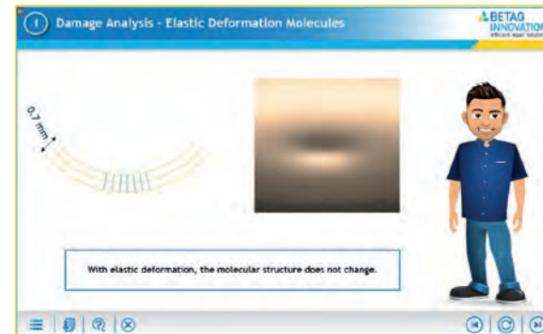
## eLearning

BETAG has developed a range of eModules and live streamed eClasses to support its in person, instructor led training courses.

Used in combination, these three learning formats enable OEMs and repairers to cost effectively assess, develop and maintain estimators' and technicians' knowledge & skills without compromise to learning objectives.

This is achieved by:

- Enhancing knowledge retention and embedding behaviour change, by creating an easily accessible resource library that estimators and technicians can continue to access after completion of training.
- Minimizing loss of workshop productivity by enabling estimators and technicians to complete some learning elements remotely before attending in person training.
- Reducing associated travel and subsistence costs.



For more information about our training program and to find a course near you, please visit [betaginnovation.com / betagnorthamerica.com](http://betaginnovation.com/betagnorthamerica.com).

“BETAG’s training has been one of the most impactful things I’ve seen at the production level”

**Ed Dietz**  
Lefler Collision & Glass, IN

“BETAG’s hands on training has broadened our technician’s perspective of how to repair metal. And the aluminum training was a game changer.”

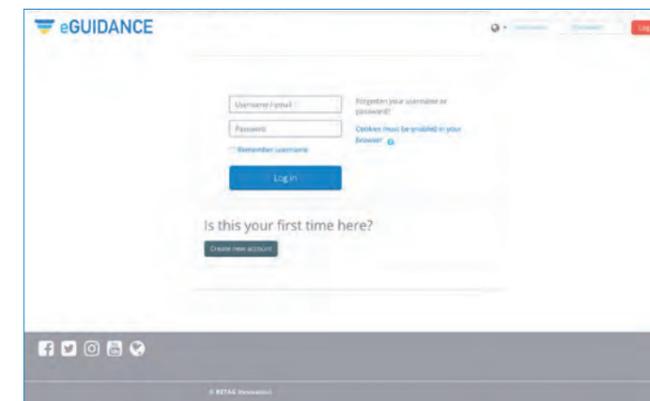
**Dan Koenigsberg**  
Anderson Body Shop, MD

## eGuidance

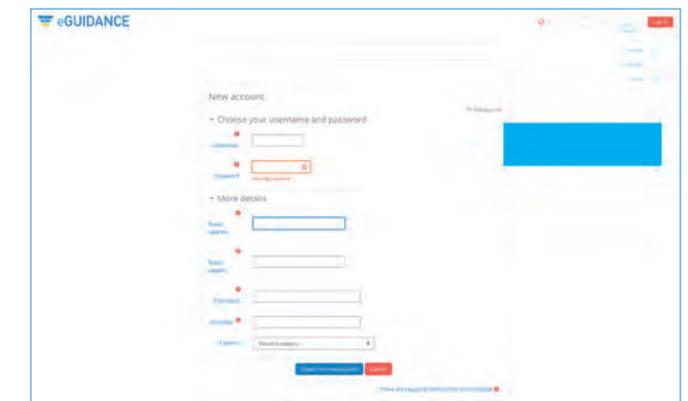
To access our training programs simple go to our eGuidance platform [www.betaglc.com](http://www.betaglc.com).

And in 4 simple steps you are in the middle of our learning environment.

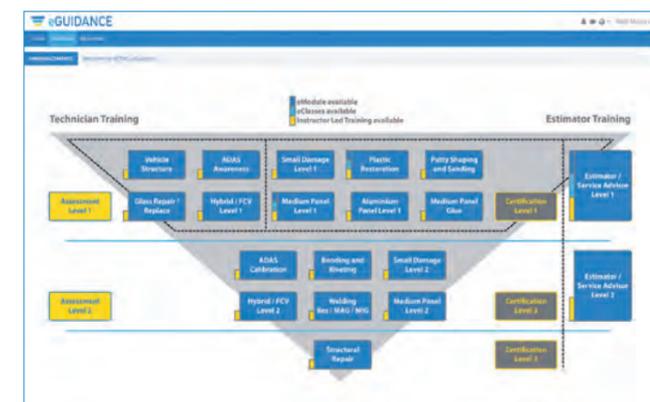
### Step 1



### Step 2



### Step 3



Here you can choose the classes that you are interested in.

### Step 4



The classes, eclasses and elearning is split into different sections.

# Flatliner

## Flatliner Full Set (5000)



\* Electric box only supplied with 120V version in North America

## Flatliner Business (5004)



## Flatliner - Step by Step



# Slimliner

## Slimliner Version A (5080)




- Slim Trolley
- Digispot
- Sliding Hammer
- Speed Puller
- 3 Hammers
- Dentliner Bridge
- 3 Pulling Bars
- 1 Bag of Bits
- 8m Cable

## Slimliner Version B (5085)




- Slim Trolley
- Digispot
- Sliding Hammer
- Dentliner Bridge
- 3 Pulling Bars
- 1 Bag of Bits
- 8m Cable
- Bit Welding Adaptor

# Welders

## Digispot (5101)



	<p><b>Functions</b></p> <ul style="list-style-type: none"> <li>○ Automatic and Manual Modes</li> <li>○ Ground Welding</li> <li>○ Carbon Shrinking</li> </ul>
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## Digispot Complete (5100)



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## Digispot with Trolley (5105)



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## S-Spot Set (5950)




## S-Bridge Set (5980)

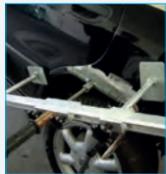



# Flatliner Repair Examples



# Components & Parts

## Flatliner Bridges



## Speed Puller (5640)

## Puller Application



Different Base Shapes

Wide Feet Spacing

With Hammer

## Hand Tool Application



Hand Pull



Shrinking



Bit Welding



Sliding Hammer

## Precise Adjustable Height



Internal Spring

Fast Coupling

## Welding Bits - Straight (5700)



## Welding Bits - Twisted (5710)



## Hammer Set (5800)



Sml V Hammer (5840) Lge V Hammer (5810)

Med V Hammer (5830) Lge H Hammer (5820)

Med H Hammer (5850)

## Pulling Bars (5905)



3 Different Lengths - with and without Hooks

## Sliding Hammer (5110)



# Accessories

**Bit Dispenser** (5750)



- Easily Loadable
- 30 Bit Capacity
- Used with the Innopuller or Sliding Hammer

**Flatline Maker** (5140)



**Bodyline Marker** (5141)



**Flatliner Claw** (5898)



**Bit Sharpener** (5143)



# Aluminum Repair

**Alu Flatliner** (6100)



**FL80**



**FL120**



\*Heat Gun Not Included in North America



# Aluminum Repair

**Alu Slimliner A** (6126)




- Slim Trolley
- Alumet
- Dentliner
- 3 Pulling Bars
- Alu Pulling Elements Set
- 3 Hammers
- Speedline Set

**Alumet** (6020)



**Alumet with Trolley** (6128)



**Alu T-Hotbox** (3710)



- Alu T-Hotbox
- Alu Heat Pen T
- Cable

**Aluminum Repair**



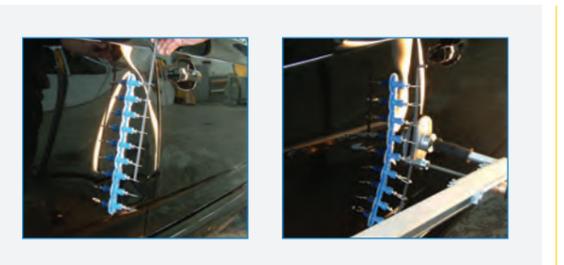
**Stud Welding (Alumet)**



**Pre-Push**



**Glue System**



# Spare Parts

 <p><b>Welding Tip Sliding Hammer</b> (5111)</p>	 <p><b>Shrinking Tip Sliding Hammer</b> (5112)</p>	 <p><b>Carbon Stick</b> (5113)</p>	 <p><b>Coupling for Carbon Stick</b> (5115)</p>	 <p><b>Bit Welding Adaptor Sliding Hammer</b> (5117)</p>	 <p><b>Alu Pulling Element Set</b> (6007)</p>	 <p><b>Alu Pulling Element Round</b> (6008)</p>	 <p><b>Two Speed Grinder</b> (10431)</p>	 <p><b>Two Speed Grinder w/Roloc</b> (10437)</p>	 <p><b>Replacement Sander Pad - Velcro</b> (10435)</p>
 <p><b>Ground System</b> (5121)</p>	 <p><b>Welding Tip Innopuller</b> (5601)</p>	 <p><b>Shrinking Tip Innopuller</b> (5602)</p>	 <p><b>Tip for Bits</b> (5603)</p>	 <p><b>Thread Cover</b> (5604)</p>	 <p><b>Replacement Sander Pads - Roloc</b> (10434)</p>	 <p><b>Power Knob Full Set</b> (4000)</p>	 <p><b>Power Knob M6</b> (7525)</p>	 <p><b>Straight Bit M6</b> (4434)</p>	 <p><b>Power Knob Set Basic - without Bits</b> (7526)</p>
 <p><b>Brass Thread Cover</b> (5610)</p>	 <p><b>Innopuller Spring</b> (5615)</p>	 <p><b>Innopuller Sliding Hammer</b> (5609)</p>	 <p><b>T-Handle with Long Cable</b> (5617)</p>	 <p><b>Ground Cable Extension</b> (5618)</p>	 <p><b>Power Knob Set Bit - with Bits</b> (7527)</p>	 <p><b>Pull Knob Small Round</b> (7511)</p>	 <p><b>Pull Knob Big Round</b> (7512)</p>	 <p><b>Pull Knob GT-15</b> (7515)</p>	 <p><b>Pull Knob GT-25</b> (7516)</p>
 <p><b>Magnetic Flatline</b> (5150)</p>	 <p><b>Digispot T-Connection</b> (5107)</p>	 <p><b>S-Spot Adaptor</b> (5108)</p>	 <p><b>AISI Studs</b> (6010)</p>	 <p><b>AlMg Studs</b> (6011)</p>	 <p><b>Pull Knob HT-15</b> (7517)</p>	 <p><b>Pull Knob HT-20</b> (7518)</p>	 <p><b>Pull Knob HT-30</b> (7519)</p>	 <p><b>Pull Knob Small Flat</b> (7521)</p>	 <p><b>Pull Knob Big Flat</b> (7522)</p>



**Pullmelt 6 Beige Glue**

(7535)



**Pullmelt 8 Green Glue**

(7538)



**Pullmelt 7 Blue Glue**

(7530)



**Hammer**

(7570)



**Knock Down**

(7540)



**Speedline Pulling Element M (80mm)**

(4432)



**Speedline Pulling Element L (140mm)**

(4433)



**Window Wedge**

(8101)



**Glue Gun 220V/EU**

(7550)



**Glue Gun 220V/AU**

(7551)



**Glue Gun 120V/US**

(7552)



**Glue Gun 12V**

(7553)



**Glue Gun 110V/JP**

(7555)



**PE-Bottle - 250ml**

(9902)



**Speedline 8**

(4420)



**Speedline 8R**

(4421)



**Speedline 16**

(4422)



**Speedline 16R**

(4423)



**Speedline 24**

(4424)



**Speedline 24R**

(4425)



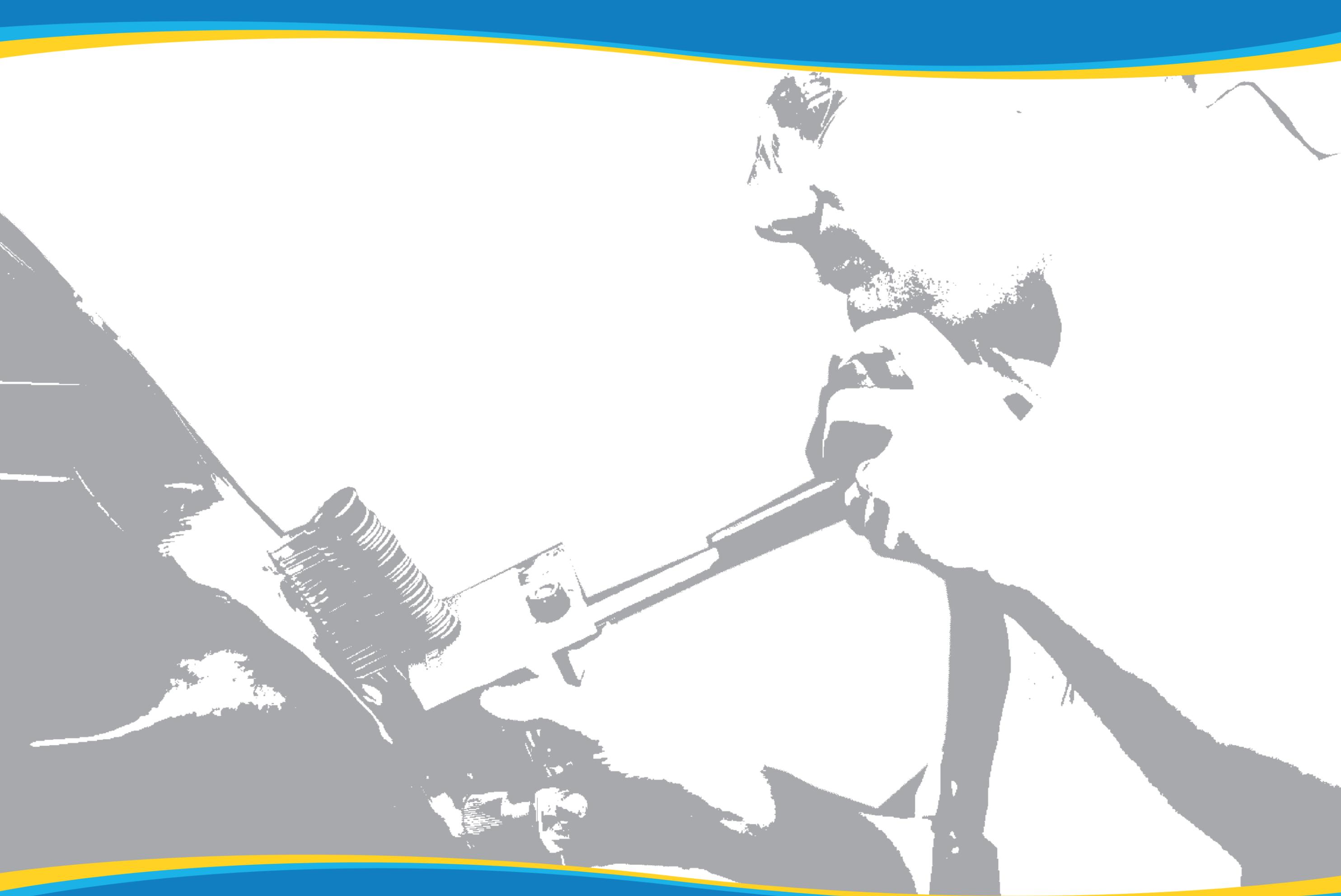
**Speedline Pulling Element S (18mm)**

(4430)



**Speedline Pulling Element SM (40mm)**

(4431)





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