



# Railroad Maintenance of Way Products



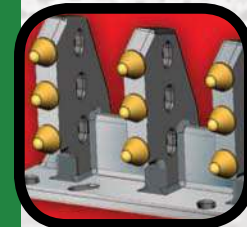
TAMPING TOOLS



BALLAST REGULATORS



UNDERCUTTERS



MISCELLANEOUS

Ballast Tools Incorporated  
34 Goodwin Drive  
Crystal City, MO 63019 USA  
636-937-3326  
FAX 636-937-3386

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## **TAMPING TOOLS 5**

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|                                       |   |
|---------------------------------------|---|
| Layout sheet , Fits Harsco (Jackson ) |   |
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|                                             |    |
|---------------------------------------------|----|
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| BTI-500001                                  | 19 |
| BTI-500010                                  | 20 |

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|                                              |    |
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| BTI-200635                                         | 82        | Layout sheet, Fits Nordco (Pyke)            |            |
| BTI-200540                                         | 83        | M-2-14A Ballast Regulator                   | 108        |
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| BTI-200900                                         | 85        | M-2, & GH Ballast Regulator                 | 109        |
| <b>Knox Kershaw</b>                                | <b>86</b> | Layout sheet, Fits Nordco (Pyke)            |            |
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| Heavy Duty Super GO-4S Undercutter        | 131 |
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| PD-200     | 147 |

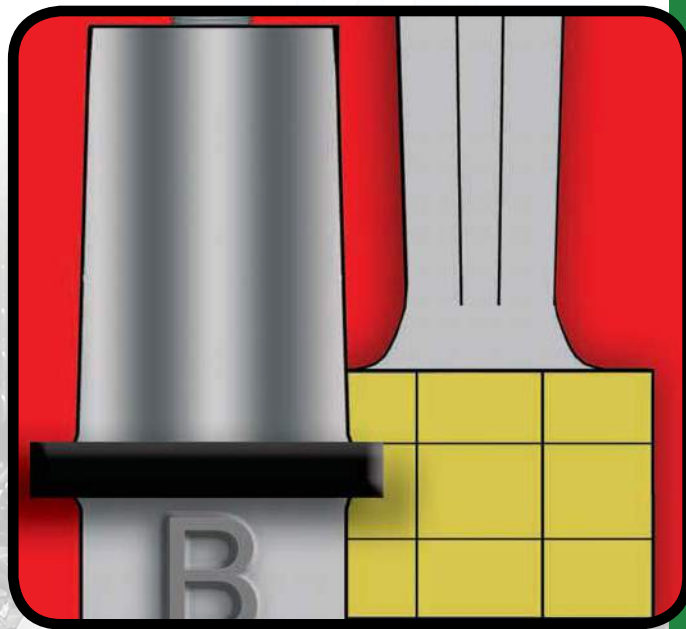
## **Spikers 148**

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| BTI-171041 | 149 |
| BTI-200825 | 150 |

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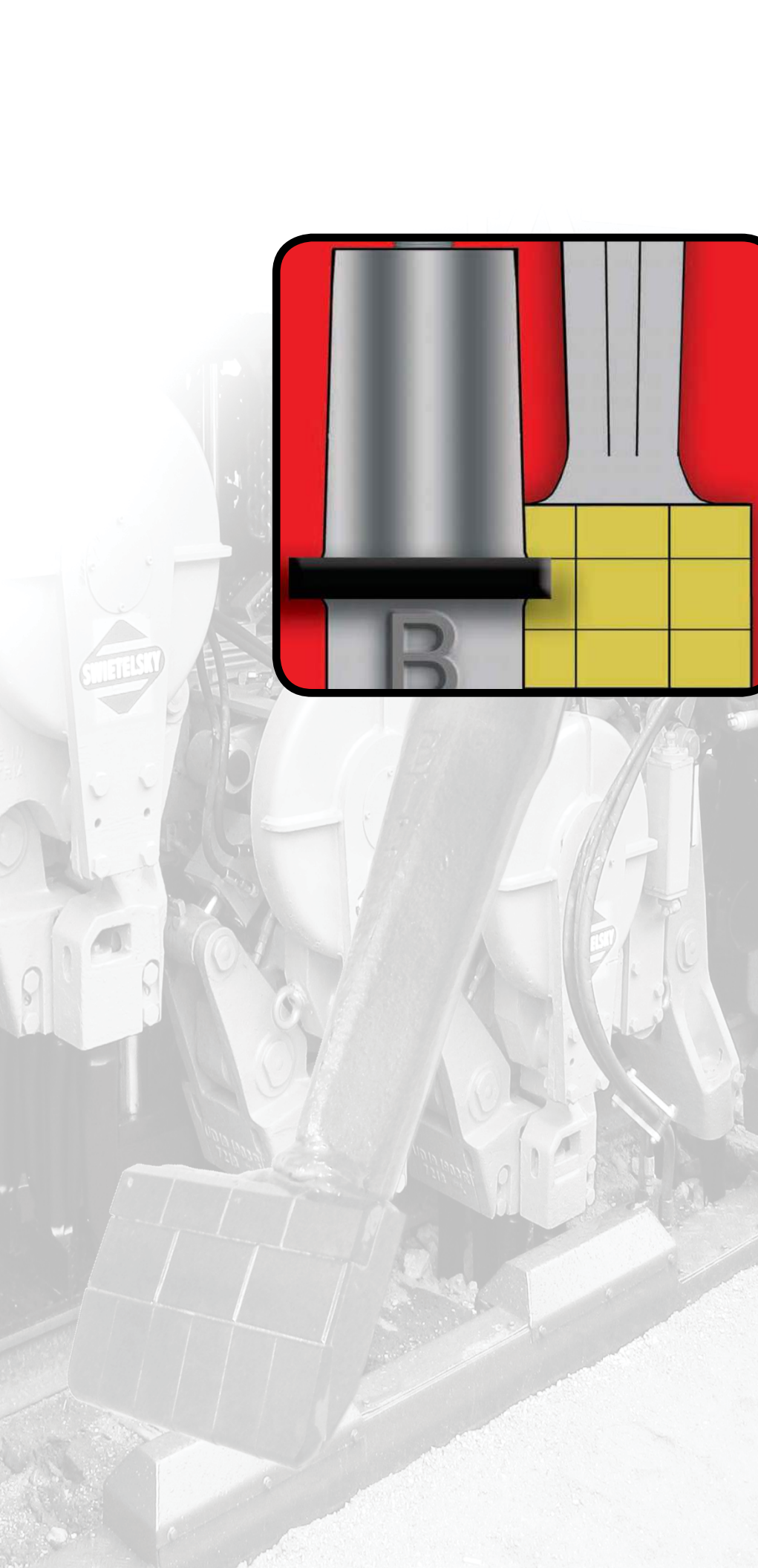
|           |     |
|-----------|-----|
| BTI-895-B | 152 |
| BTI-895-P | 153 |
| BTI-895-R | 154 |

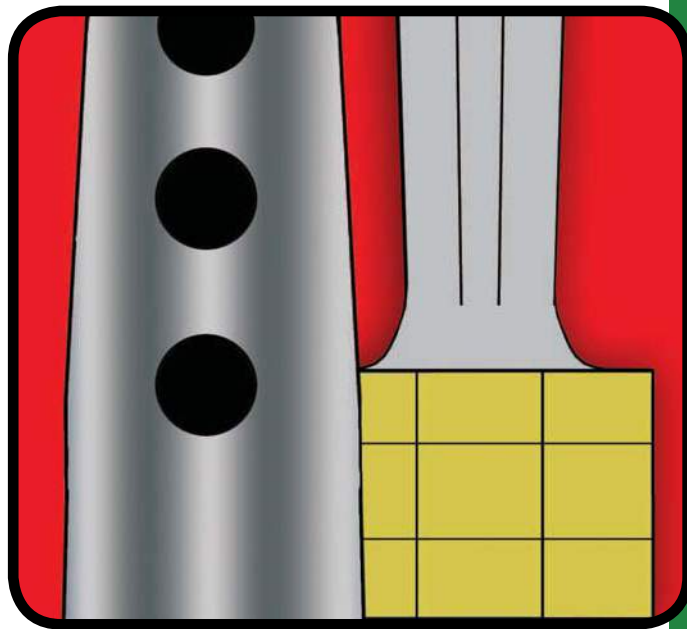
|                       |           |
|-----------------------|-----------|
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## **Tamping Tools**

Harsco Jackson  
Harsco Tamper  
Plasser





## **Harsco Jackson**

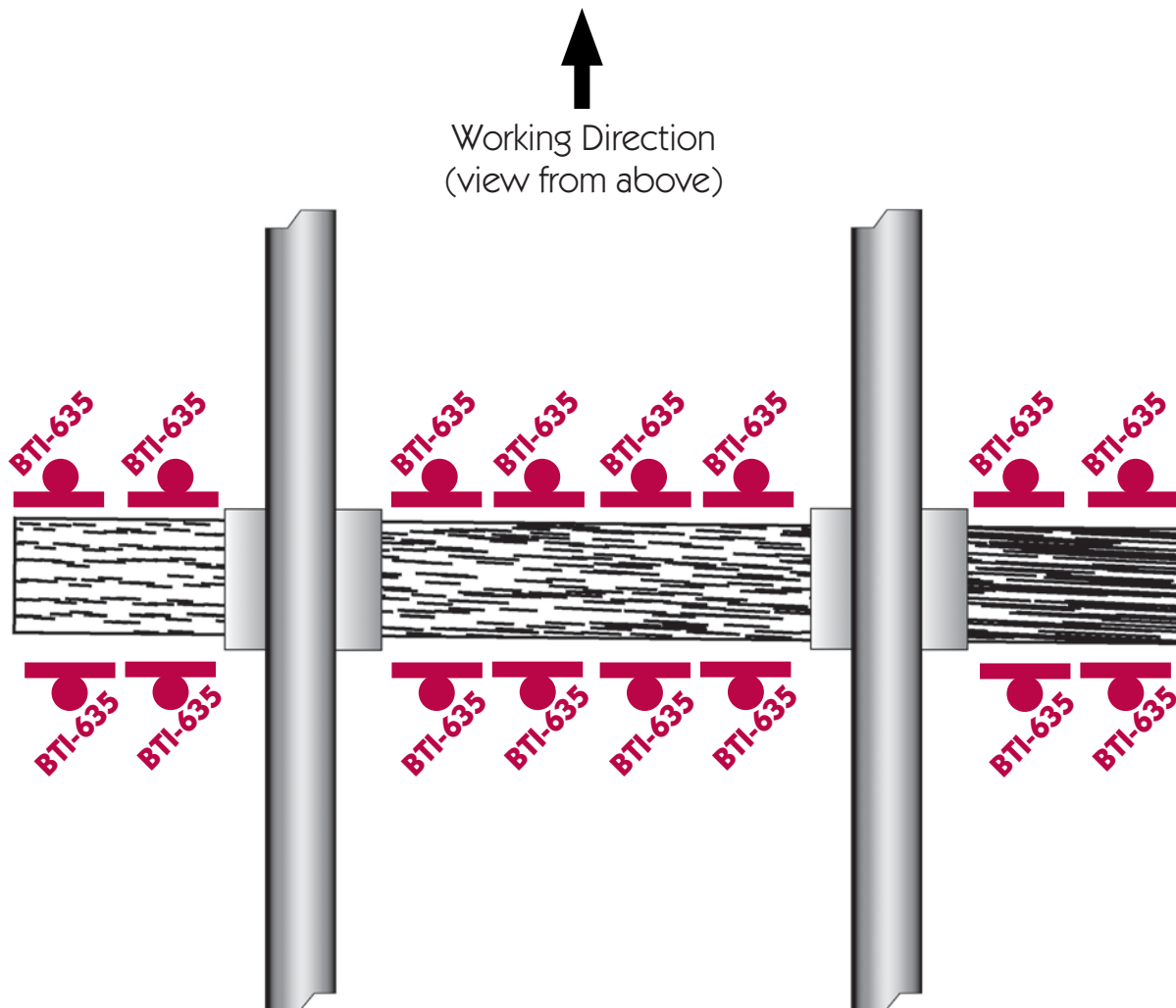
Tampers





## BTI Layout Fits Harsco (Jackson) Models - 6400 - 6700

Complete Harsco (Pandrol-Jackson)  
16 tool set: Standard Layout  
16 - BTI-635

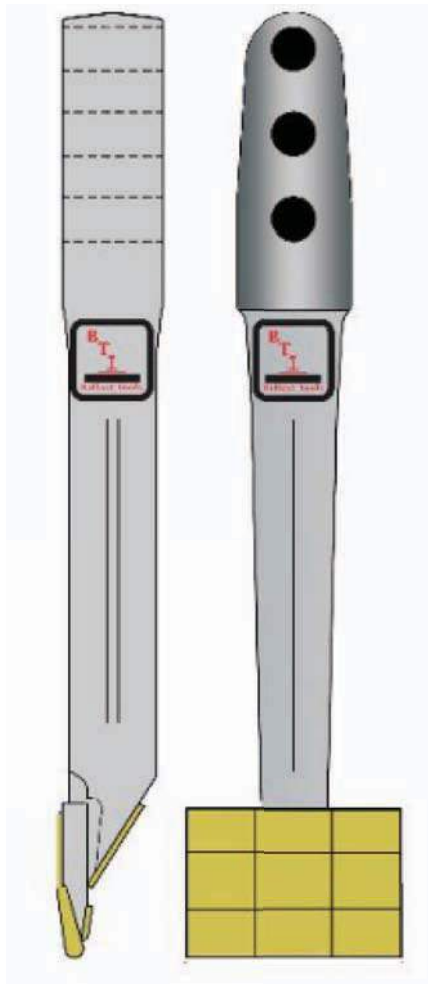


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# BTI-635

BTI Mega Carbide Tamping Tool (High Performance) \* Fits Harsco Jackson Tamper



## SPECIFICATIONS:

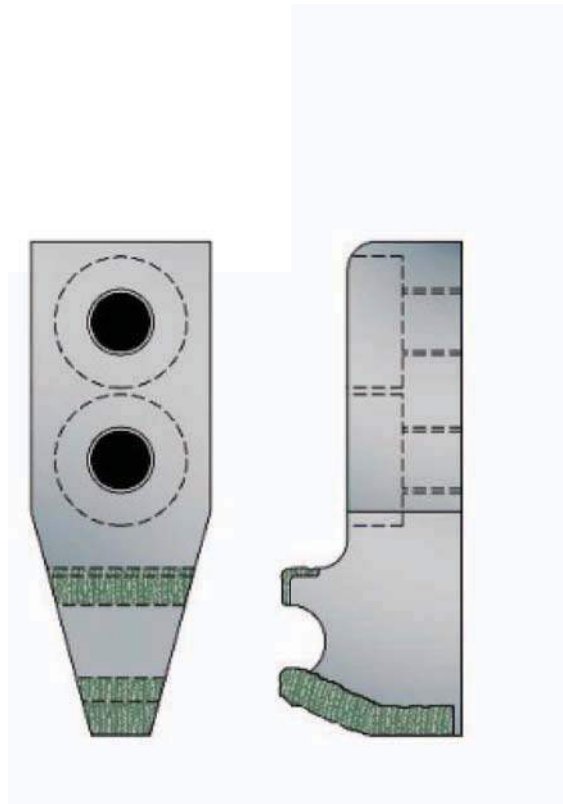
Length: 19.70 in. 500 mm.  
Width: 4.50 in. 114 mm.  
Weight: 18.0 lb. 8 kg.  
OEM #: 330921, 3401801, 4126901, CT500K,

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# BTI-196101

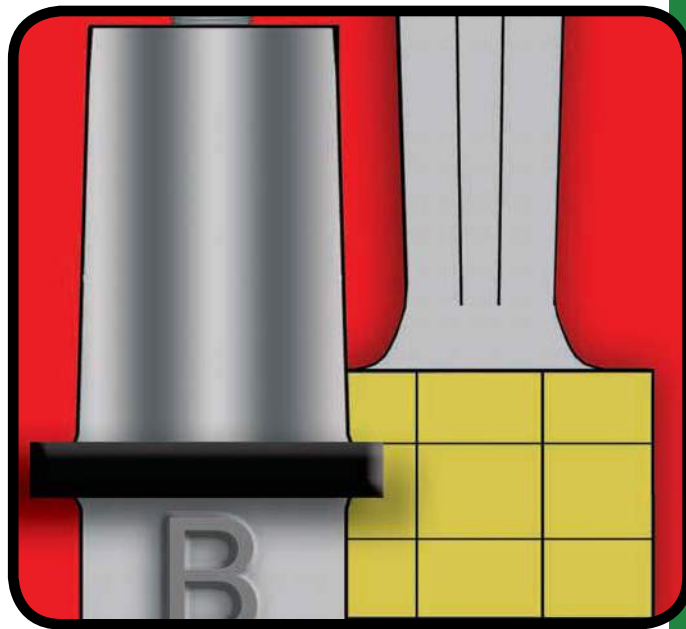
BTI TigerCarb Long Life Tamper Rail  
Clamp \* Fits Harsco Jackson Tamper



## SPECIFICATIONS:

|         |                   |         |
|---------|-------------------|---------|
| Length: | 8.50 in.          | 216 mm. |
| Width:  | 3.00 in.          | 76 mm.  |
| Weight: | 10.0 lb.          | 5 kg.   |
| OEM #:  | 2320331, 2000784, |         |

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## **Harsco Tamper**

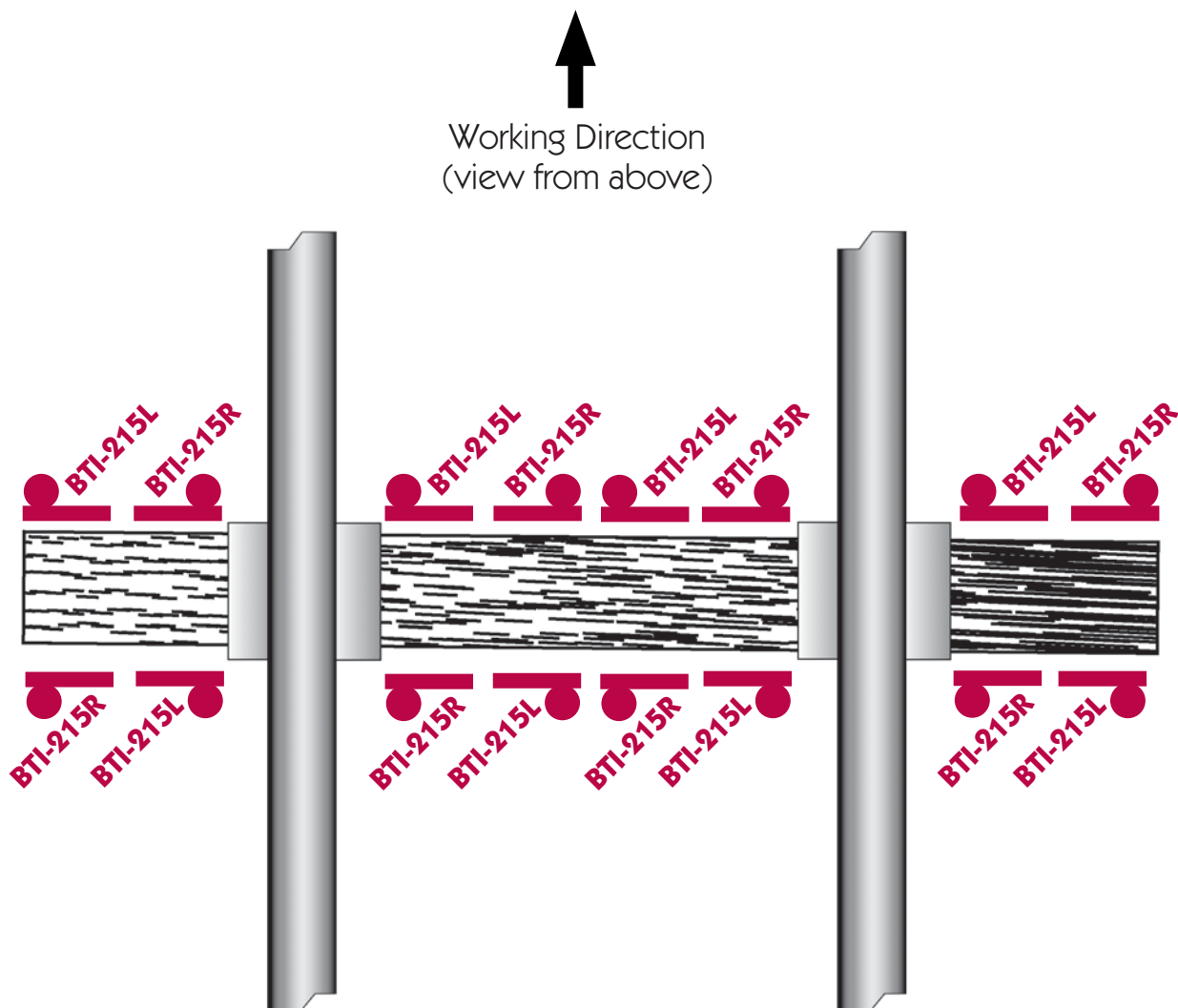
Tampers





## BTI Layout Fits Harsco (Fairmont-Tamper) All Models - Mark III - Mark IV

Complete Harsco (Fairmont-Tamper)  
16 tool set: Standard Layout  
8 - BTI-215R, 8 - BTI-215L



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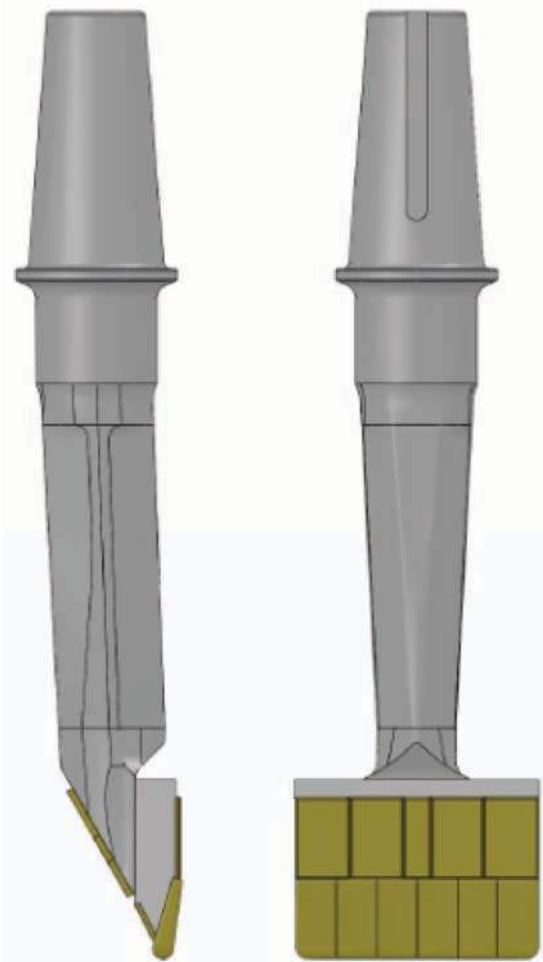
Date: 3/24/2006

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## BTI-215C

BTI Mega Carbide Tamping Tool (Center) \* Fits Harsco Tamper Mark III - Mark IV



### SPECIFICATIONS:

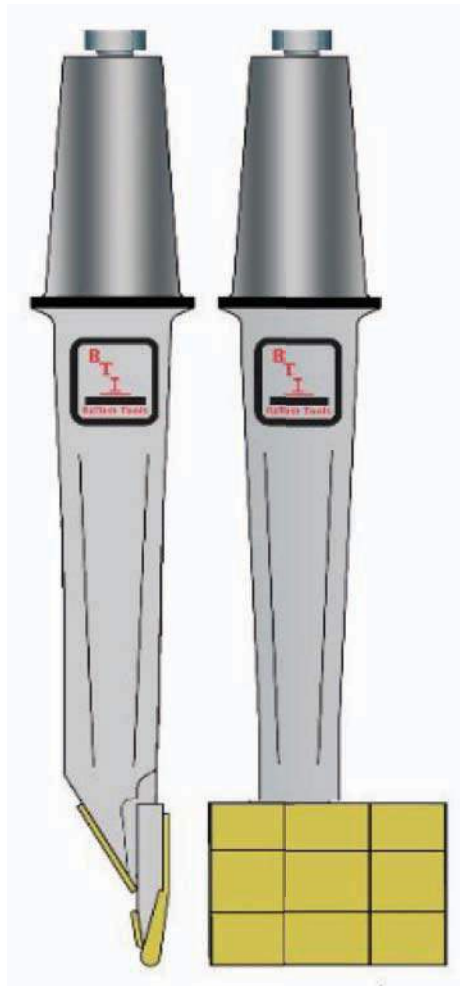
Length: 17.50 in. 445 mm.  
Width: 4.50 in. 114 mm.  
Weight: 18.0 lb. 8 kg.  
OEM #: AM2E302202KUSA, 2408332001, A8281X,

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## BTI-215L

BTI Mega Carbide Tamping Tool (Left)  
\* Fits Harsco Tamper Mark III - Mark IV



### SPECIFICATIONS:

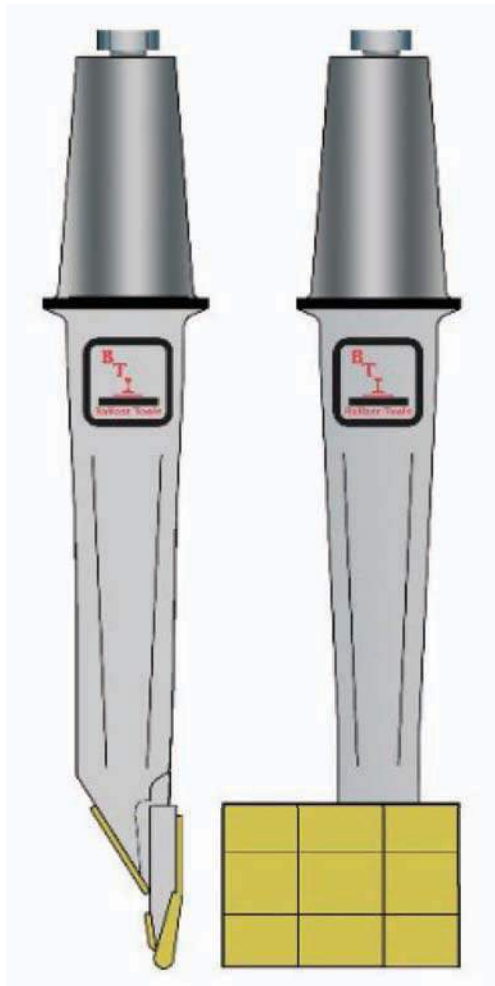
Length: 17.50 in. 445 mm.  
Width: 4.50 in. 114 mm.  
Weight: 18.0 lb. 8 kg.  
OEM #: A8281XAB, 02408332001, D2752Y01,  
0-2300493-0-01, A9602XAH,

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## BTI-215R

BTI Mega Carbide Tamping Tool (Right)  
\* Fits Harsco Tamper Mark III - Mark IV



### SPECIFICATIONS:

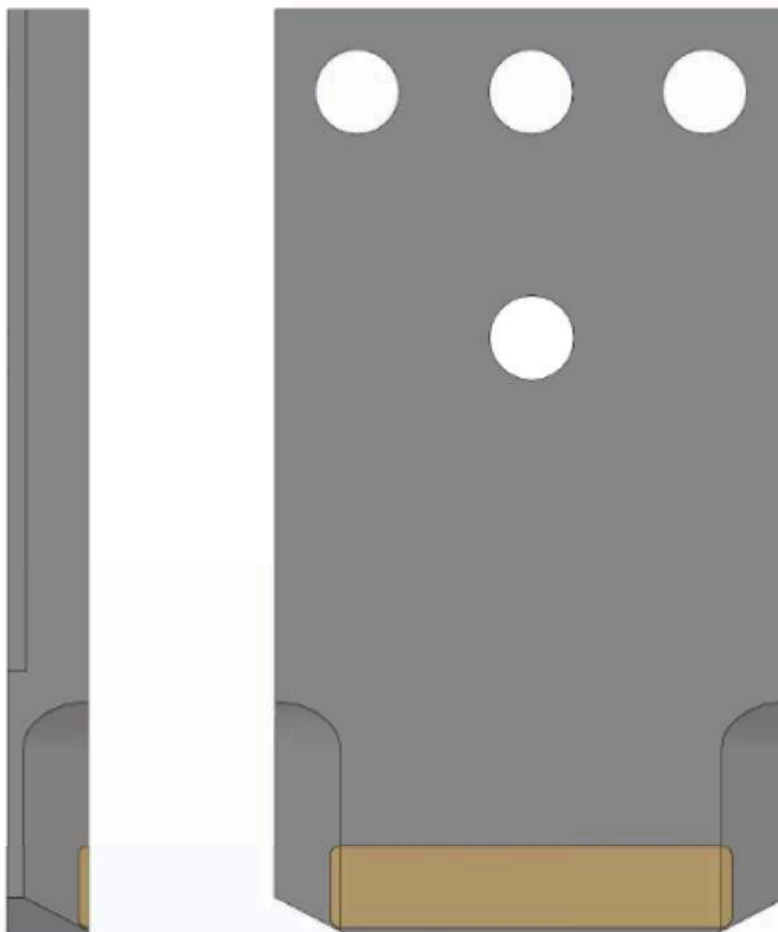
Length: 17.50 in. 445 mm.  
Width: 4.50 in. 114 mm.  
Weight: 18.0 lb. 8 kg.  
OEM #: A8281XAA, 02048332002, D2752Y02,  
0-2300493-0-10, 02408332002A,

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# BTI-193801

BTI Tigercarb Reaction Pad \* Fits  
Harsco Tamper



## SPECIFICATIONS:

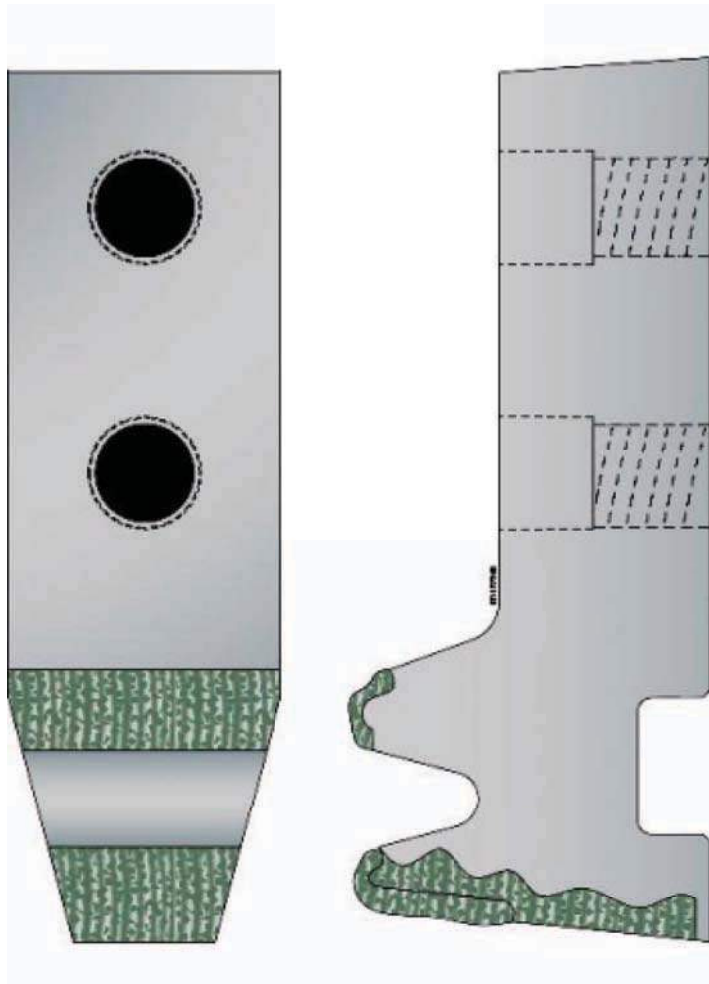
|                                            |           |         |
|--------------------------------------------|-----------|---------|
| Height:                                    | 6.25 in.  | 159 mm. |
| Length:                                    | 11.25 in. | 286 mm. |
| Width:                                     | 1.00 in.  | 25 mm.  |
| Weight:                                    | 19.0 lb.  | 9 kg.   |
| OEM #: 01305738101, 1305738101A, A3033X01, |           |         |

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# BTI-197940

BTI TuffCarb Rail Clamp (Includes Hardware) \* Fits Harsco Tamper



## SPECIFICATIONS:

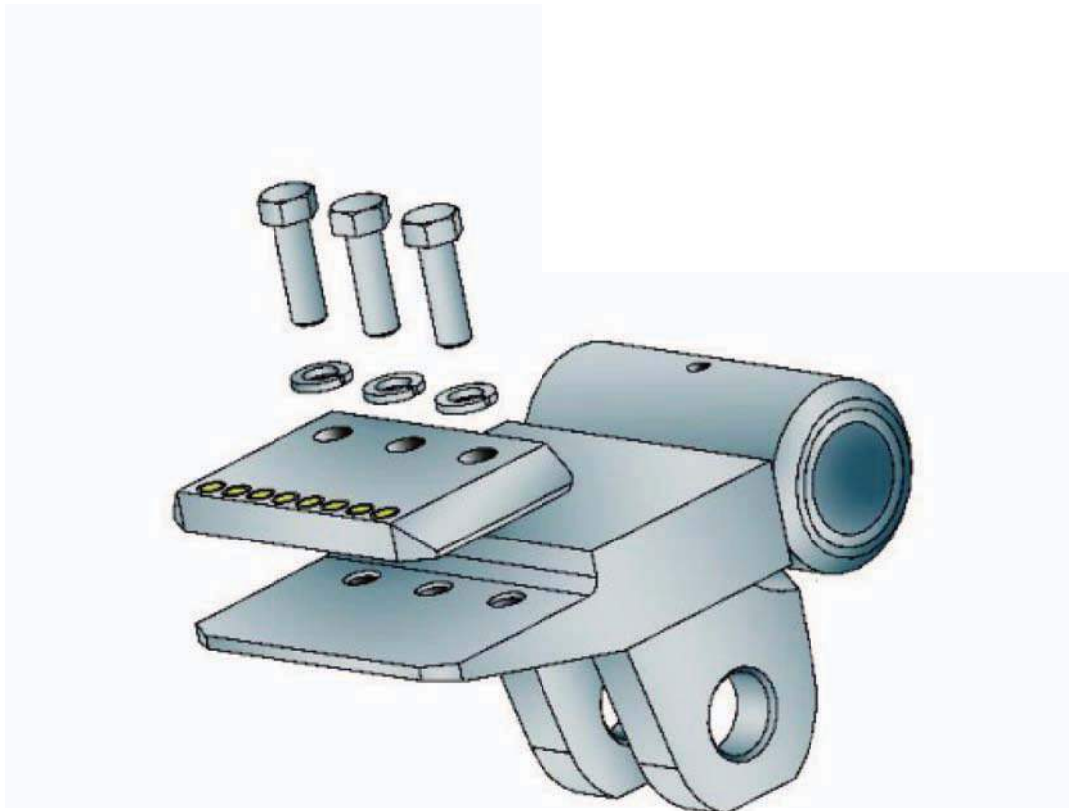
|         |          |         |
|---------|----------|---------|
| Height: | 1.94 in. | 49 mm.  |
| Length: | 8.13 in. | 207 mm. |
| Width:  | 2.50 in. | 64 mm.  |
| Weight: | 12.0 lb. | 5 kg.   |
| OEM #:  | 1050541, |         |

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# BTI-198275

BTI Biasing With Replaceable Bolt On  
Pad \* Fits Harsco Tamper



## SPECIFICATIONS:

|         |           |         |
|---------|-----------|---------|
| Height: | 2.00 in.  | 51 mm.  |
| Length: | 12.00 in. | 305 mm. |
| Width:  | 6.88 in.  | 175 mm. |
| Weight: | 50.0 lb.  | 23 kg.  |
| OEM #:  | A7660YAA, |         |

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**BTI-500002**

BTI ToolJack Tamping Tool Remover Kit \* Fits  
BTI Tamping Tools - BTI-215, BTI-515, BTI-535  
Series



**SPECIFICATIONS:**

Length: 32 Inches (813 MM)  
Width: 10 Inches (254 MM)  
Height: 12 Inches (305 MM)  
Weight: 60 lbs. (27 kg)  
OEM #: N/A

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**BTI-500001**

BTI ToolJack Tamping Tool Remover \* Fits BTI  
Tamping Tools - BTI-215, BTI-515, BTI-535  
Series



**SPECIFICATIONS:**

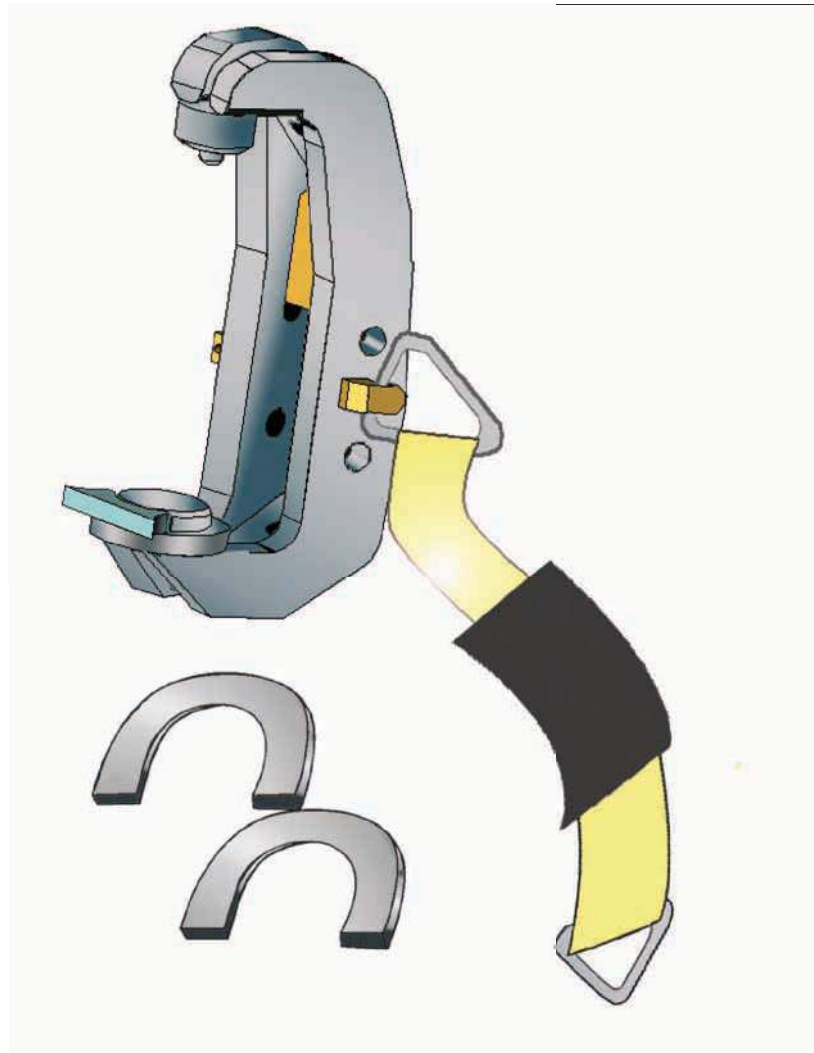
O.E.M#: n/a

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**BTI-500010**

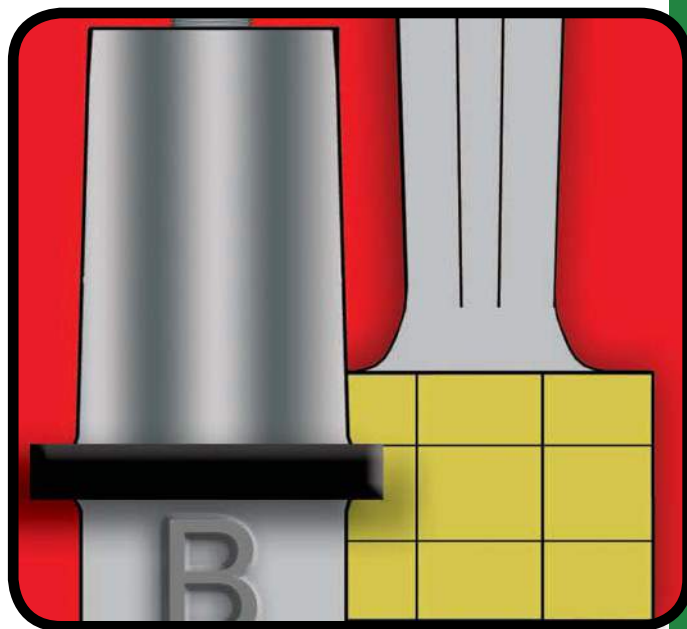
BTI ToolJack Broken Tool Remover Kit \* Fits BTI  
ToolJack Tool Remover (Requires BTI-500001)



**SPECIFICATIONS:**

Length: 6.5 Inches (163 MM)  
Width: 5 Inches (120 MM)  
Height: 14.5 Inches (363 MM)  
Weight: 31.5 lbs. (14 kg)  
OEM #: n/a

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## **Plasser**

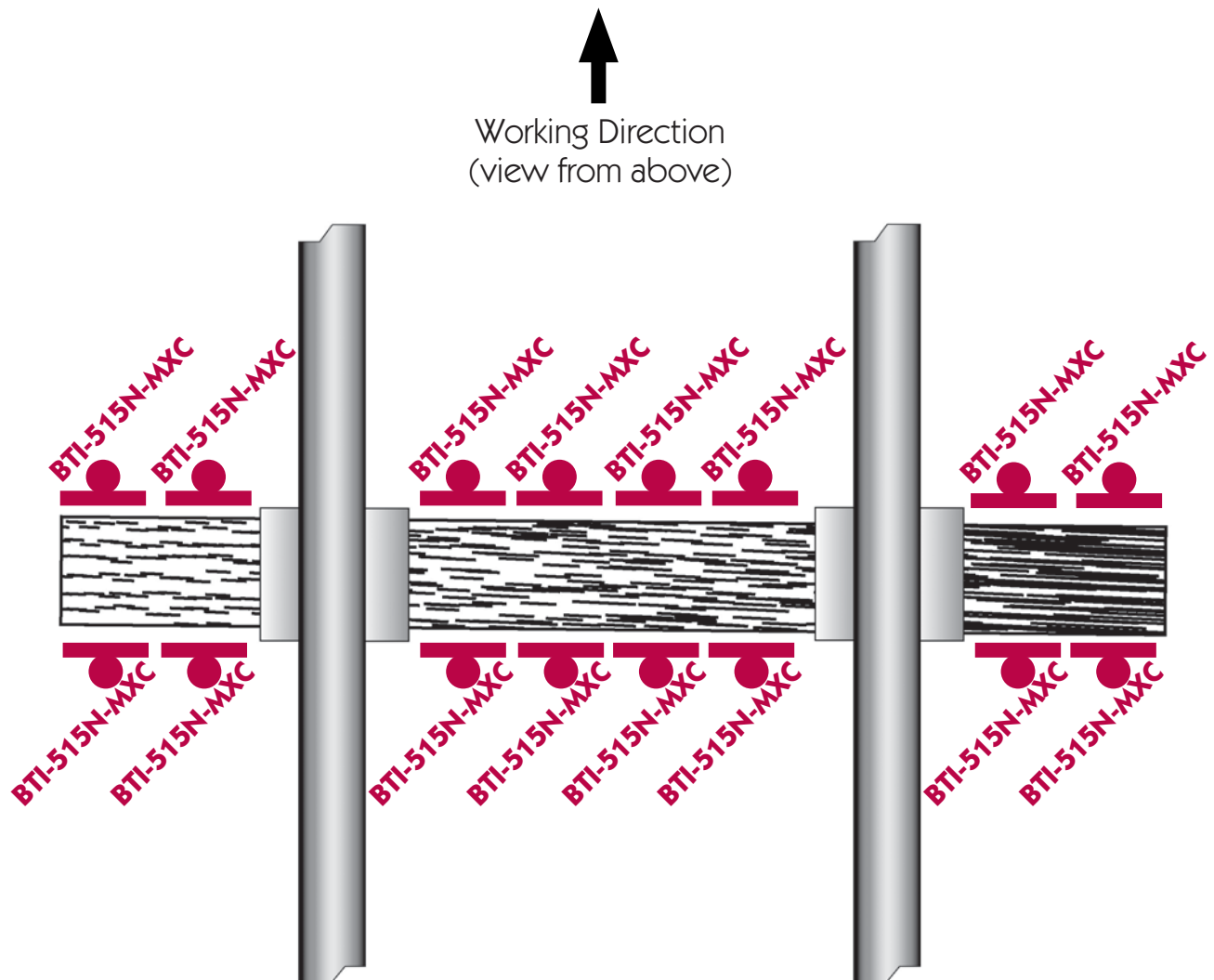
Tampers





# BTI Layout Fits Plasser Production Series 16 Tool Models - 07, 08, 09

Complete Plasser Tamper  
16 tool set: Optional Layout  
16 - BTI-515N-MXC

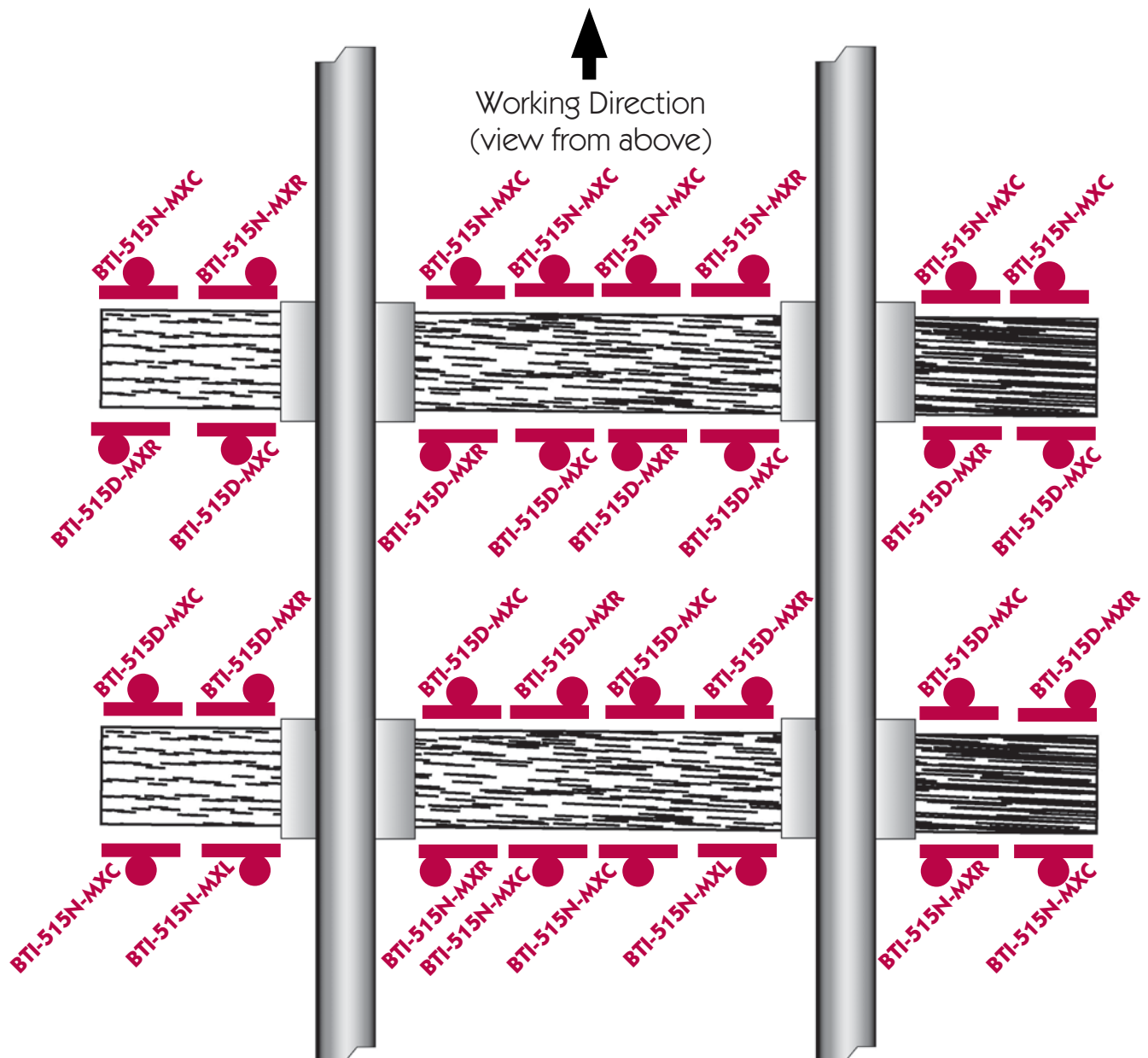


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# BTI Layout Fits Plasser Production Series 32 Tool Models - 07, 08, 09

Complete Plasser Tamper  
32 tool set: Optional Layout  
10 - BTI-515N-MXC, 4 - BTI-515N-MXR,  
2 - BTI-515N-MXL, 8 - 515D-MXC  
8 - BTI-515D-MXR

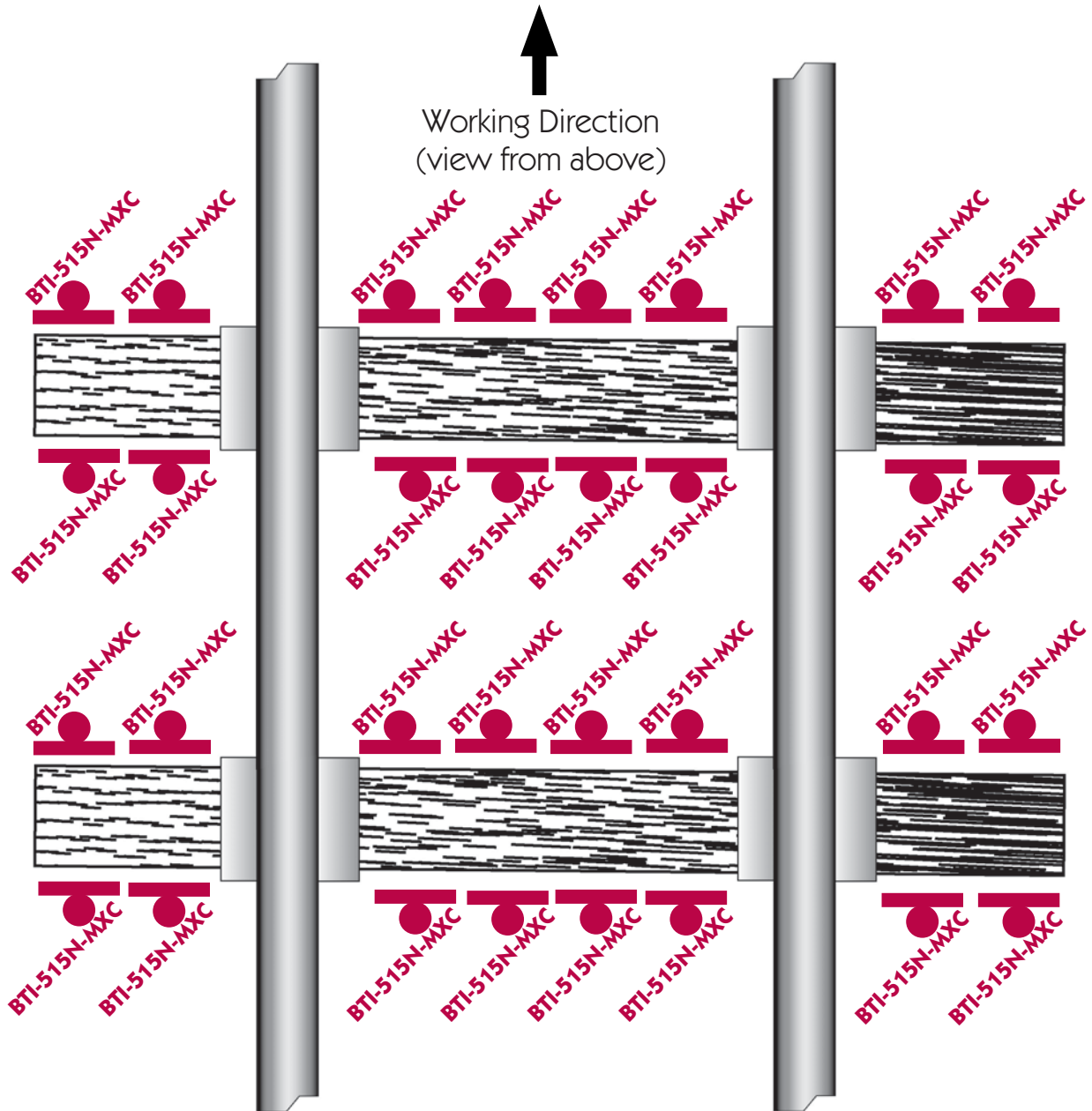


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# BTI Layout Fits Plasser Production Series 32 Tool Models - 07, 08, 09

Complete Plasser Tamper  
32 tool set: Standard Layout Contains  
32 - BTI-515N-MXC

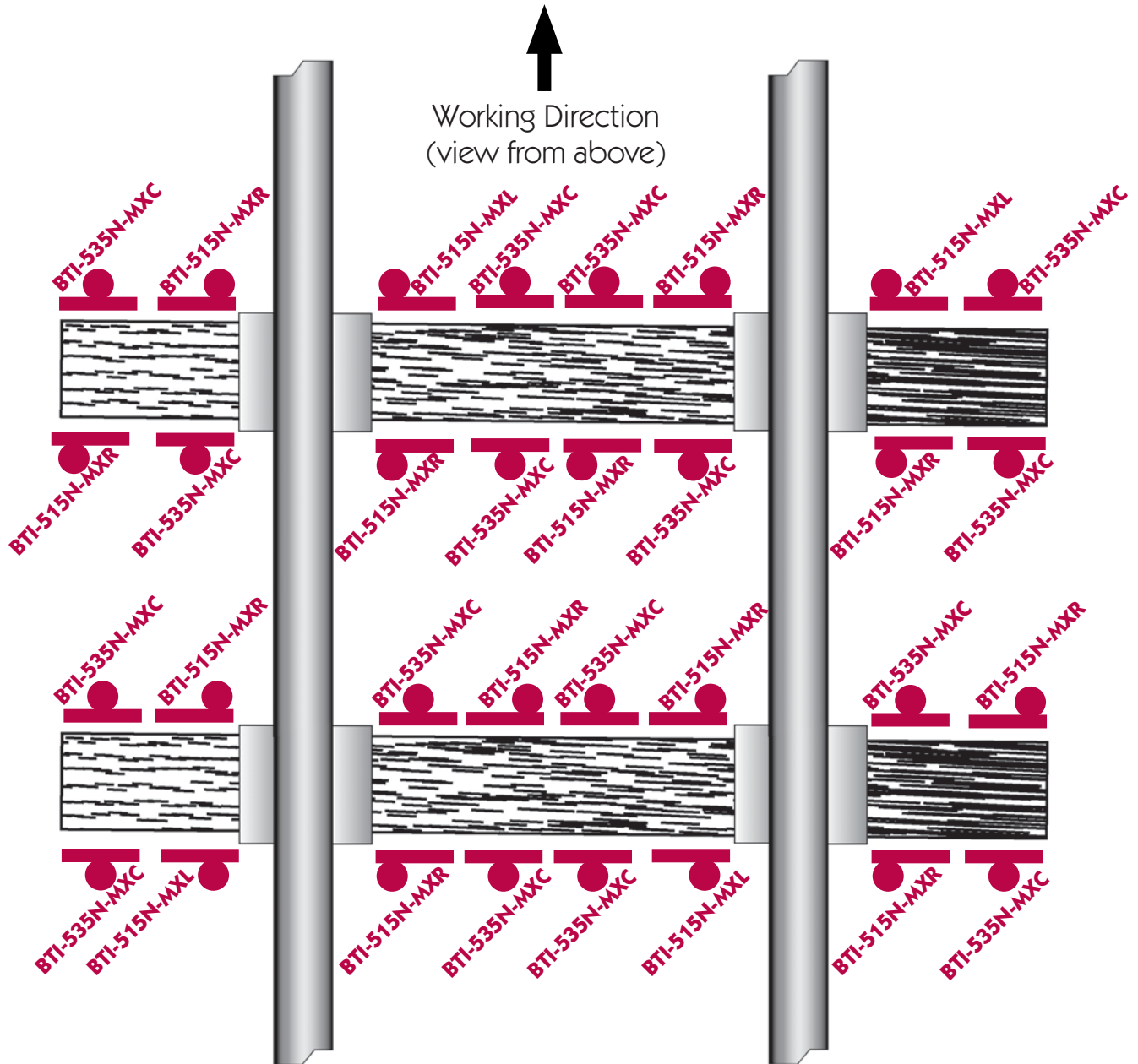


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## BTI Layout Fits Plasser Production Series Models - 07, 08, 09

Complete Plasser Tamper  
32 tool set: 16 - BTI-535N-MXC,  
4 - BTI-515N-MXR, 4 - BTI-515N-MXL,  
8 - BTI-515N-MXR - Optional: 32 BTI-515N-MXC

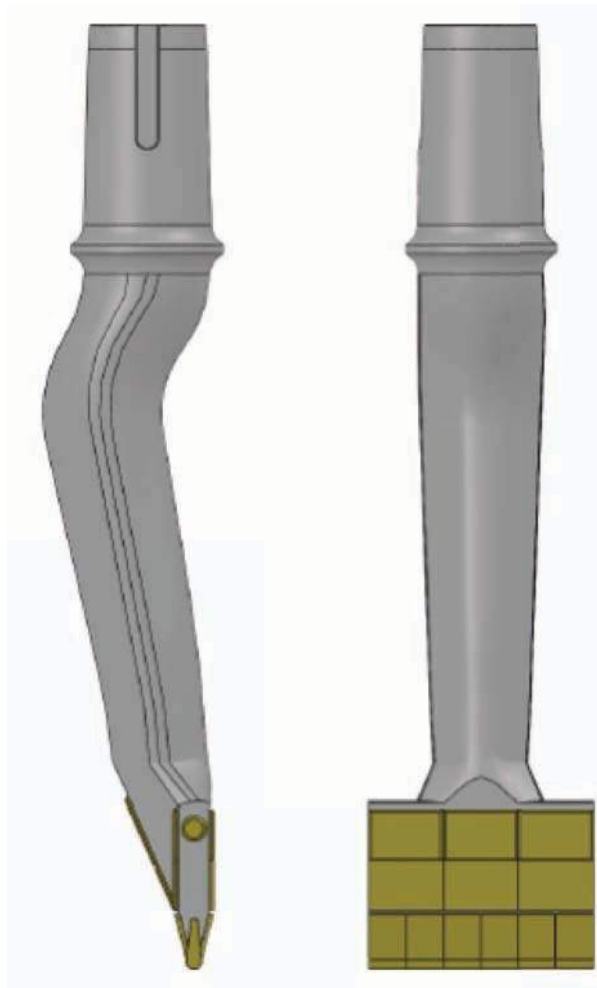


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## BTI-515D-MXC

BTI Carbide Xtreme Tip Dog Leg  
Tamping Tool ( Center ) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

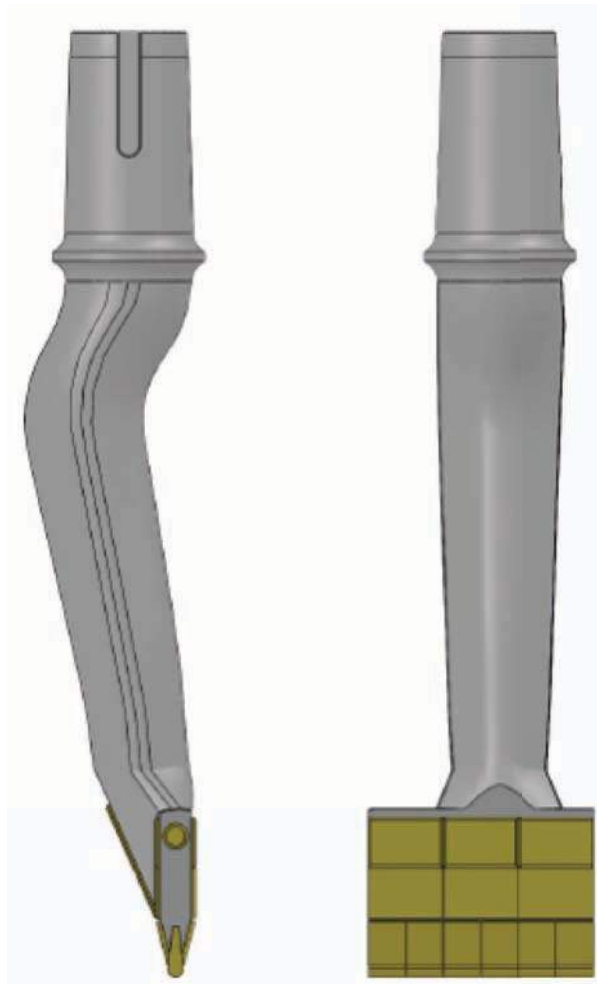
Length: 18.90 in. 480 mm.  
Width: 4.50 in. 114 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: 2E301202AK, AM2E30120AKR,  
CU304020FRI, AM2E302202KUSA, CU304320RAFRI,

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## BTI-515D-MXR

BTI Carbide Xtreme Tip Dog Leg  
Tamping Tool ( Right ) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

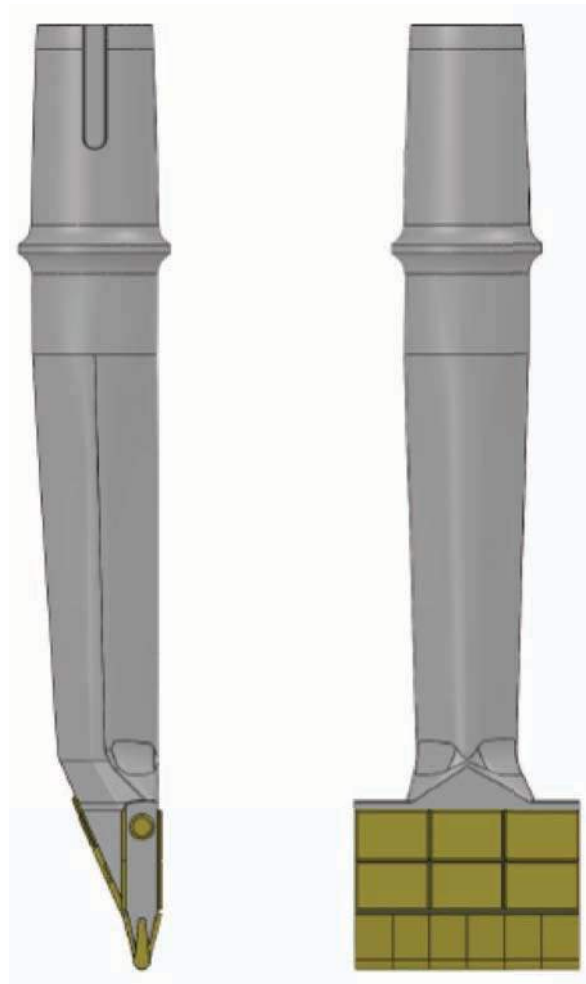
Length: 18.86 in. 479 mm.  
Width: 4.50 in. 114 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: 2E301202AKR, CU304520FRIL,  
AM2E301202A, CU30421I, CU304220FRIL,

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## BTI-515N-MXC

BTI Carbide Xtreme Tip Straight  
Tamping Tool ( Center ) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

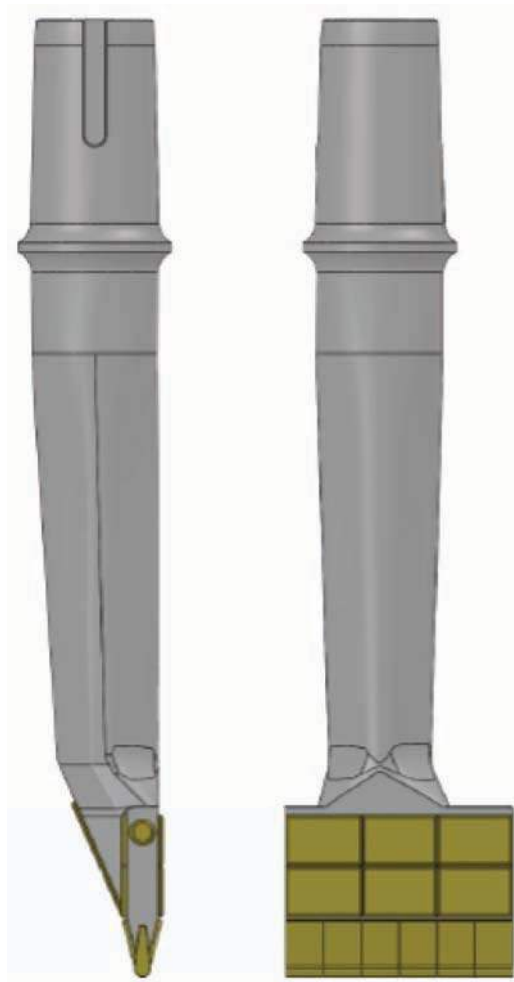
Length: 18.89 in. 480 mm.  
Width: 4.50 in. 114 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: AM2E302202KUSA, 2E301202AK,  
AM2E30120AKR, CU304020?//,

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## BTI-515N-MXL

BTI Carbide Xtreme Tip Straight  
Tamping Tool (Left) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

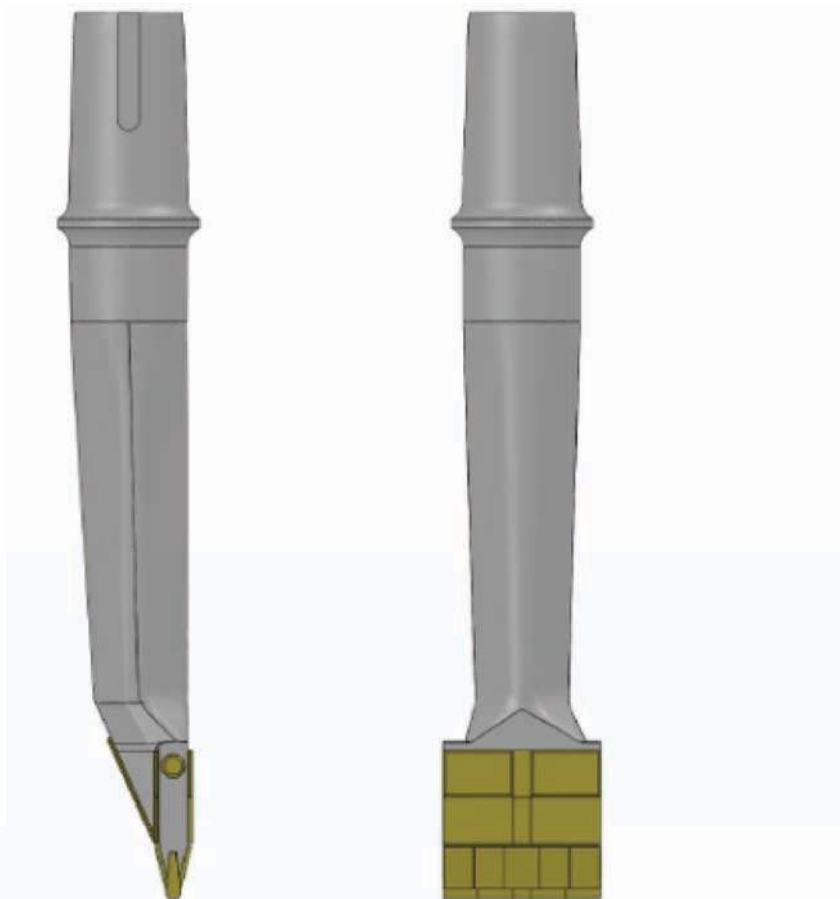
Length: 18.89 in. 480 mm.  
Width: 4.50 in. 114 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: CU304020FIII, CU304020111,  
CU304020BEFRIII, CU304520FRIII, CU304320III,

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## BTI-515N-MXNC

BTI Carbide Xtreme Tip Straight  
Tamping Tool (Center) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

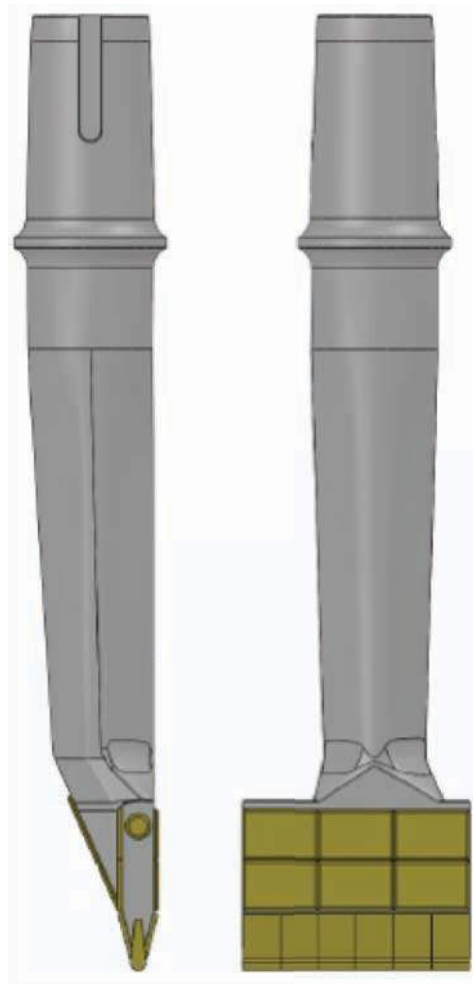
|         |           |         |
|---------|-----------|---------|
| Length: | 18.88 in. | 480 mm. |
| Width:  | 3.38 in.  | 86 mm.  |
| Weight: | 20.3 lb.  | 9 kg.   |
| OEM #:  |           |         |

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## BTI-515N-MXR

BTI Carbide Xtreme Tip Straight  
Tamping Tool (Right) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

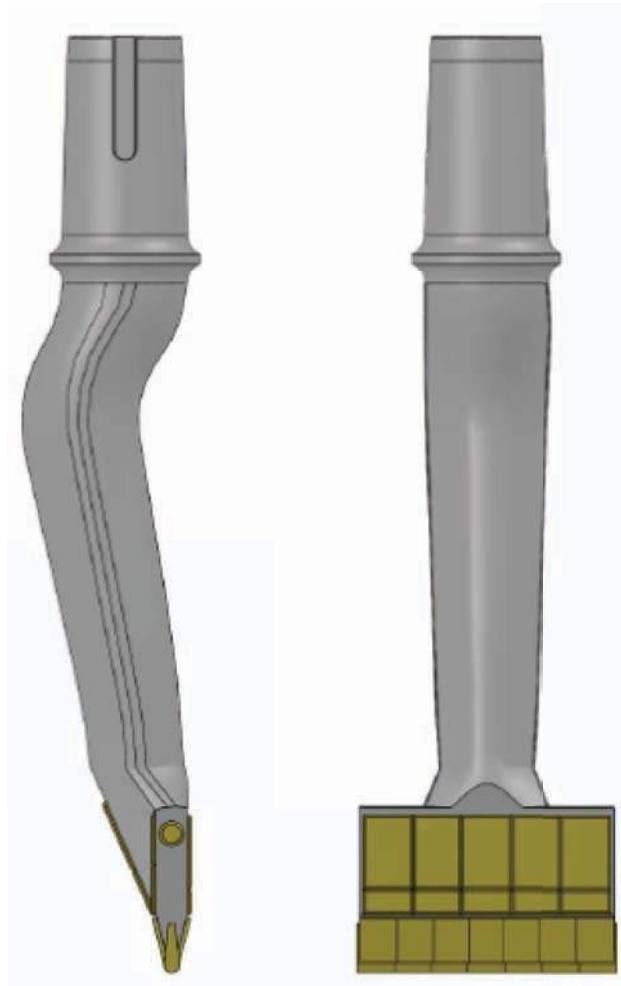
Length: 18.89 in. 480 mm.  
Width: 4.50 in. 114 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: 2E301202AKR CU304320II, CU304520FRII,  
AM2E301202A CU304220II, CU30421I CU304020FII,  
CU304220FRII,

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## BTI-535D-MXC

BTI Carbide Xtreme Wide Tip Dog Leg  
Tamping Tool (Center) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

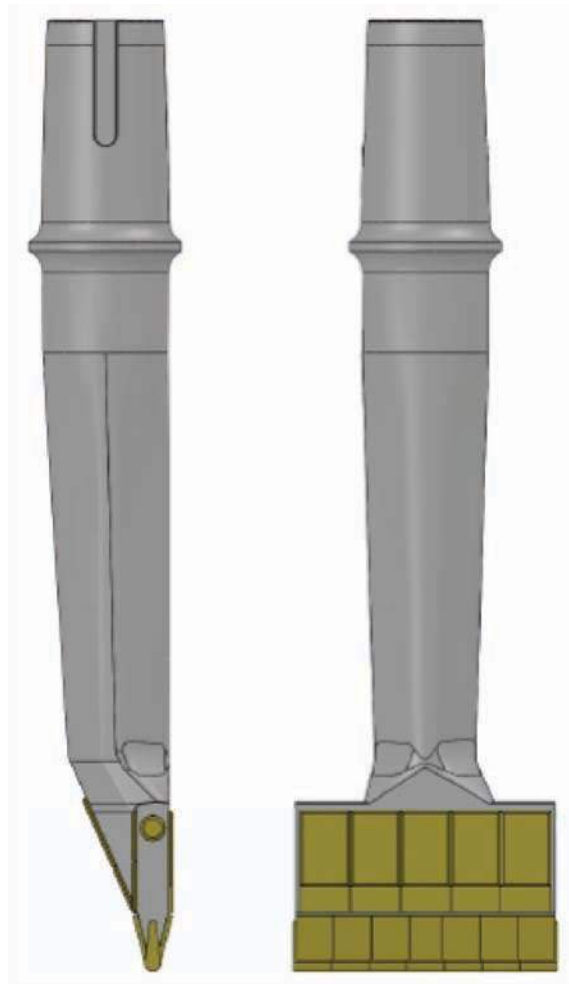
Length: 18.89 in. 480 mm.  
Width: 5.25 in. 133 mm.  
Weight: 24.0 lb. 11 kg.  
OEM #: CU303820FRI, CU3043201, CU30421FRI,  
CU304520FR I, CU30421I,

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## BTI-535N-AXC

BTI Carbide Xtreme Tip (Center)  
Tamping Tool \* Fits Plasser Tamper  
w/Tapered Tool Holder



### SPECIFICATIONS:

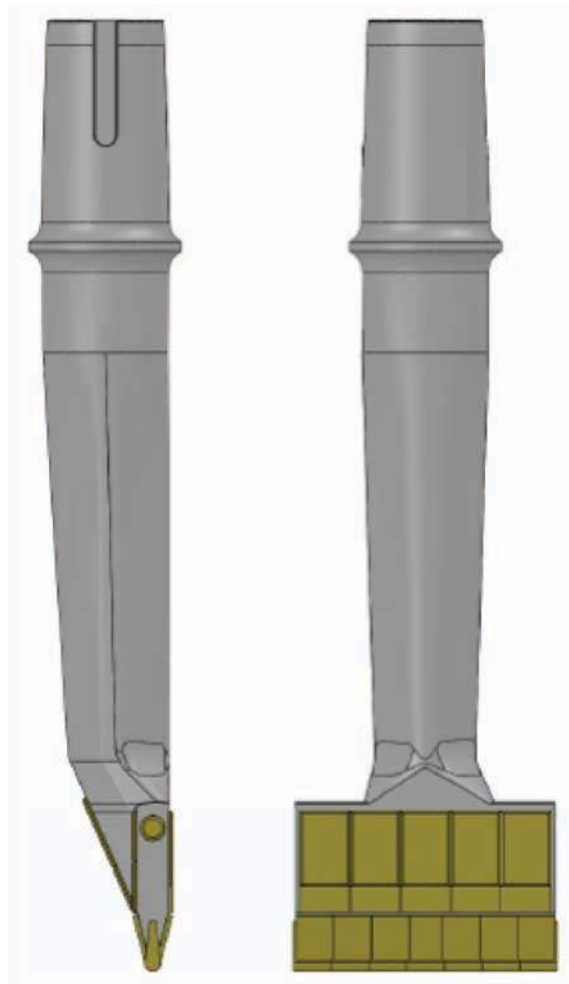
Length: 16.51 in. 419 mm.  
Width: 5.25 in. 133 mm.  
Weight: 20.5 lb. 9 kg.  
OEM #: B3890X01, CU304720FRI, CU304620FRI,  
CU304820FRI,

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## BTI-535N-MXC

BTI Carbide Xtreme Wide Tip Straight  
Tamping Tool (Center) \* Fits Plasser  
Tamper w/Tapered Tool Holder



### SPECIFICATIONS:

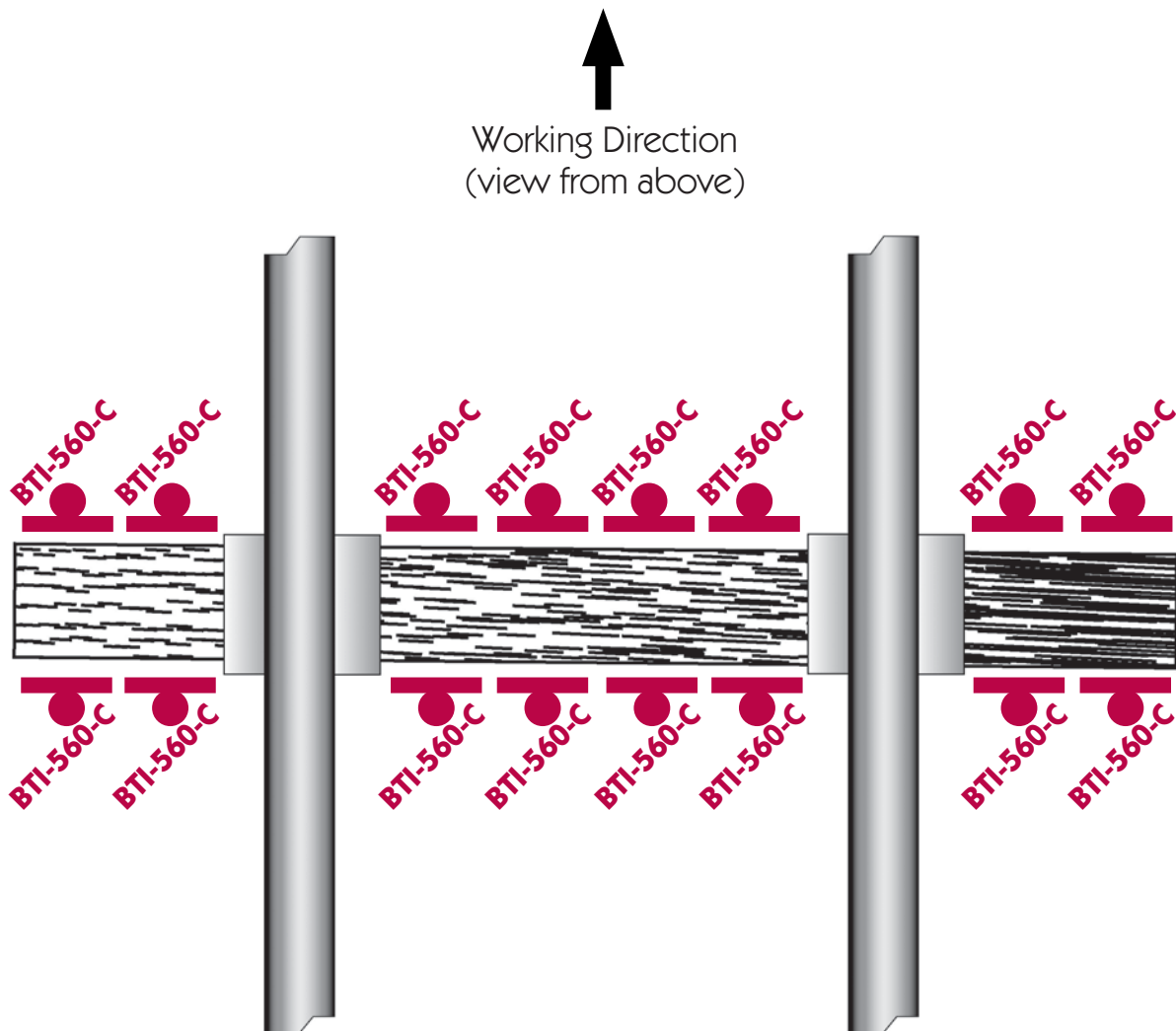
Length: 18.89 in. 480 mm.  
Width: 5.25 in. 133 mm.  
Weight: 23.5 lb. 11 kg.  
OEM #: CU303820FRI, CU3043201, CU30421FRI,  
CU304520FRI, CU30421I,

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# BTI Layout Fits Plasser Production Series 16 Tool Models

Complete Plasser Tamper Standard Layout  
16 - BTI-560-C

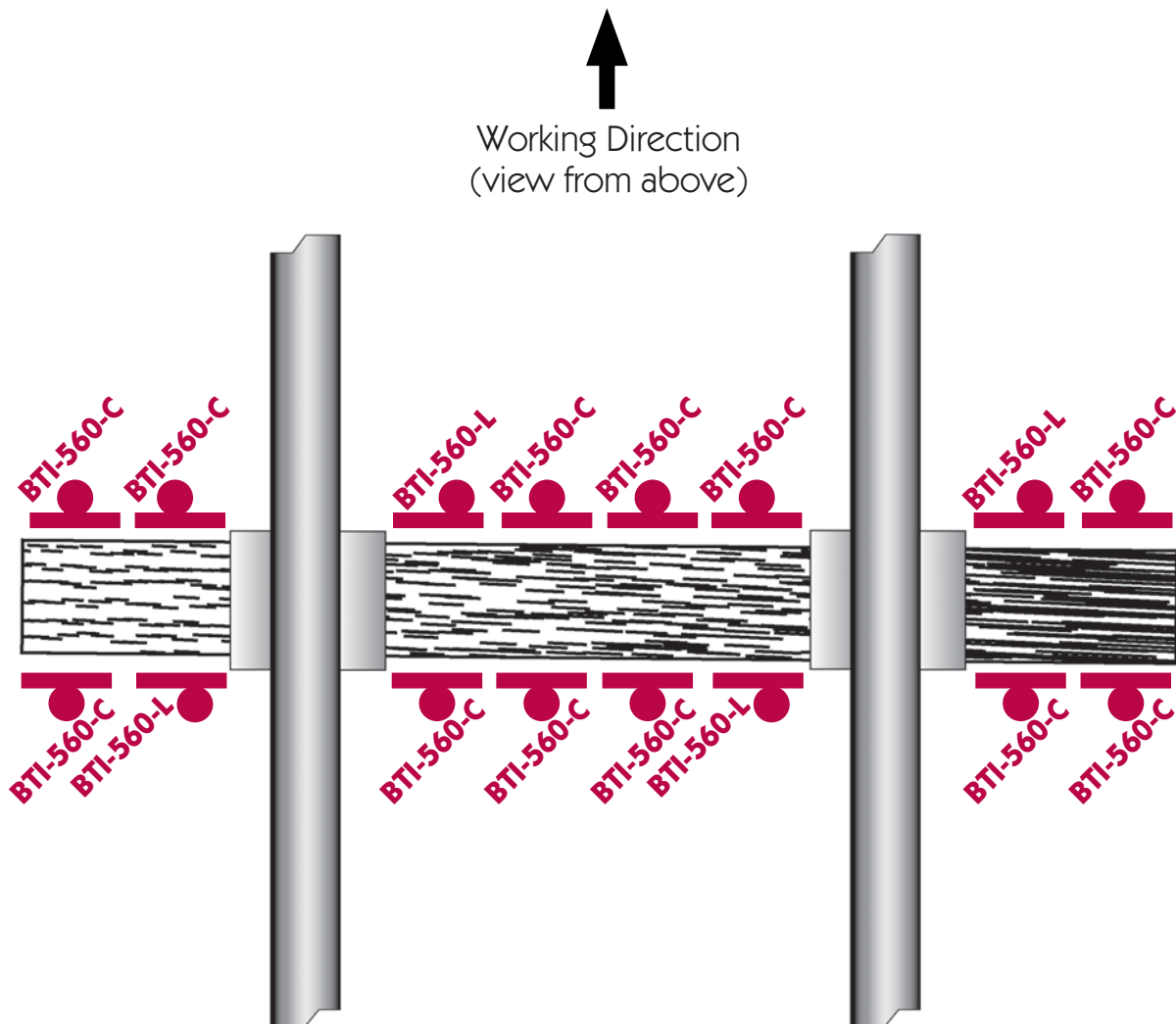


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## BTI Layout Fits Plasser Production Series 16 Tool Models

Complete Plasser Tamper Optional Layout  
12 - BTI-560-C, 4 - BTI-560-L

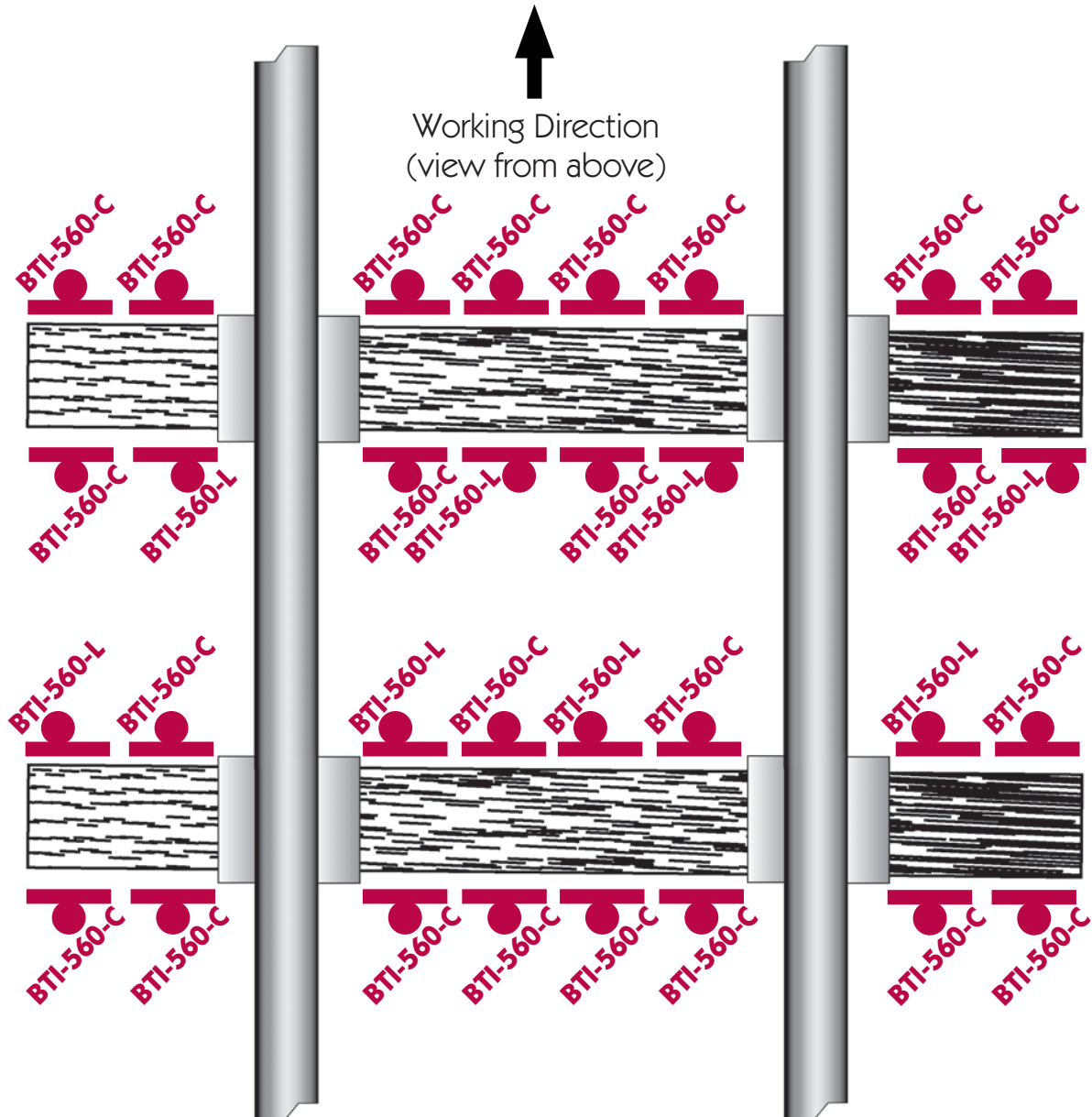


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# BTI Layout Fits Plasser Production Series 32 Tool Models - 2X Machine

Complete Plasser Tamper  
32 tool set: Standard Layout  
16 - BTI-560-C, 8 - 560-L

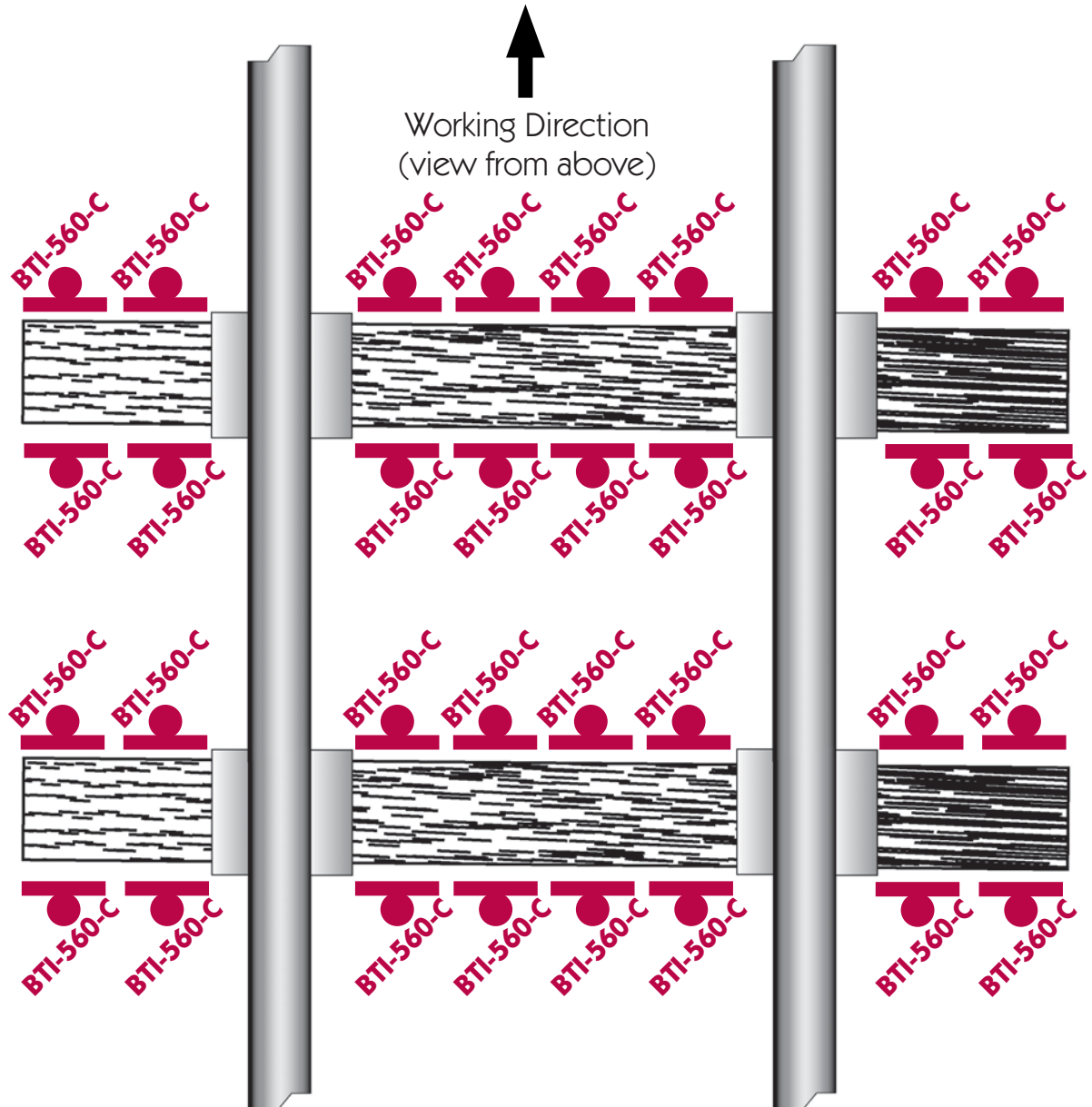


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# BTI Layout Fits Plasser Production Series 32 Tool Models - 2X Machine

Complete Plasser Tamper  
Optional Layout #1  
32 tool set: 32 - BTI-560-C



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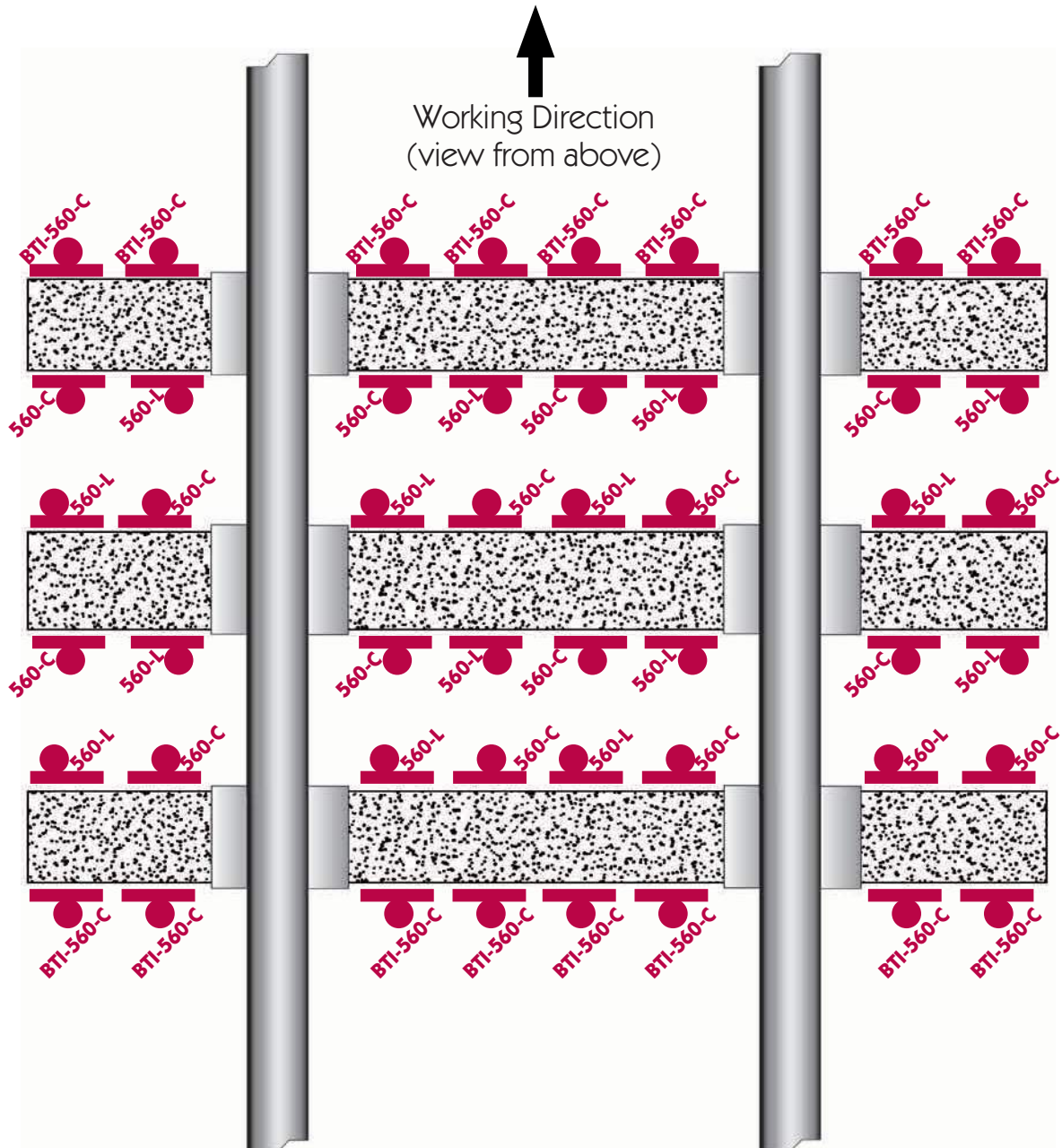


## BTI Layout Fits Plasser Production Series 48 Tool Models - 3X Machine

Complete Plasser Tamper

48 tool set: Standard Layout

32 - BTI-560-C, 16 - BTI-560-L or LN as required

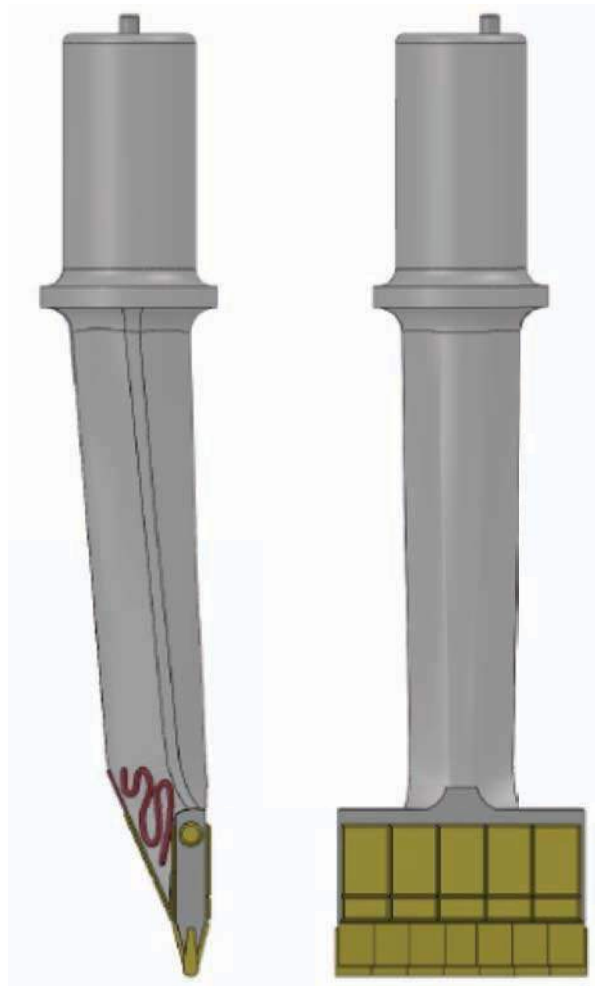


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# BTI-560-C

BTI Carbide Xtreme Tip Cylinder  
Tamping Tool (Center) \* Fits Plasser  
Tamper w/Cylindrical Tool Holder



## SPECIFICATIONS:

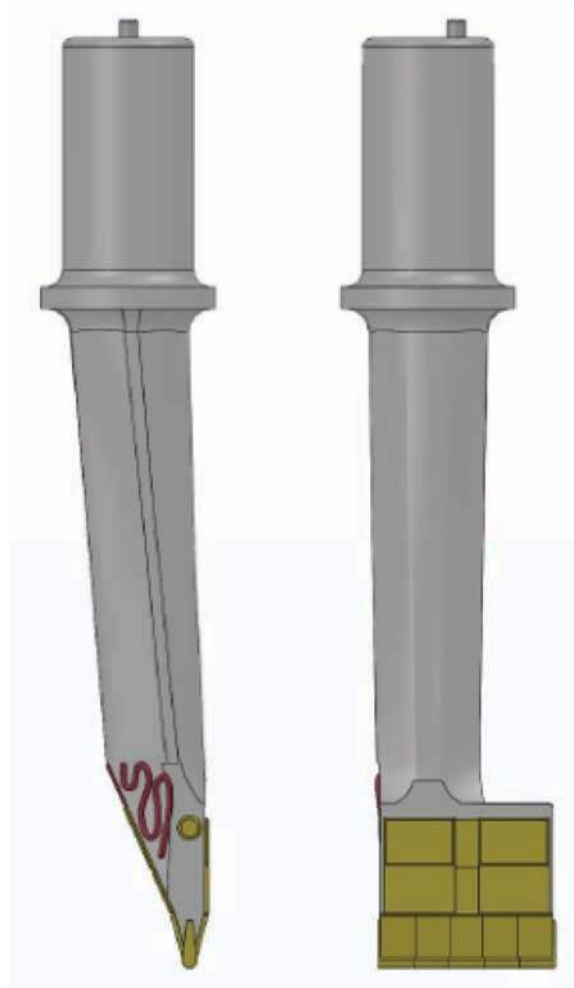
Length: 19.64 in. 499 mm.  
Width: 5.25 in. 133 mm.  
Weight: 28.2 lb. 13 kg.  
OEM #: CU307620FRI, CU308820FR1,  
WN300N1Z705001FRI, CU307620FRI CU30 8820FR1,

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# BTI-560-L

BTI Carbide Xtreme Tip Switch  
Tamping Tool (left) "New" Cylinder  
Style Tools \* Fits Plasser Tamper  
w/Cylindrical Tool Holder



## SPECIFICATIONS:

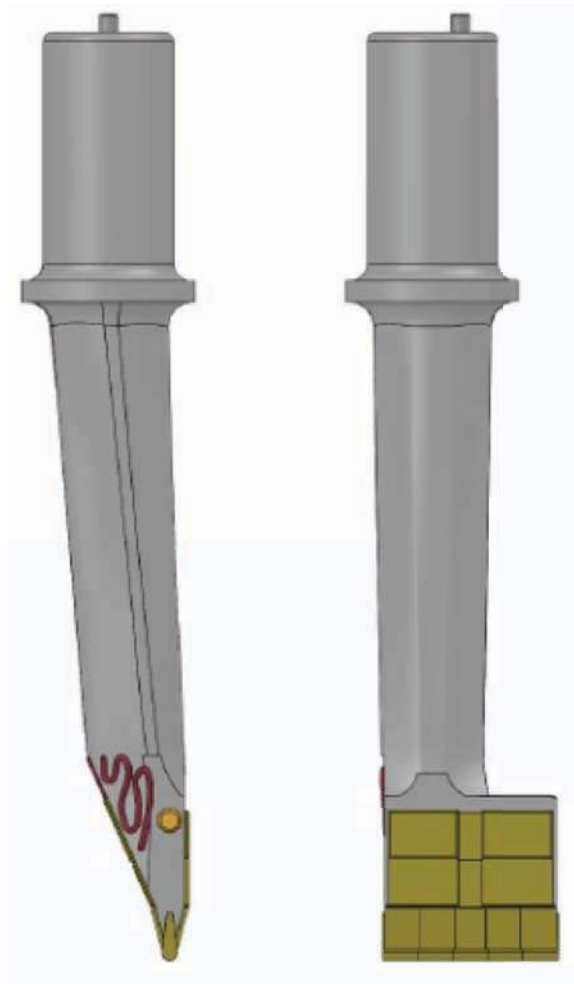
Length: 19.64 in. 499 mm.  
Width: 3.75 in. 95 mm.  
Weight: 28.3 lb. 13 kg.  
OEM #: CU307620FRIII, WN300N12705001FRIII,  
CU308820FRIII,

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# BTI-560-LN

BTI Carbide Xtreme Tip Cylinder  
Tamping Tool (Left Narrow) \* Fits  
Plasser Tamper w/Cylindrical Tool  
Holder



## SPECIFICATIONS:

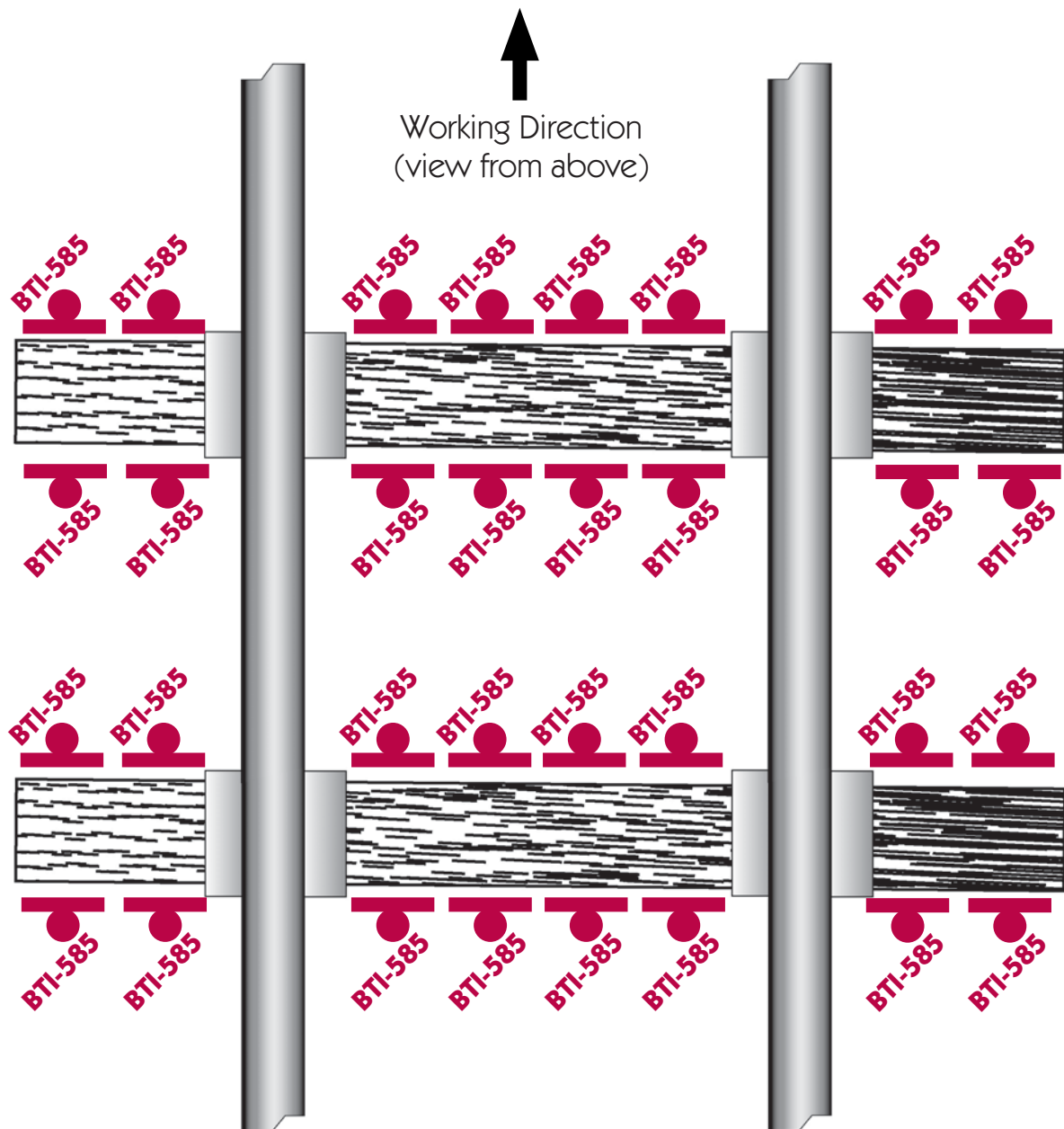
Length: 19.64 in. 499 mm.  
Width: 3.74 in. 95 mm.  
Weight: 28.3 lb. 13 kg.  
OEM #: CU307620FRV, WN300N1Z705001FRV,  
CU308820FRV,

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# BTI Layout Fits Plasser Production Series Models - 09/32/4S

Complete Plasser Tamper  
32 tool set: 32 - BTI-585

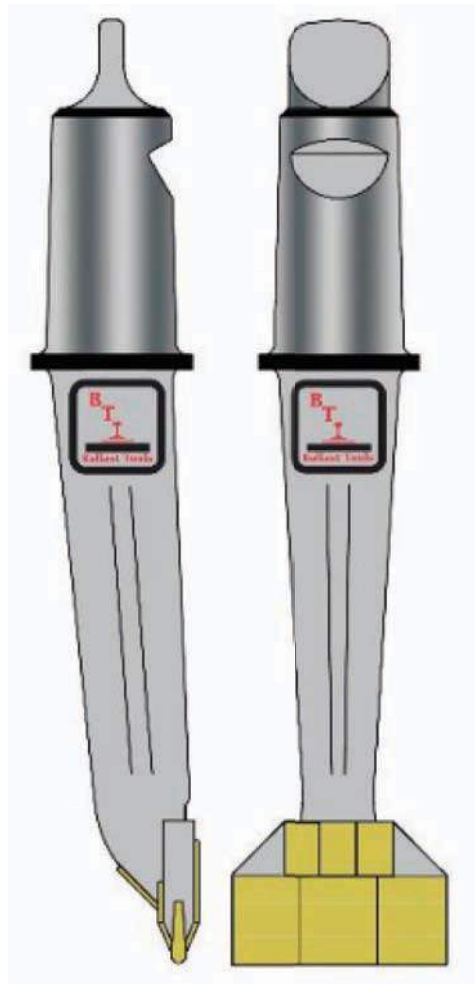


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# BTI-575

BTI Carbide Xtreme Tip Switch Tamper  
Tool \* Fits Plasser Switch Tamper  
W/Tapered Tool Holder



## SPECIFICATIONS:

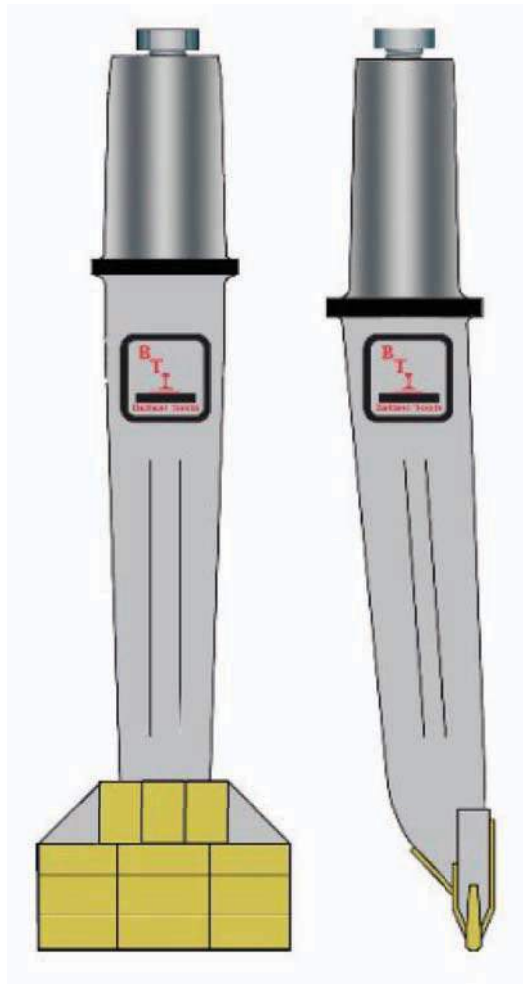
Length: 23.23 in. 590 mm.  
Width: 5.25 in. 133 mm.  
Weight: 35.5 lb. 16 kg.  
OEM #: U211205UF, CU306820BEFRI,

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# BTI-576

BTI Carbide Xtreme Tip Switch Tamper  
Tool \* Plasser Switch Tamper  
W/Tapered Tool Holder



## SPECIFICATIONS:

Length: 18.90 in. 480 mm.  
Width: 5.30 in. 135 mm.  
Weight: 23.0 lb. 10 kg.  
OEM #: CU3045201, CU30421FR1, CU30421FRI,  
CU304520FR1,

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**BTI-500002**

BTI ToolJack Tamping Tool Remover Kit \* Fits  
BTI Tamping Tools - BTI-215, BTI-515, BTI-535  
Series



**SPECIFICATIONS:**

Length: 32 Inches (813 MM)  
Width: 10 Inches (254 MM)  
Height: 12 Inches (305 MM)  
Weight: 60 lbs. (27 kg)  
OEM #: N/A

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**BTI-500001**

BTI ToolJack Tamping Tool Remover \* Fits BTI  
Tamping Tools - BTI-215, BTI-515, BTI-535  
Series



**SPECIFICATIONS:**

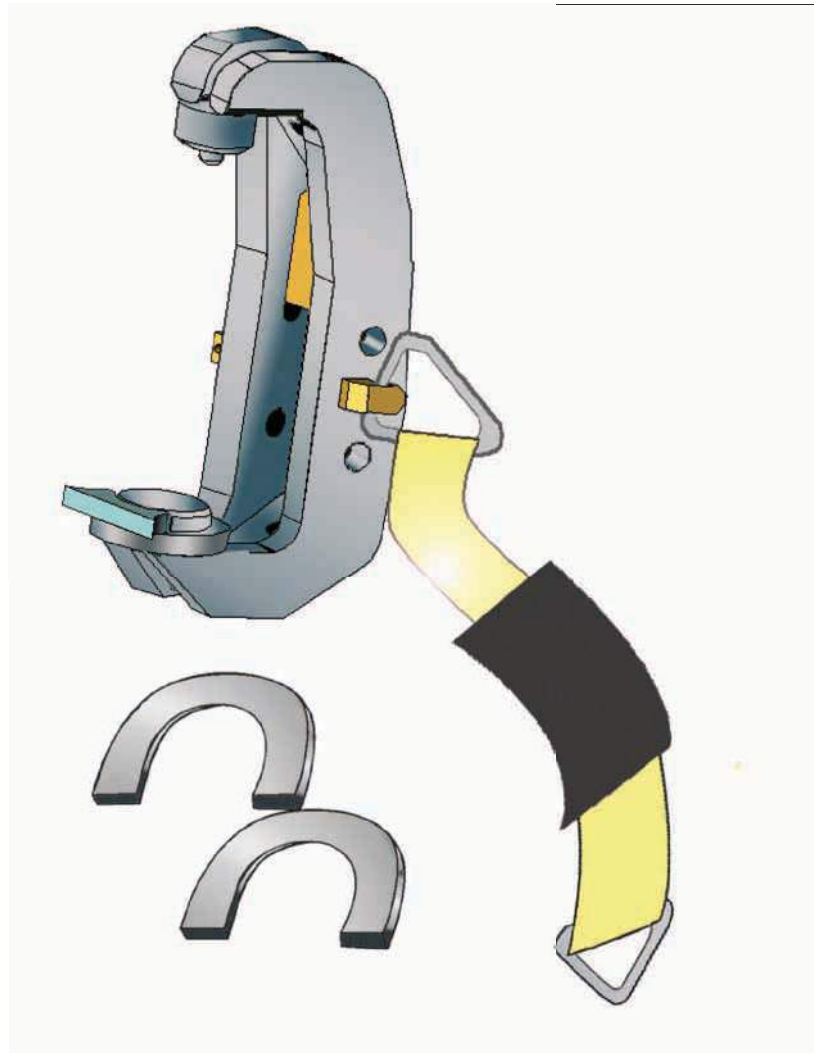
O.E.M#: n/a

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**BTI-500010**

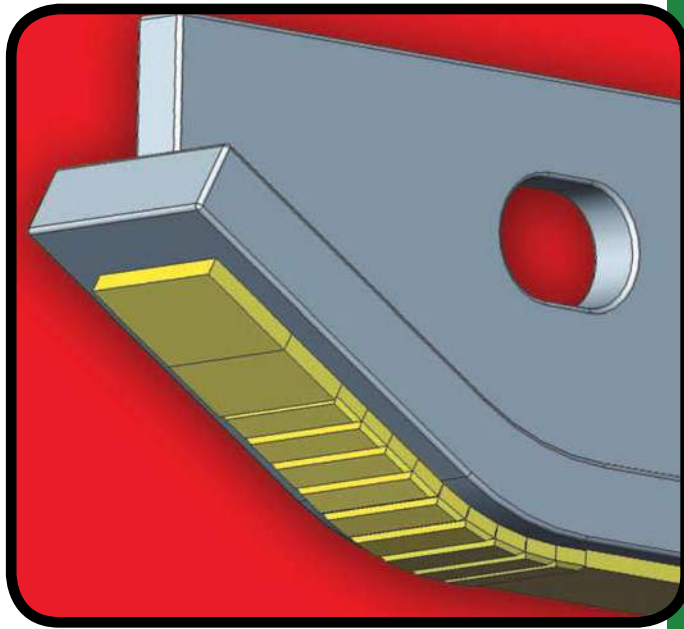
BTI ToolJack Broken Tool Remover Kit \* Fits BTI  
ToolJack Tool Remover (Requires BTI-500001)



**SPECIFICATIONS:**

Length: 6.5 Inches (163 MM)  
Width: 5 Inches (120 MM)  
Height: 14.5 Inches (363 MM)  
Weight: 31.5 lbs. (14 kg)  
OEM #: n/a

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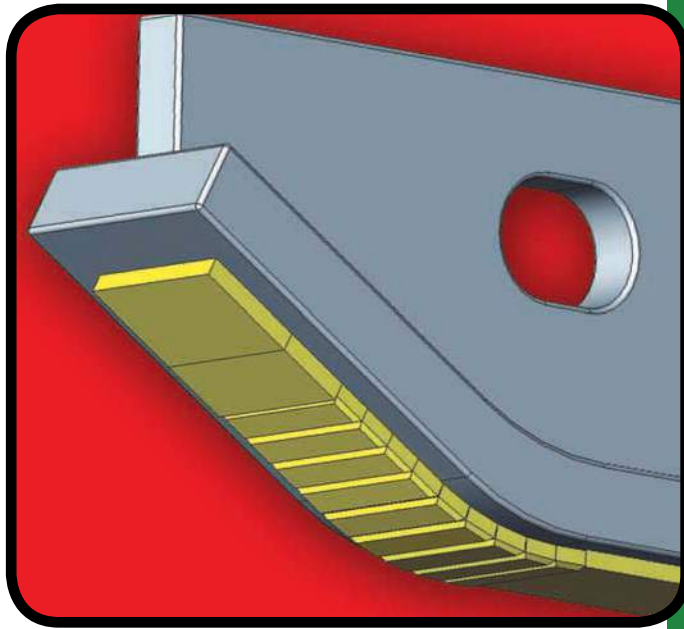
## Ballast Regulators

Kershaw

Knox Kershaw

Nordco





**Kershaw**  
Ballast Regulators



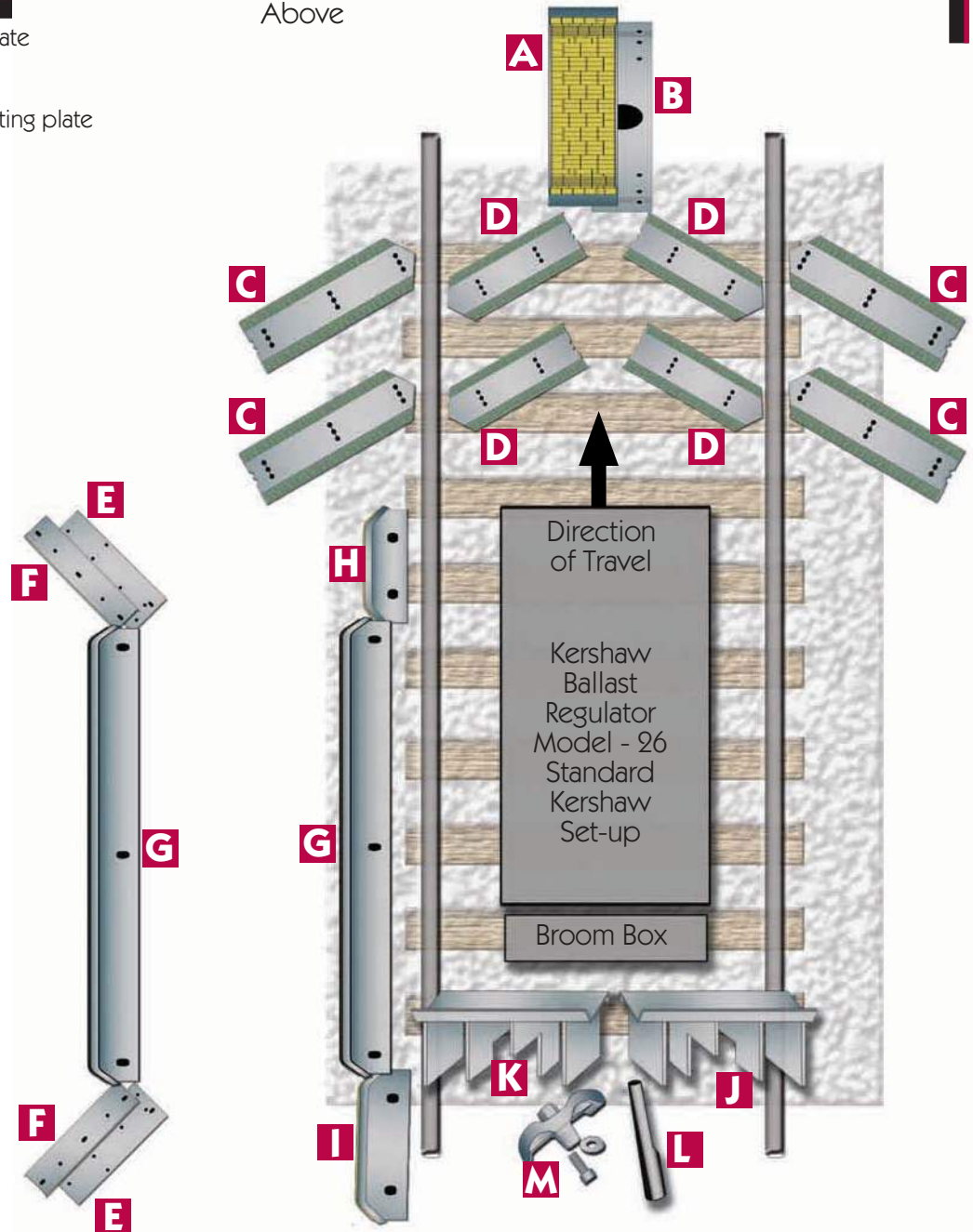


# Standard OEM Layout Fits Kershaw 26 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** Toe-line template  
BTI-170981
- F** Toe-line plow  
BTI-170991
- G** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-720
- H** Solid Carbide Covered  
Inboard "Z-bar" 13 Inches  
BTI-700
- I** Solid Carbide Covered  
Inboard "Z-bar" 13.5 Inches  
BTI-710
- J** Wear Resistant Broom Baffles  
BTI-742 (right)
- K** BTI-741 (left)
- L** Ballastik Broom Elements  
BTI-199138
- M** One-Piece Broom Clamp  
BTI-198845

View From  
Above



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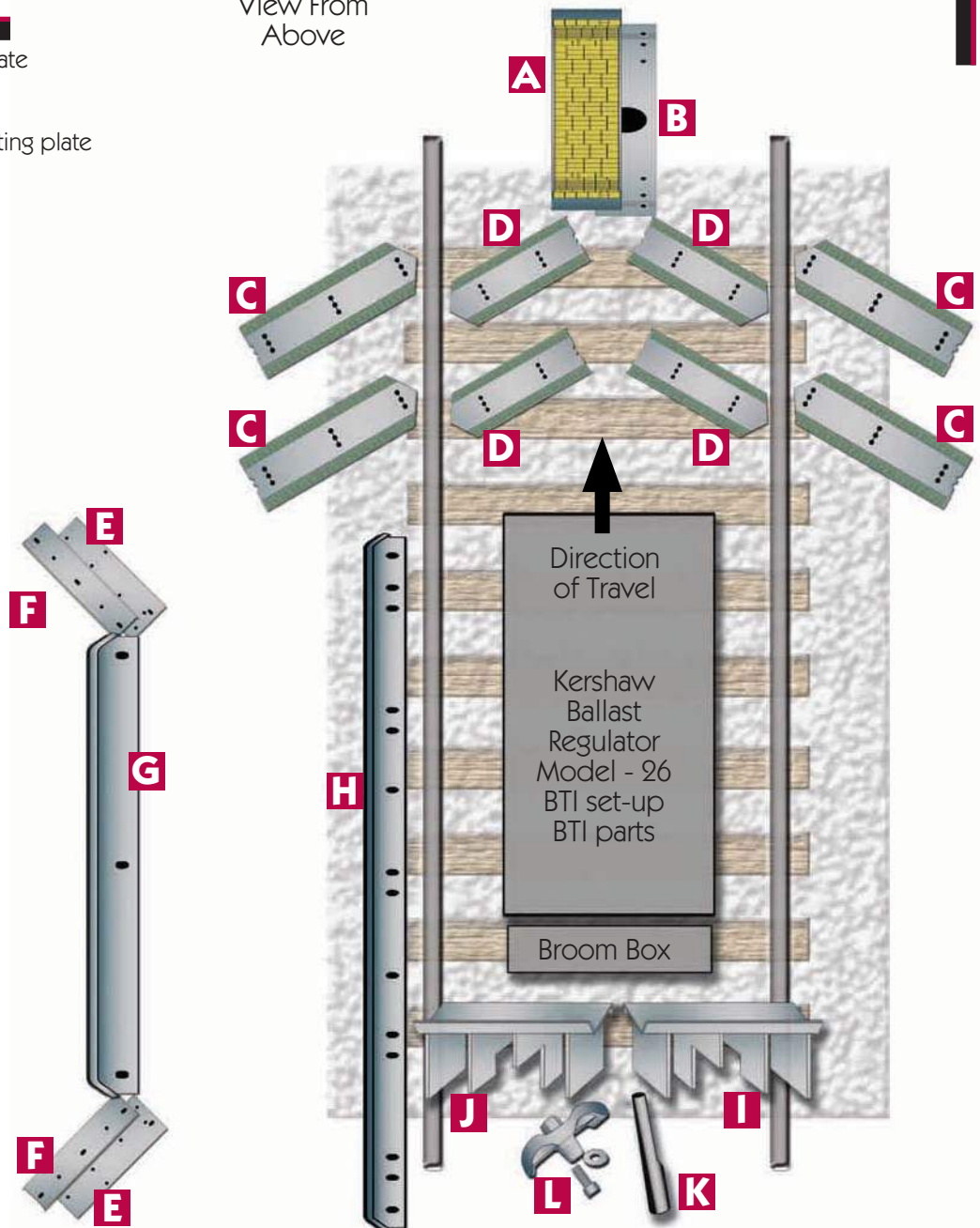


# BTI Layout Fits Kershaw 26 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** Toe-line template  
BTI-170981
- F** Toe-line plow  
BTI-170991
- G** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-720
- H** Solid Carbide Covered  
Inboard "Z-bar"  
BTI-727
- I** Wear Resistant Broom Baffles  
BTI-742 (right)
- J** BTI-741 (left)
- K** Ballastik Broom Elements  
BTI-199138
- L** One-Piece Broom Clamp  
BTI-198845

View From  
Above



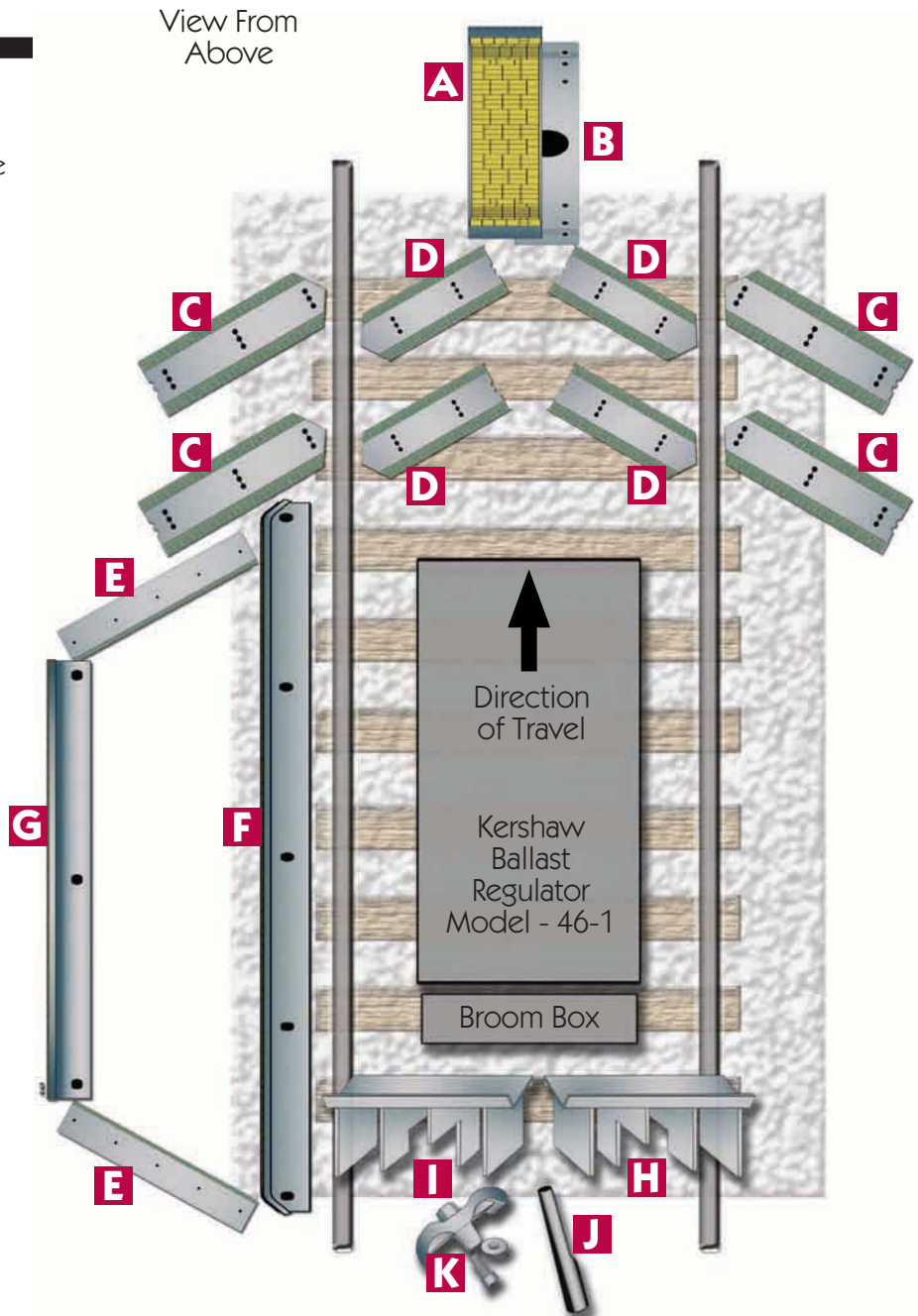
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# BTI Layout Fits Kershaw 46-1 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** TuffCarb™ Carbide  
Inside front grader blades  
BTI-171031
- F** Solid Carbide Covered  
Inboard "Z-bar"  
BTI-725
- G** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-715
- H** Wear Resistant Broom Baffles  
BTI-742 (right)
- I** BTI-741 (left)
- J** Ballastik Broom Elements  
BTI-199138
- K** One-Piece Broom Clamp  
BTI-198845



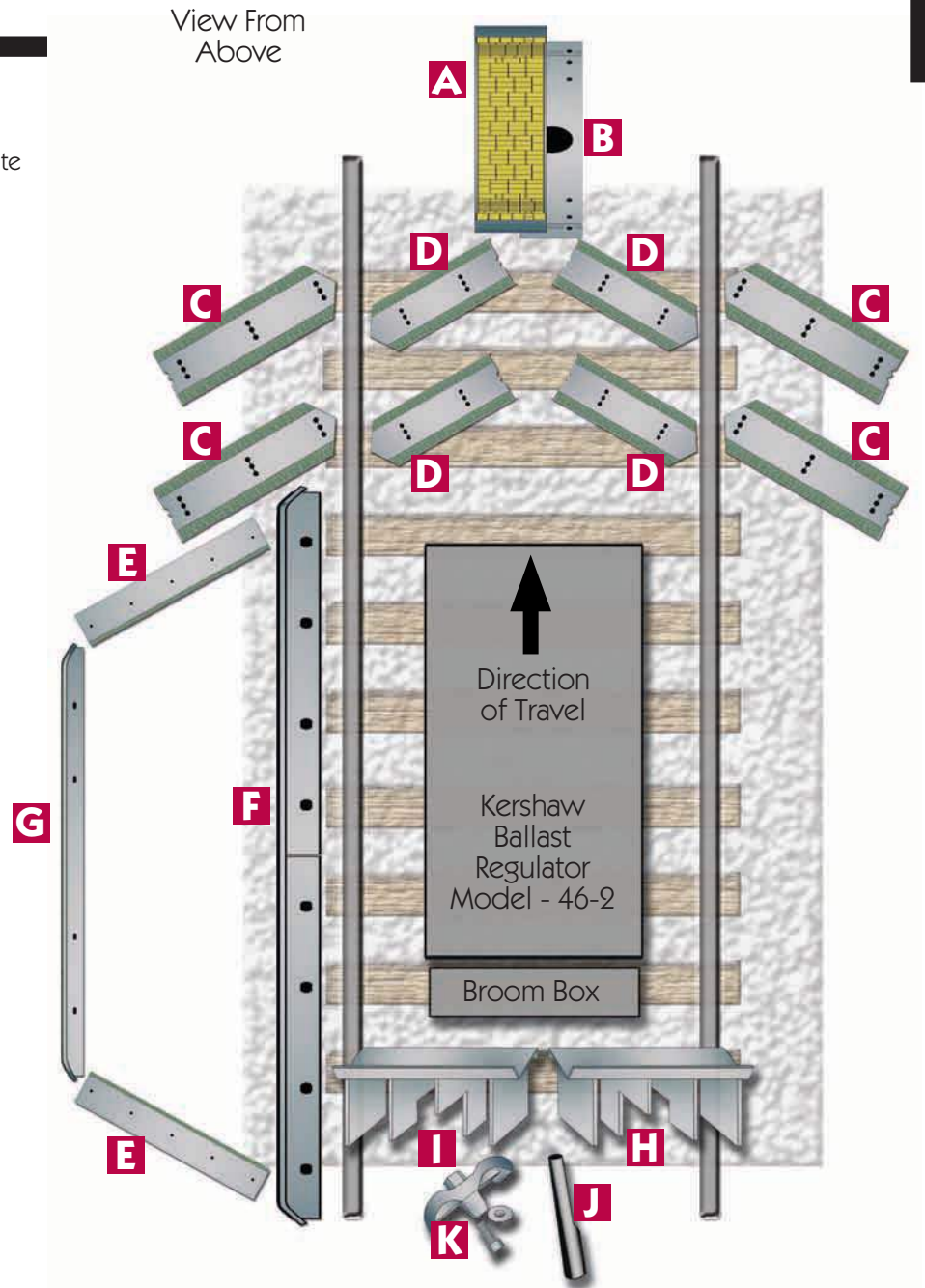
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# BTI Layout Fits Kershaw 46-2 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** TuffCarb™ Carbide  
Inside front grader blades  
BTI-171031
- F** Solid Carbide Covered  
Inboard "Z-bar"  
BTI-729
- G** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-728
- H** Wear Resistant Broom Baffles  
BTI-742 (right)
- I** BTI-741 (left)
- J** Ballastik Broom Elements  
BTI-199138
- K** One-Piece Broom Clamp  
BTI-198845



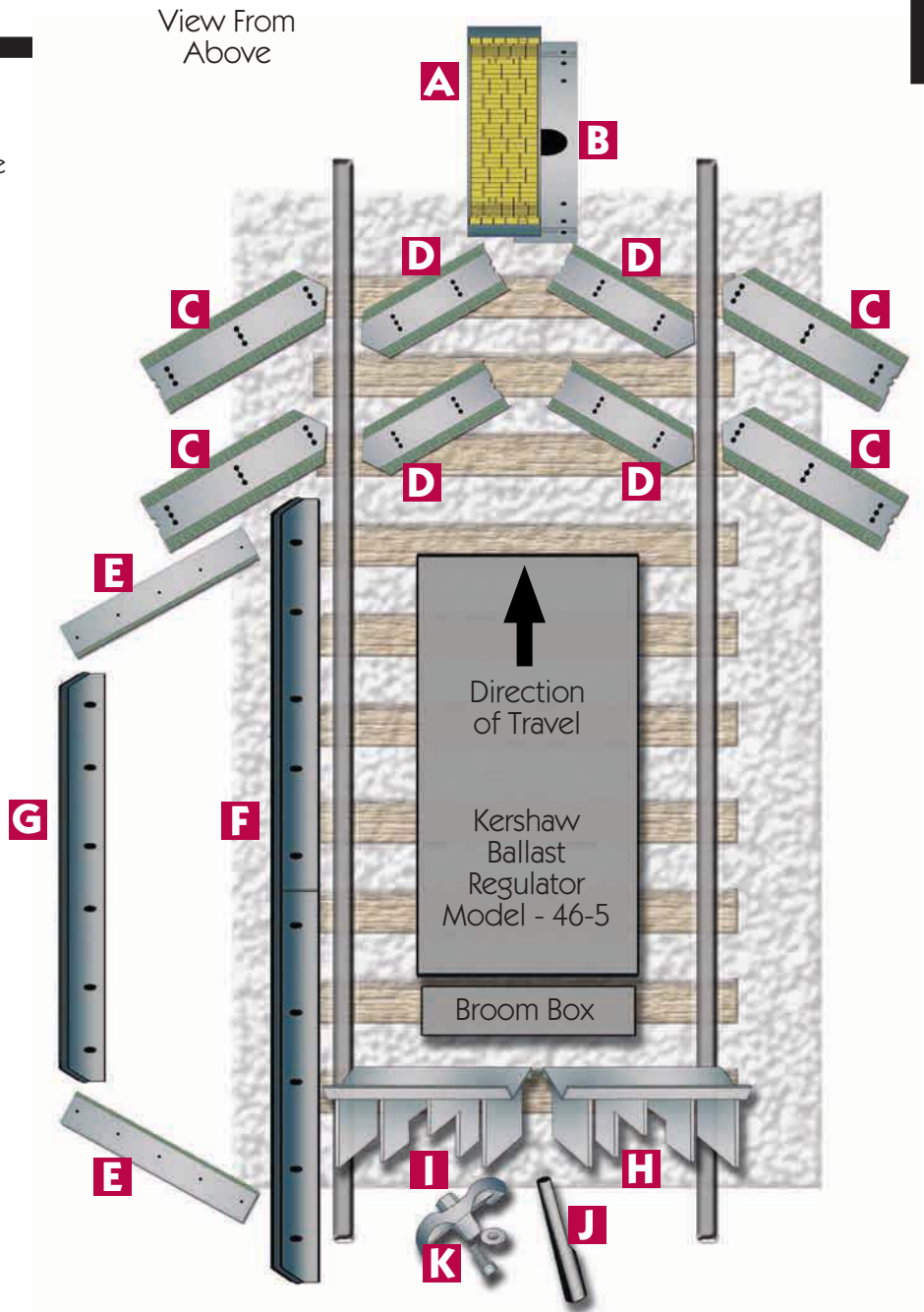
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# BTI Layout Fits Kershaw 46-5 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** TuffCarb™ Carbide  
Inside front grader blades  
BTI-171031
- F** Solid Carbide Covered  
Inboard "Z-bar"  
BTI-732
- G** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-731
- H** Wear Resistant Broom Baffles  
BTI-742 (right)
- I** BTI-741 (left)
- J** Ballastik Broom Elements  
BTI-199138
- K** One-Piece Broom Clamp  
BTI-198845



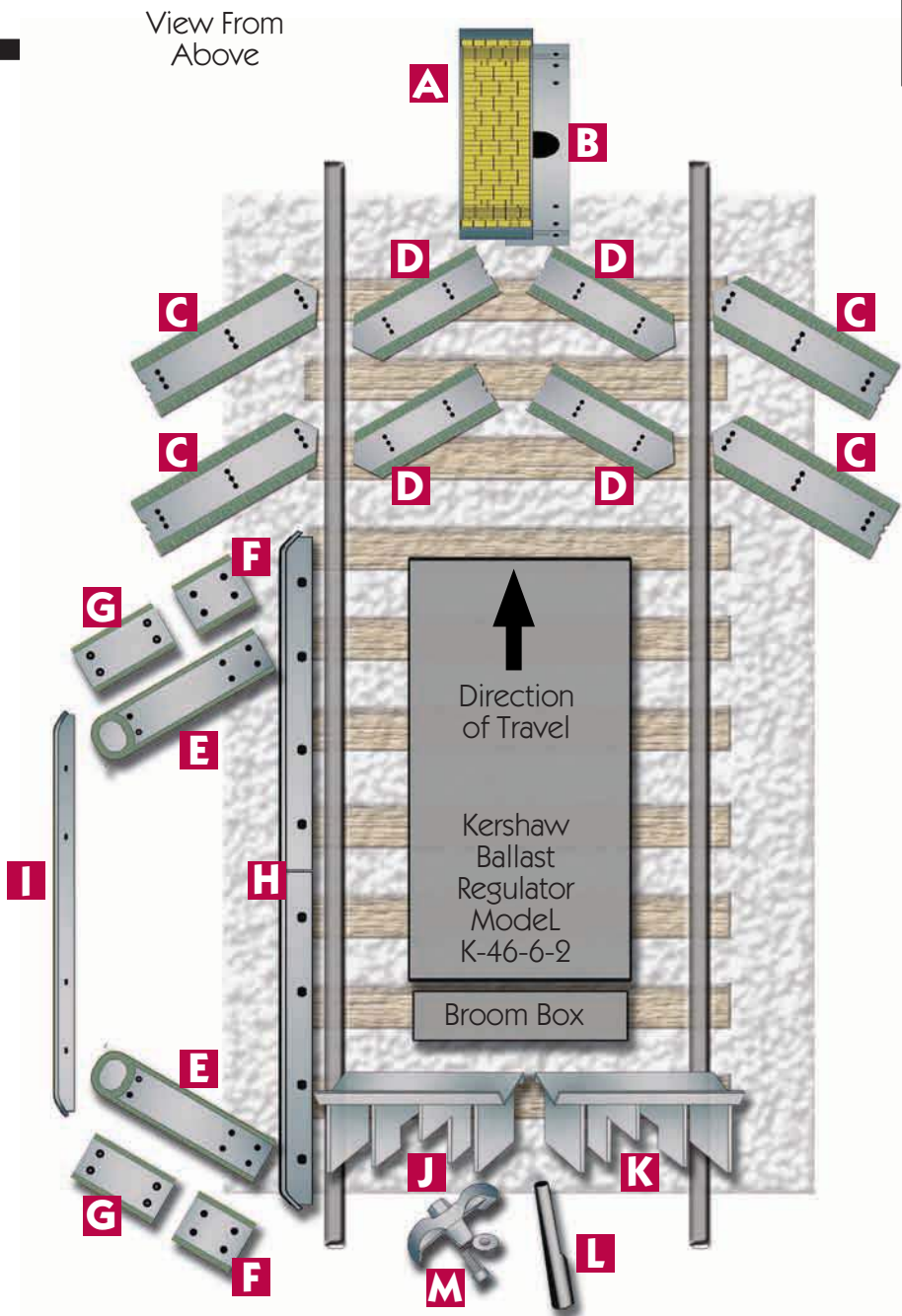
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# BTI Layout Fits Kershaw K-46-6-2 Articulating Wing Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** TuffCarb™ Carbide  
Inside front grader blades  
BTI-200526
- F** TuffCarb™ Carbide  
Outside grader blades  
BTI-200540
- G** TuffCarb™ Carbide  
Outside grader blades  
BTI-200535
- H** Solid Carbide Covered  
Inboard "Z-bar"  
BTI-729
- I** Solid Carbide Covered  
Outboard "Z-bar"  
BTI-728
- J** Wear Resistant Broom Baffles  
BTI-742 (right)
- K** BTI-741 (left)
- L** Ballastik Broom Elements  
BTI-199138
- M** One-Piece Broom Clamp  
BTI-198845



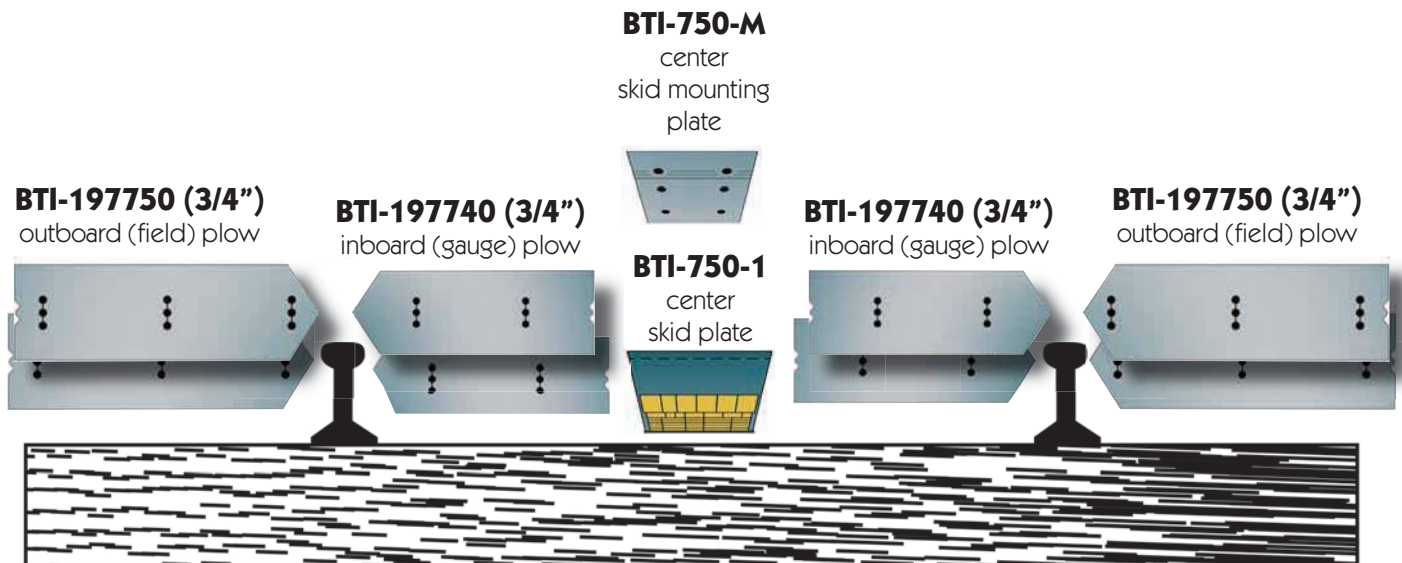
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## BTI Plow Blade Layout Fits Kershaw 26, 46, Fits Knox Kershaw 800 & 900 Series Ballast Regulator

BTI Plow Blades - Outboard (field) and  
Inboard (gauge) fits Kershaw Ballast Regulator  
Models 26, 46 fits Knox Kershaw Models 800  
and 900 Series

### WOOD TIES



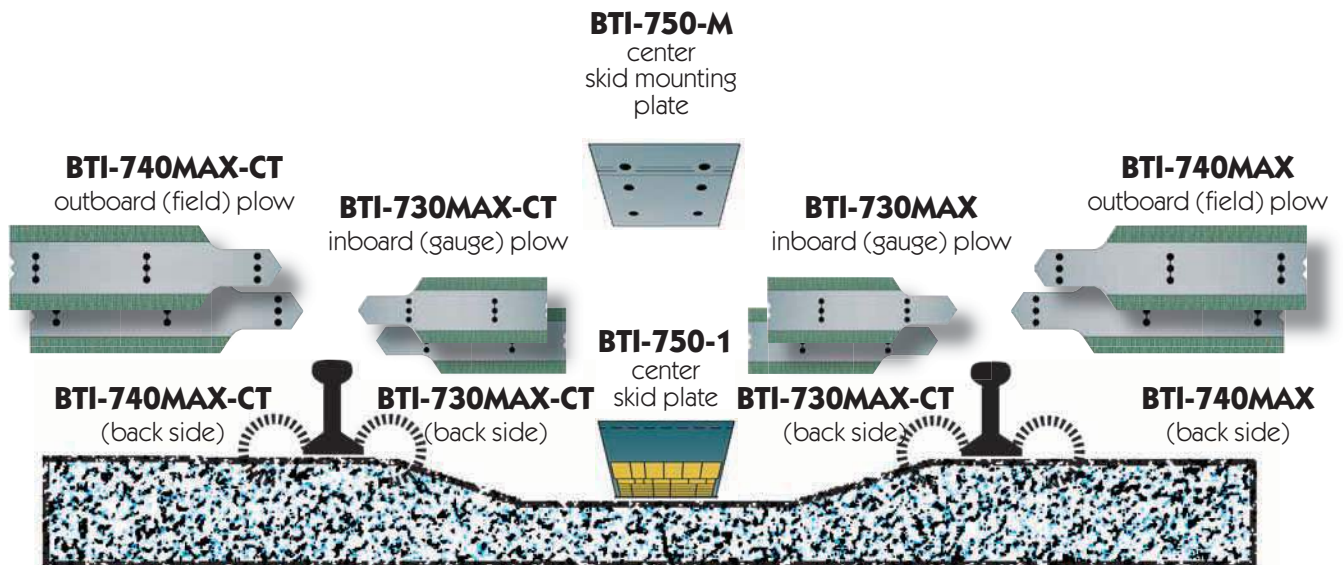
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# BTI Plow Blade Layout Fits Kershaw 26, 46, Fits Knox Kershaw 800 & 900 Series Ballast Regulator

BTI Plow Blades - Outboard (field) and Inboard (gauge) - (concrete ties) fits Kershaw Ballast Regulator Models 26, 46, fits Knox-Kershaw Ballast Models 800 and 900 Series

## CONCRETE TIES



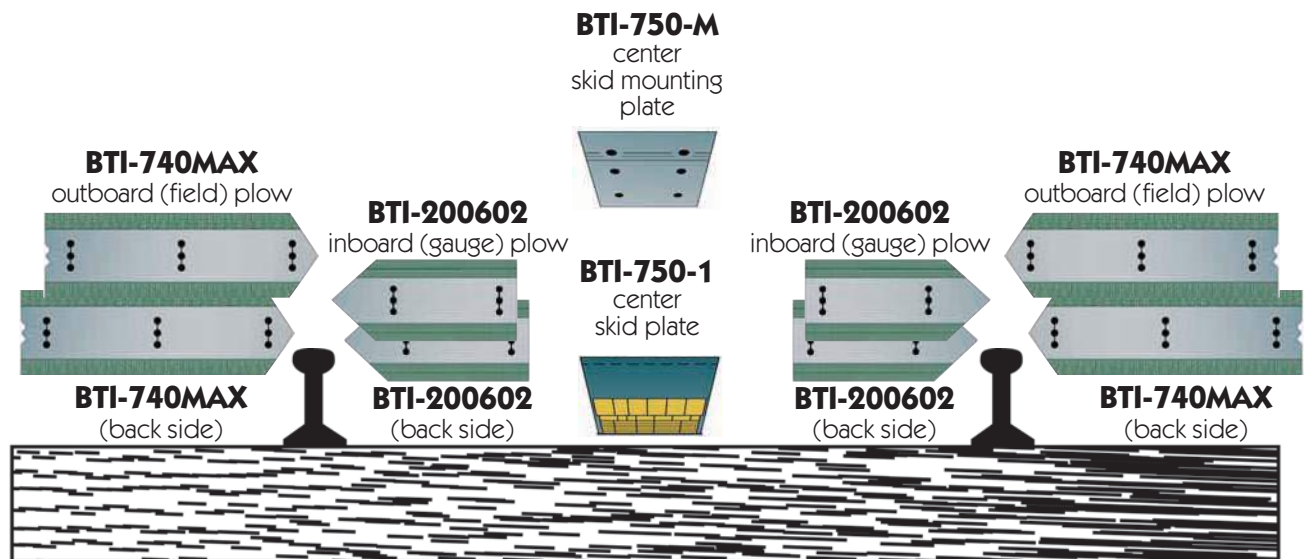
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Crystal City, MO 63019 USA  
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# BTI Plow Blade Layout Fits Knox Kershaw KBR-875, KBR-900 Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Knox Kershaw Models  
KBR-875, and KBR-900 Ballast Regulator

## WOOD TIES



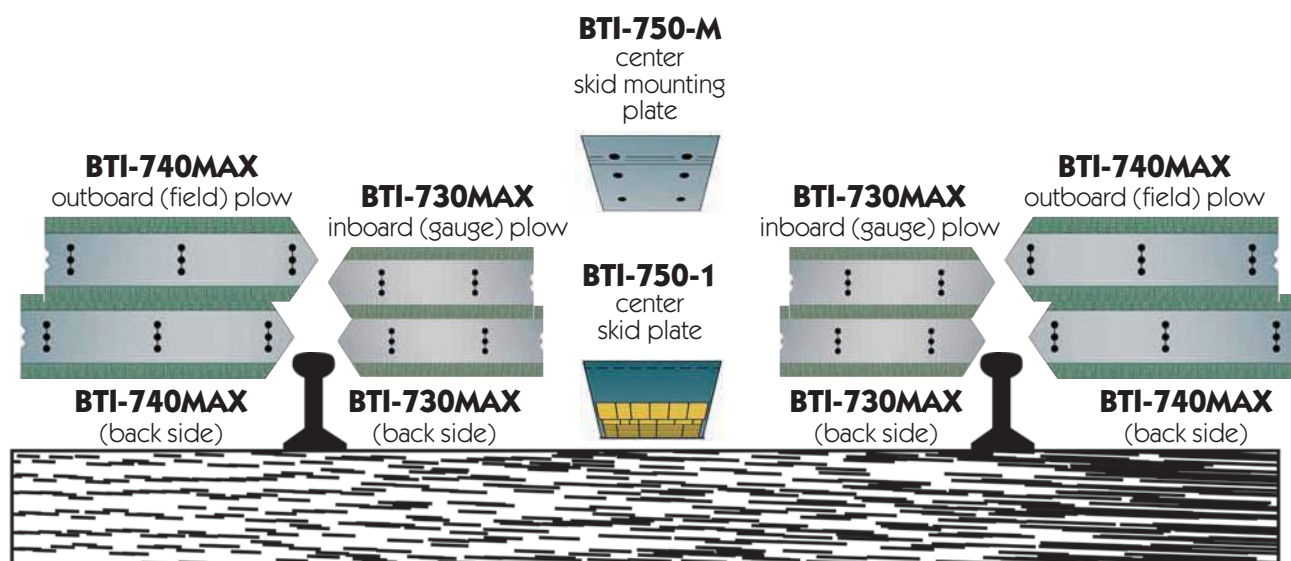
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# BTI Plow Blade Layout Fits Knox Kershaw KBR-850 Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Knox Kershaw  
Model KBR-850 Ballast Regulator

## WOOD TIES

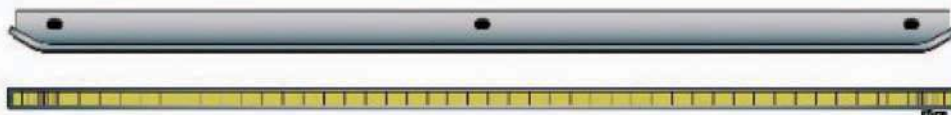


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## BTI-720

BTI Carbide Z Bar Outboard \* Fits  
Kershaw Ballast Regulator Model 26



### SPECIFICATIONS:

|         |                                           |          |
|---------|-------------------------------------------|----------|
| Height: | 3.00 in.                                  | 76 mm.   |
| Length: | 68.63 in.                                 | 1743 mm. |
| Width:  | 1.50 in.                                  | 38 mm.   |
| Weight: | 43.0 lb.                                  | 20 kg.   |
| OEM #:  | 207964, 581796, 740252, 207964C, 207961C, |          |

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# BTI-727

BTI Carbide Z Bar Inboard \* Fits  
Kershaw Ballast Regulator Model 26



## SPECIFICATIONS:

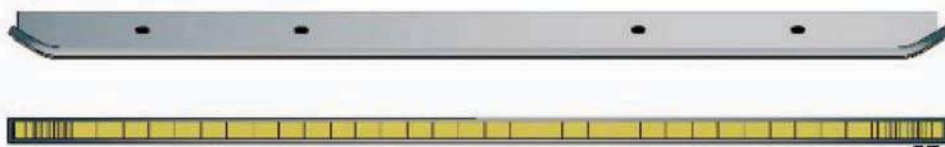
|         |                                         |          |
|---------|-----------------------------------------|----------|
| Length: | 135.13 in.                              | 3432 mm. |
| Height: | 3.00 in.                                | 76 mm.   |
| Width:  | 1.50 in.                                | 38 mm.   |
| Weight: | 83.0 lb.                                | 38 kg.   |
| OEM #:  | 207960, 207961, 207964, 740254, 702667, |          |

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## BTI-728

BTI Carbide Z Bar Outboard \* Fits  
Kershaw Ballast Regulator Model 46-2,  
46-6, K46-6-2



### SPECIFICATIONS:

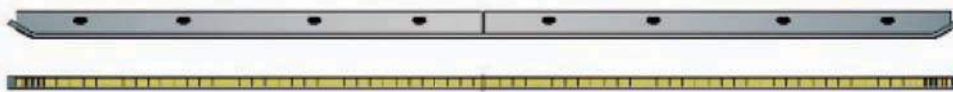
|         |                           |          |
|---------|---------------------------|----------|
| Height: | 3.00 in.                  | 76 mm.   |
| Length: | 54.00 in.                 | 1372 mm. |
| Width:  | 1.50 in.                  | 38 mm.   |
| Weight: | 33.5 lb.                  | 15 kg.   |
| OEM #:  | 223418, 740255, 20023584, |          |

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## BTI-729

BTI Carbide Z Bar Inboard \* Fits  
Kershaw Ballast Regulator Model 46-2,  
46-6, K46-6-2



### SPECIFICATIONS:

|         |                          |          |
|---------|--------------------------|----------|
| Height: | 3.00 in.                 | 76 mm.   |
| Length: | 108.00 in.               | 2743 mm. |
| Width:  | 1.50 in.                 | 38 mm.   |
| Weight: | 66.0 lb.                 | 30 kg.   |
| OEM #:  | 223418A, 740256, 223418, |          |

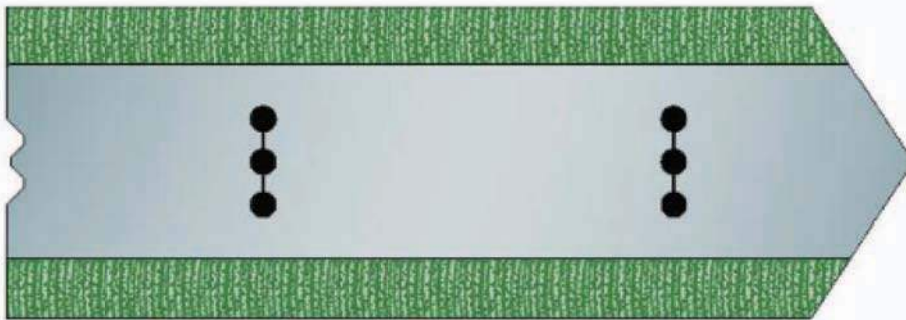
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## BTI-730MAX

BTI TuffCarb 2 Hole Plow Blade \*Fits  
Kershaw All Models All Regulators \*Fits  
Knox Kersaw

KBR-850 ONLY



### SPECIFICATIONS:

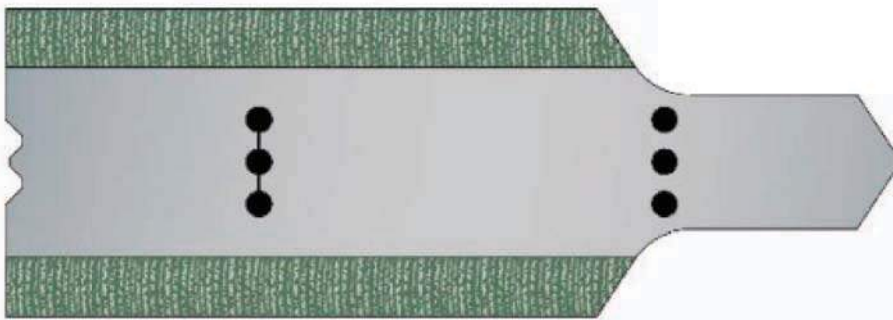
|         |                                  |         |
|---------|----------------------------------|---------|
| Height: | 9.00 in.                         | 229 mm. |
| Length: | 26.50 in.                        | 673 mm. |
| Width:  | 0.75 in.                         | 19 mm.  |
| Weight: | 50.6 lb.                         | 23 kg.  |
| OEM #:  | 9015531, 116657, 194486, 155153, |         |

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## BTI-730MAX-CT

BTI TuffCarb 2 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulator Fits Knox Kershaw -KBR-  
850 ONLY



### SPECIFICATIONS:

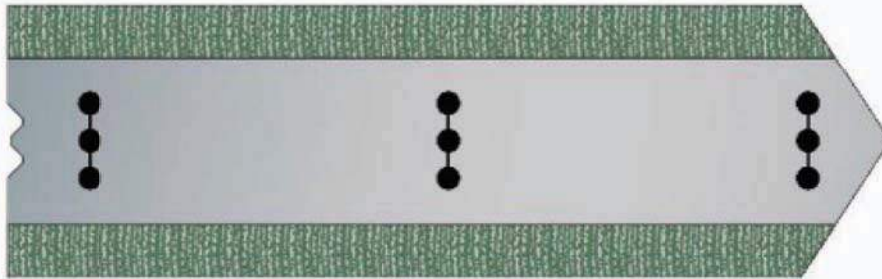
|         |                 |         |
|---------|-----------------|---------|
| Height: | 9.00 in.        | 229 mm. |
| Length: | 26.50 in.       | 673 mm. |
| Width:  | 0.75 in.        | 19 mm.  |
| Weight: | 50.0 lb.        | 23 kg.  |
| OEM #:  | 116656, 194485, |         |

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## BTI-740MAX

BTI TuffCarb 3 Hole Plow Blade \* Fits  
Kershaw All Models All Regulators Fits  
Knox Kershaw - KBR-850



### SPECIFICATIONS:

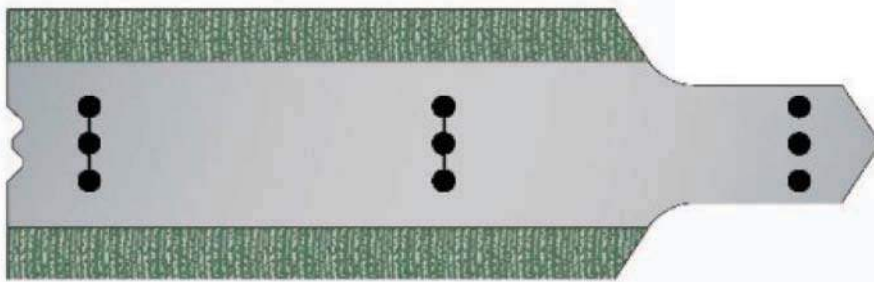
|         |                                                         |         |
|---------|---------------------------------------------------------|---------|
| Height: | 9.00 in.                                                | 229 mm. |
| Length: | 29.50 in.                                               | 749 mm. |
| Weight: | 55.5 lb.                                                | 25 kg.  |
| OEM #:  | 9015532, 116656, 194485, 9001087<br>9011359, 043683037, |         |

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## BTI-740MAX-CT

BTI TuffCarb 3 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulators Fits Knox Kershaw - KBR -  
850 ONLY



### SPECIFICATIONS:

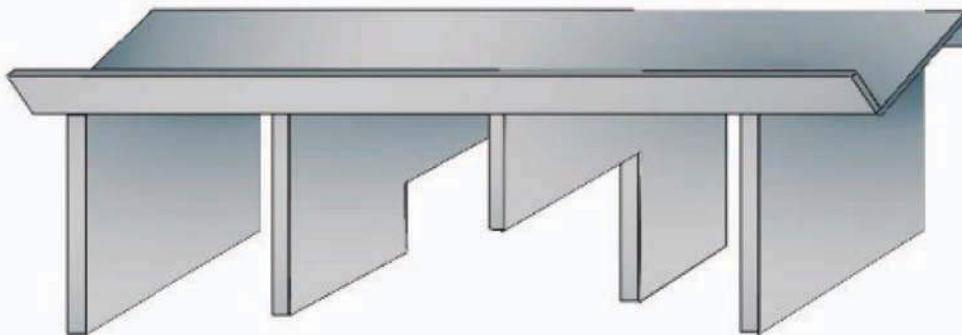
|         |                          |         |
|---------|--------------------------|---------|
| Height: | 9.00 in.                 | 229 mm. |
| Length: | 29.50 in.                | 749 mm. |
| Width:  | 0.75 in.                 | 19 mm.  |
| Weight: | 55.5 lb.                 | 25 kg.  |
| OEM #:  | 116656, 194485, 9001087, |         |

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## BTI-741

BTI Wear Resistant Broom Baffle (Left) \*  
Fits Kershaw Ballast Regulator - Models  
26 and 46



### SPECIFICATIONS:

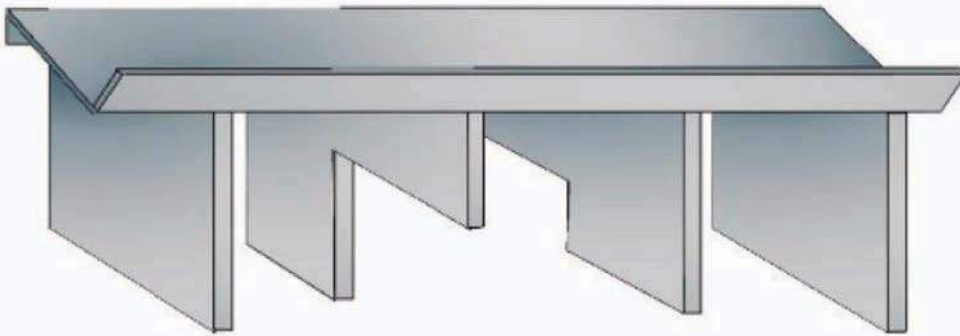
|         |                             |          |
|---------|-----------------------------|----------|
| Height: | 16.00 in.                   | 406 mm.  |
| Length: | 56.00 in.                   | 1422 mm. |
| Width:  | 24.00 in.                   | 610 mm.  |
| Weight: | 200.0 lb.                   | 91 kg.   |
| OEM #:  | 173562, 035282, 1034400992, |          |

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## BTI-742

BTI Wear Resistant Broom Baffle (Right)  
\* Fits Kershaw Ballast Regulator Models  
26 and 46



### SPECIFICATIONS:

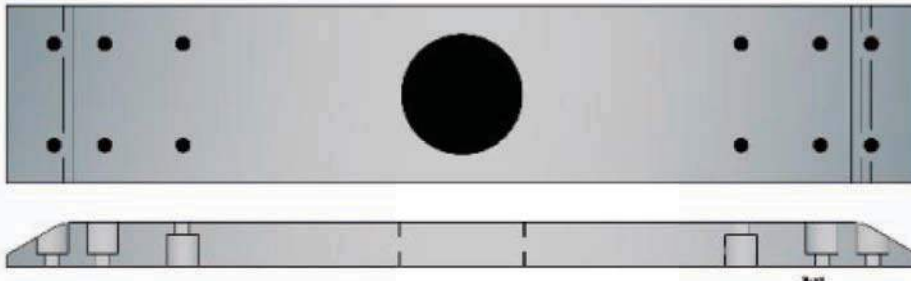
|         |                           |          |
|---------|---------------------------|----------|
| Height: | 16.00 in.                 | 406 mm.  |
| Length: | 56.00 in.                 | 1422 mm. |
| Width:  | 24.00 in.                 | 610 mm.  |
| Weight: | 200.0 lb.                 | 91 kg.   |
| OEM #:  | 173563, 035276, 10344001, |          |

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## BTI-750-M

BTI Steel Alloy Bolt-on Skid Mounting  
Plate \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

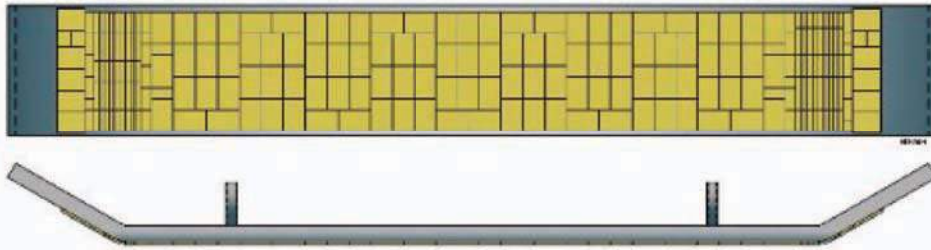
Length: 36.00 in. 914 mm.  
Width: 7.00 in. 178 mm.  
Weight: 109.0 lb. 49 kg.  
OEM #: 9031939, 147473M, 505-4137-0, 147473,  
147473(A),

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## BTI-750-1

BTI Carbide Front Skid Shoe Regular  
Style \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

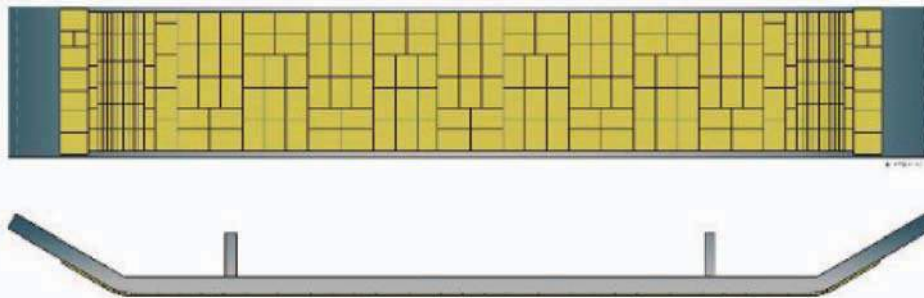
Length: 42.00 in. 1067 mm.  
Width: 6.00 in. 152 mm.  
Weight: 71.0 lb. 32 kg.  
OEM #: 9001236C, 176386, 109617, 109617A  
109617B, 740253,

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## BTI-750-1-7

BTI Carbide Front Skid Shoe Wide Style  
\* Fits Kershaw Models 26 and 46  
Ballast Regulator



### SPECIFICATIONS:

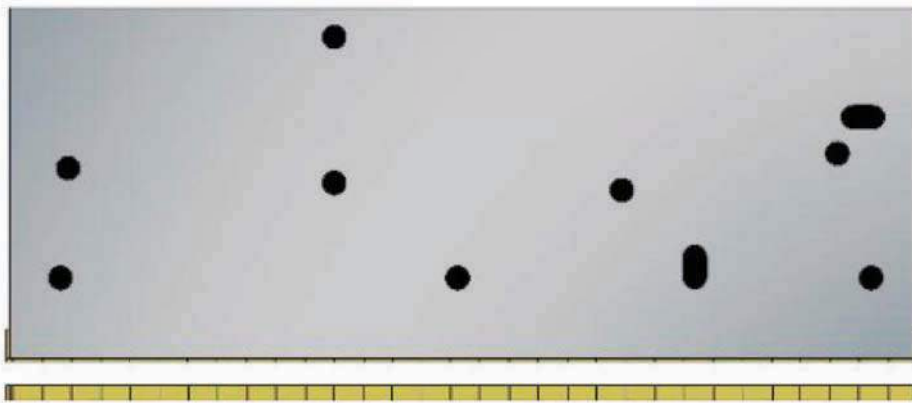
|         |                                            |          |
|---------|--------------------------------------------|----------|
| Height: | 0.75 in.                                   | 19 mm.   |
| Length: | 42.00 in.                                  | 1067 mm. |
| Width:  | 7.00 in.                                   | 178 mm.  |
| Weight: | 83.0 lb.                                   | 38 kg.   |
| OEM #:  | 9031952, 176386, 109617, 109617A, 109617B, |          |

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# BTI-170981

BTI Carbide Toe Line Template \* Fits  
Kershaw Ballast Regulator Model 26



## SPECIFICATIONS:

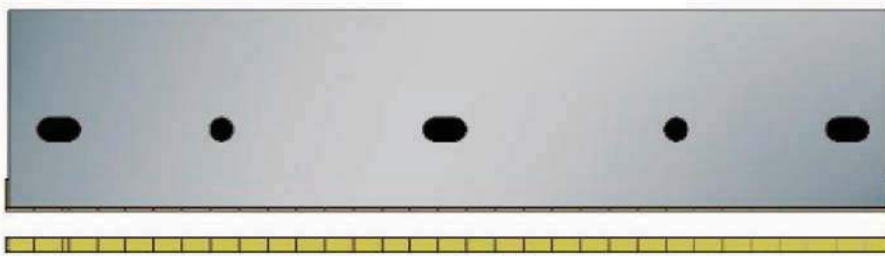
|         |           |         |
|---------|-----------|---------|
| Height: | 12.00 in. | 305 mm. |
| Length: | 31.00 in. | 787 mm. |
| Width:  | 0.50 in.  | 13 mm.  |
| Weight: | 53.0 lb.  | 24 kg.  |
| OEM #:  | 044864,   |         |

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# BTI-170991

BTI Carbide Toe Line Plow Blade \* Fits  
Kershaw Ballast Regulator Model 26



## SPECIFICATIONS:

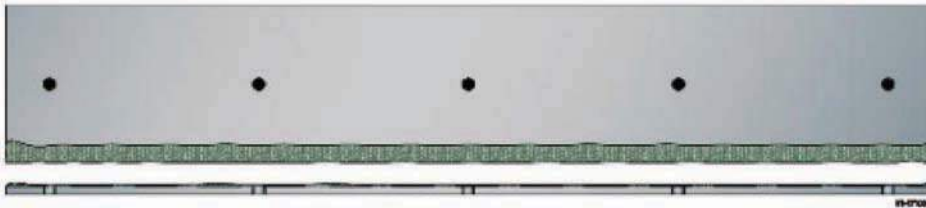
|         |                 |         |
|---------|-----------------|---------|
| Height: | 7.00 in.        | 178 mm. |
| Length: | 31.00 in.       | 787 mm. |
| Width:  | 0.50 in.        | 13 mm.  |
| Weight: | 32.0 lb.        | 15 kg.  |
| OEM #:  | 044872, 044873, |         |

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# BTI-171031

BTI TuffCarb 5 Hole Plow Blade (Inside Front) \* Fits Kershaw Ballast Regulator 46-1, -2, -5, -6 Models



## SPECIFICATIONS:

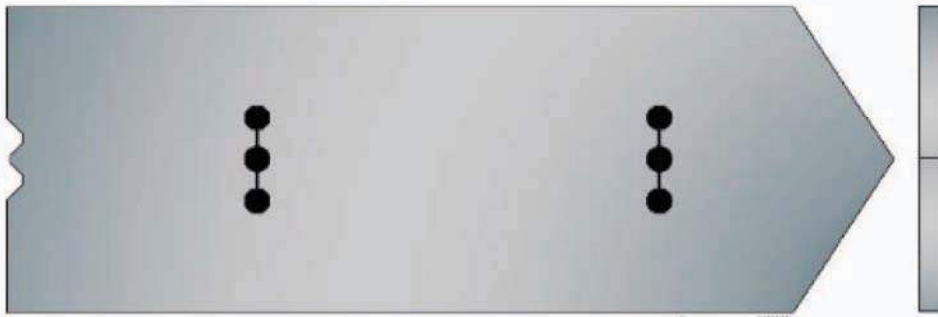
|         |                 |          |
|---------|-----------------|----------|
| Height: | 9.00 in.        | 229 mm.  |
| Length: | 53.00 in.       | 1346 mm. |
| Width:  | 0.50 in.        | 13 mm.   |
| Weight: | 72.0 lb.        | 33 kg.   |
| OEM #:  | 218508, 147626, |          |

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# BTI-197740

BTI Wear Resistant 2 Hole Plow Blade \*  
Fits Kershaw Ballast Regulator



## SPECIFICATIONS:

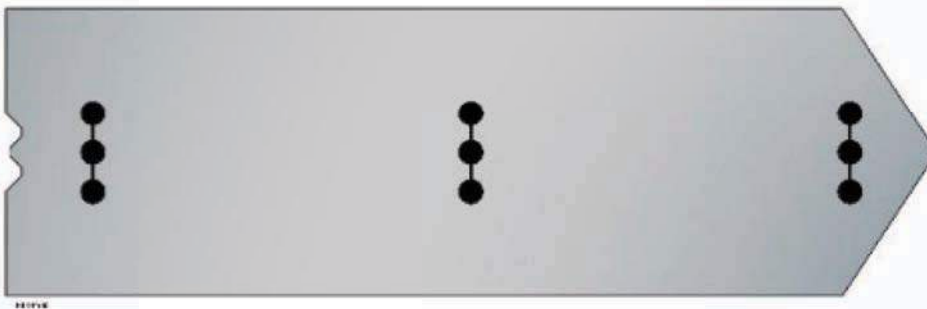
|         |                |         |
|---------|----------------|---------|
| Height: | 9.00 in.       | 229 mm. |
| Length: | 26.50 in.      | 673 mm. |
| Width:  | 0.75 in.       | 19 mm.  |
| Weight: | 48.0 lb.       | 22 kg.  |
| OEM #:  | 194486, 11657, |         |

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## BTI-197750

BTI Wear Resistant 3 Hole Plow Blade \*  
Fits Kershaw Ballast Regulator



### SPECIFICATIONS:

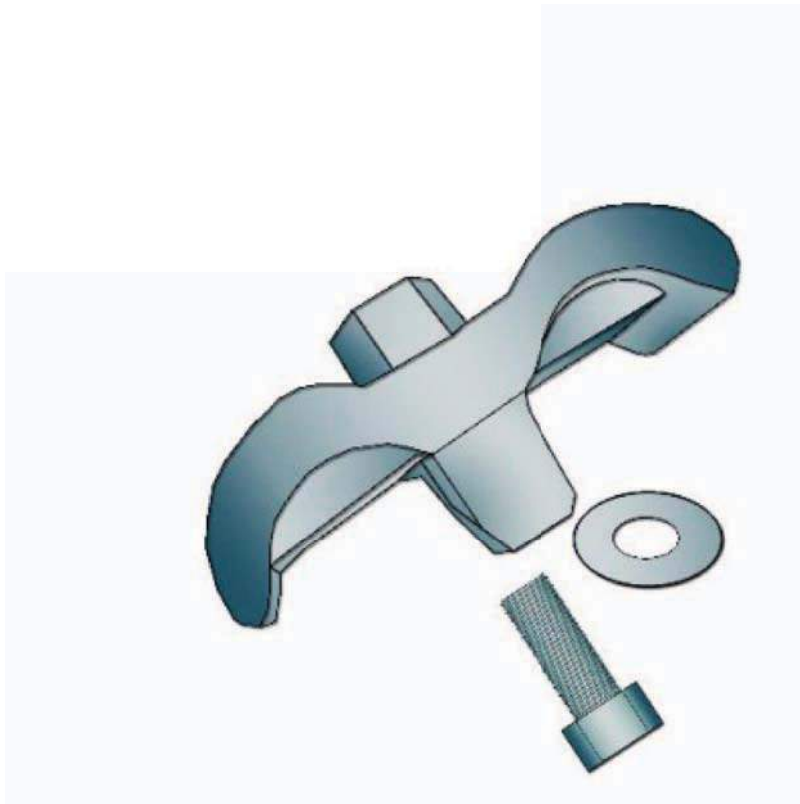
|         |                |         |
|---------|----------------|---------|
| Height: | 9.00 in.       | 229 mm. |
| Length: | 29.50 in.      | 749 mm. |
| Width:  | 0.75 in.       | 19 mm.  |
| Weight: | 54.0 lb.       | 24 kg.  |
| OEM #:  | 194485, 11656, |         |

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# BTI-198845

BTI One Piece Broom Element Clamp \*  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

|         |          |         |
|---------|----------|---------|
| Length: | 5.00 in. | 127 mm. |
| Width:  | 3.00 in. | 76 mm.  |
| Weight: | 1.9 lb.  | 1 kg.   |
| OEM #:  |          |         |

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# BTI-199138

BTI High Performance Broom Element  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

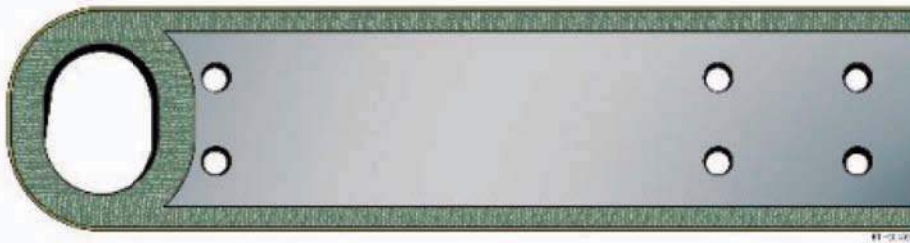
|            |           |         |
|------------|-----------|---------|
| Flare:     | 2.76 in.  | 70 mm.  |
| Width:     | 1.81 in.  | 46 mm.  |
| Weight:    | 2.5 lb.   | 1 kg.   |
| Length:    | 17.50 in. | 445 mm. |
| Mount Dia: | 1.97 in.  | 50 mm.  |
| OEM #:     | n/a,      |         |

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# BTI-200526

BTI TuffCarb Rail Grader Blade \* Fits  
Kershaw Ballast Regulator Model K-46-  
6-2



## SPECIFICATIONS:

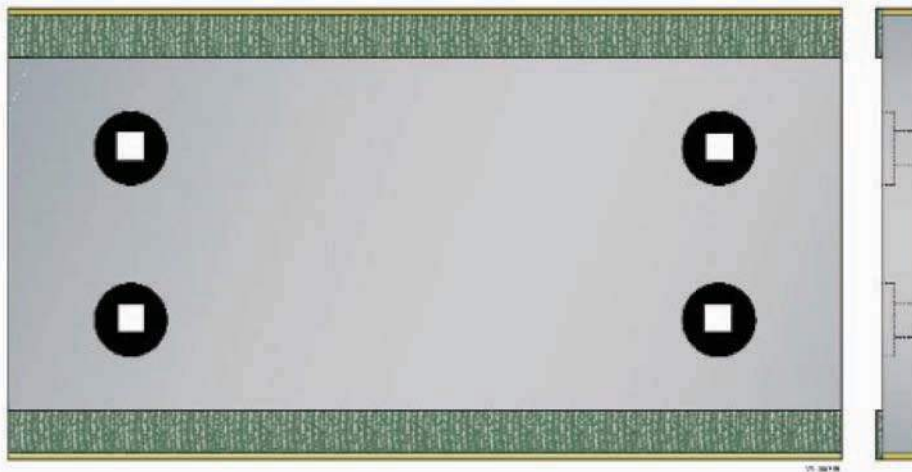
|         |           |         |
|---------|-----------|---------|
| Height: | 9.00 in.  | 229 mm. |
| Length: | 37.63 in. | 956 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 71.0 lb.  | 32 kg.  |
| OEM #:  | 224212,   |         |

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# BTI-200535

BTI TuffCarb Field Grader Blade \* Fits  
Kershaw Ballast Regulator Model K-46-  
6-2



## SPECIFICATIONS:

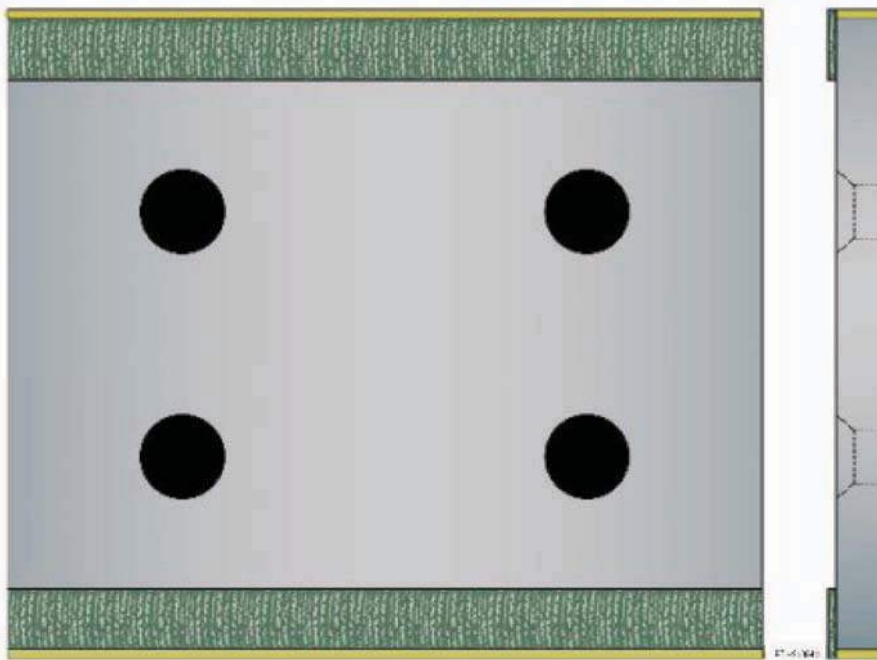
|         |           |         |
|---------|-----------|---------|
| Height: | 9.00 in.  | 229 mm. |
| Length: | 17.00 in. | 432 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 34.5 lb.  | 16 kg.  |
| OEM #:  | 224186,   |         |

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# BTI-200540

BTI TuffCarb Field Grader Blade \* Fits  
Kershaw Ballast Regulator Model K-46-  
6-2



## SPECIFICATIONS:

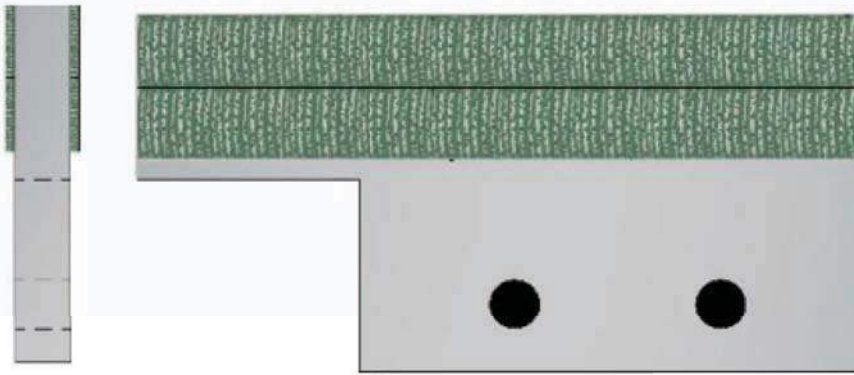
|         |           |         |
|---------|-----------|---------|
| Height: | 9.00 in.  | 229 mm. |
| Length: | 10.75 in. | 273 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 21.0 lb.  | 10 kg.  |
| OEM #:  | 224187,   |         |

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# BTI-200611

BTI TuffCarb Plow Blade \* Fits Knox  
Kershaw Regulator Model KBR-850, 875  
and 900



## SPECIFICATIONS:

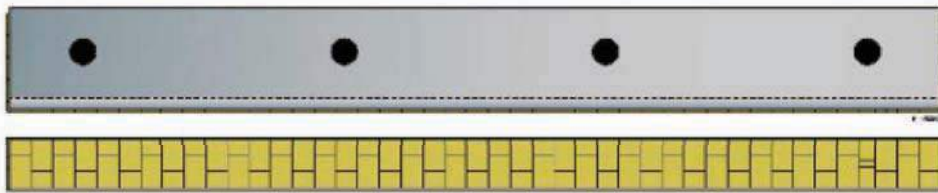
|         |                     |         |
|---------|---------------------|---------|
| Height: | 4.80 in.            | 122 mm. |
| Length: | 9.90 in.            | 251 mm. |
| Width:  | 0.75 in.            | 19 mm.  |
| Weight: | 9.3 lb.             | 4 kg.   |
| OEM #:  | 9001399, 043186877, |         |

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## BTI-200900

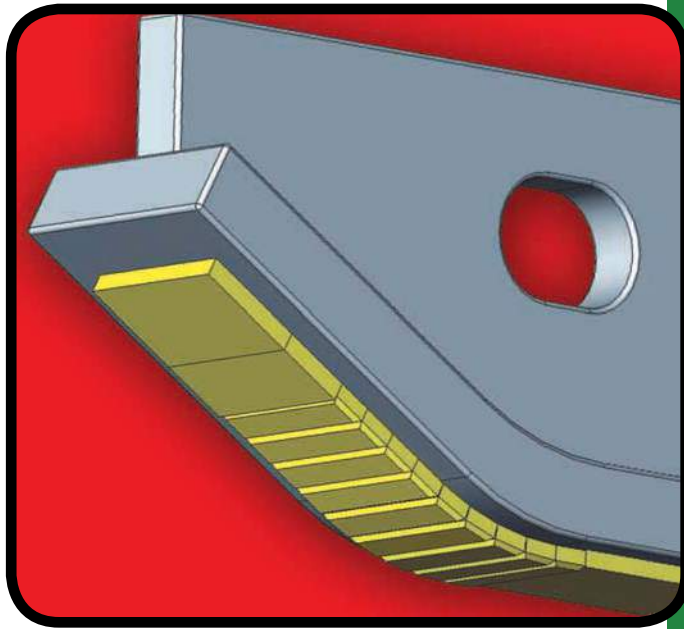
BTI Carbide Z Bar \* Fits Knox Kershaw  
Regulator Model KBR-875



### SPECIFICATIONS:

|         |                  |          |
|---------|------------------|----------|
| Height: | 4.63 in.         | 118 mm.  |
| Length: | 42.75 in.        | 1086 mm. |
| Width:  | 2.50 in.         | 64 mm.   |
| Weight: | 45.5 lb.         | 21 kg.   |
| OEM #:  | 9031953, 900747, |          |

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## **Knox Kershaw**

Ballast Regulators



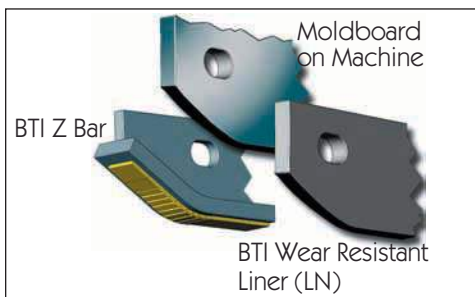
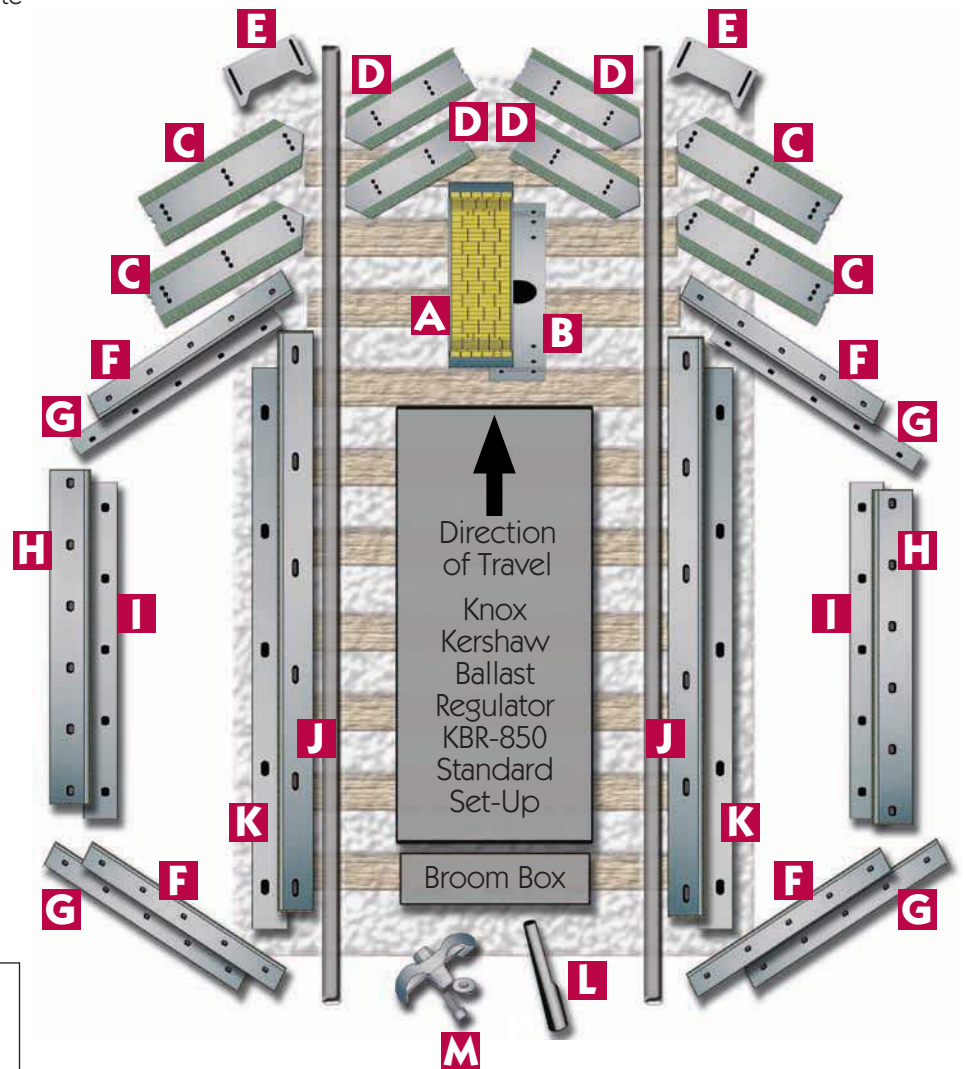


# BTI Layout Fits Knox Kershaw KBR-850 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid Carbide covered skid plate  
BTI-750-1
- B** Steel alloy, bolt-on skid mounting plate  
BTI-750-M
- C** TuffCarb™ Carbide  
Outboard front plow blades  
BTI-740MAX
- D** TuffCarb™ Carbide  
Inside front plow blades  
BTI-730MAX
- E** BTI-195117
- F** "Z-bar" BTI-198815
- G** "Z-bar" Liner BTI-198815-LN
- H** "Z-bar" BTI-198820
- I** "Z-bar" Liner BTI-198820-LN
- J** "Z-bar" BTI-198810
- K** "Z-bar" Liner BTI-198810-LN
- L** Ballastik Broom Elements  
BTI-199138
- M** One-Piece Broom Clamp  
BTI-198845

View From  
Above



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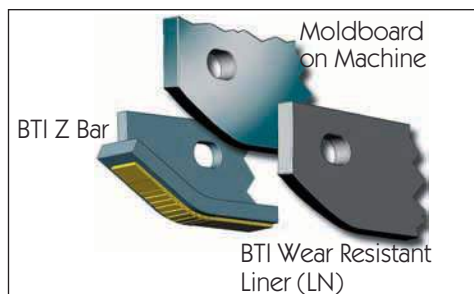
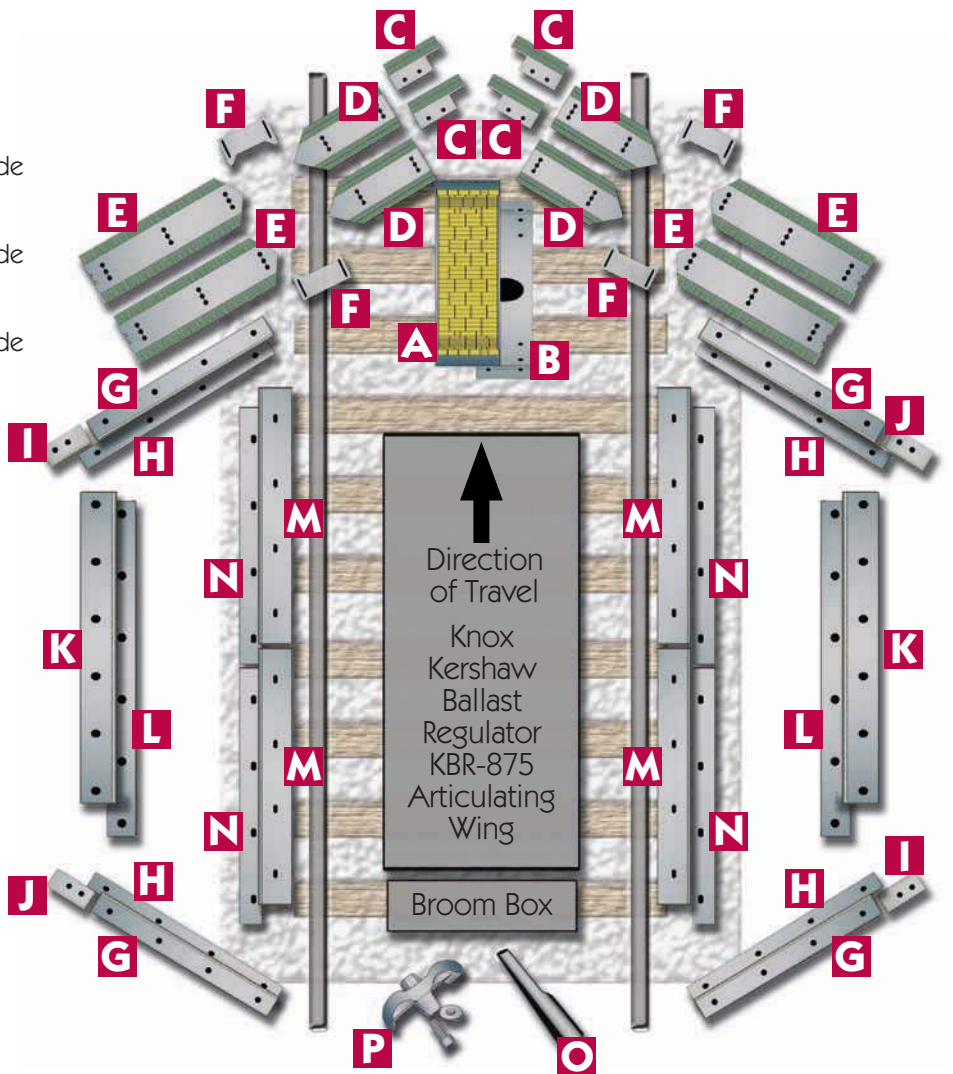


# BTI Layout Fits Knox Kershaw KBR-875 Articulating Wing Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid carbide covered front tie jumper skid shoe BTI-750-1
- B** Steel alloy, bolt-on tie jumper mounting plate BTI-750-M
- C** TuffCarb™ carbide covered plow blade BTI-200611
- D** TuffCarb™ carbide covered plow blade (2-hole) BTI-200602
- E** TuffCarb™ carbide covered plow blade (3-hole) BTI-740-MAX
- F** TuffCarb™ slotted plow blade BTI-195117
- G** "Z-bar" BTI-200900
- H** "Z-bar" Liner BTI-200900-LN
- I** Carbide protected shoulder section BTI-200905-LH (left)
- J** Carbide protected shoulder section BTI-200905-RH (right)
- K** "Z-bar" BTI-201073
- L** "Z-bar" Liner BTI-201073-LN
- M** "Z-bar" BTI-201065
- N** "Z-bar" Liner BTI-201065-LN
- O** Ballastik Broom Elements BTI-199138
- P** One-Piece Broom Clamp BTI-198845

View From Above



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# BTI Layout

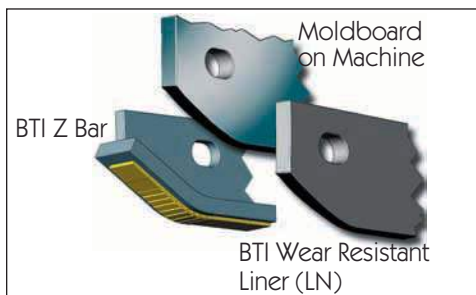
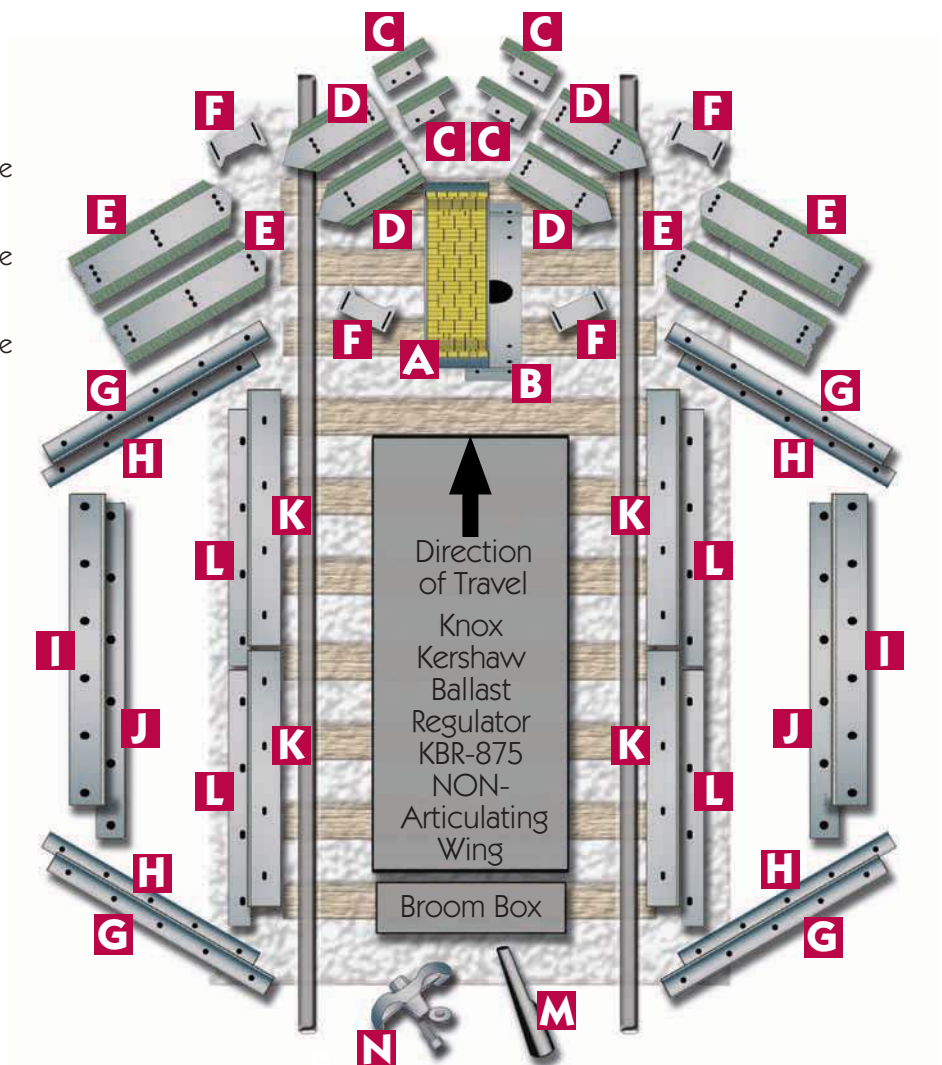
## Fits Knox Kershaw KBR-875

### NON-Articulating Wing Ballast Regulator

#### BTI PART IDENTIFICATIONS:

- A** Solid carbide covered front tie jumper skid shoe BTI-750-1
- B** Steel alloy, bolt-on tie jumper mounting plate BTI-750-M
- C** TuffCarb™ carbide covered plow blade BTI-200611
- D** TuffCarb™ carbide covered plow blade (2-hole) BTI-200602
- E** TuffCarb™ carbide covered plow blade (3-hole) BTI-740-MAX
- F** Slotted plow blade BTI-195117
- G** "Z-bar" BTI-300016
- H** "Z-bar" Liner BTI-300016-LN
- I** "Z-bar" BTI-201073
- J** "Z-bar" Liner BTI-201073-LN
- K** "Z-bar" BTI-201065
- L** "Z-bar" Liner BTI-201065-LN
- M** Ballastik Broom Elements BTI-199138
- N** One-Piece Broom Clamp BTI-198845

View From Above



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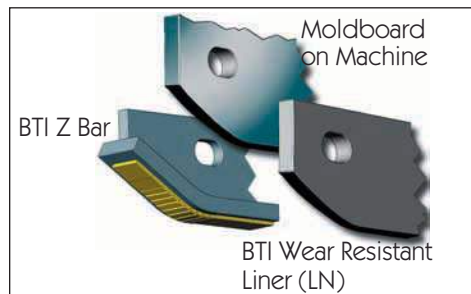
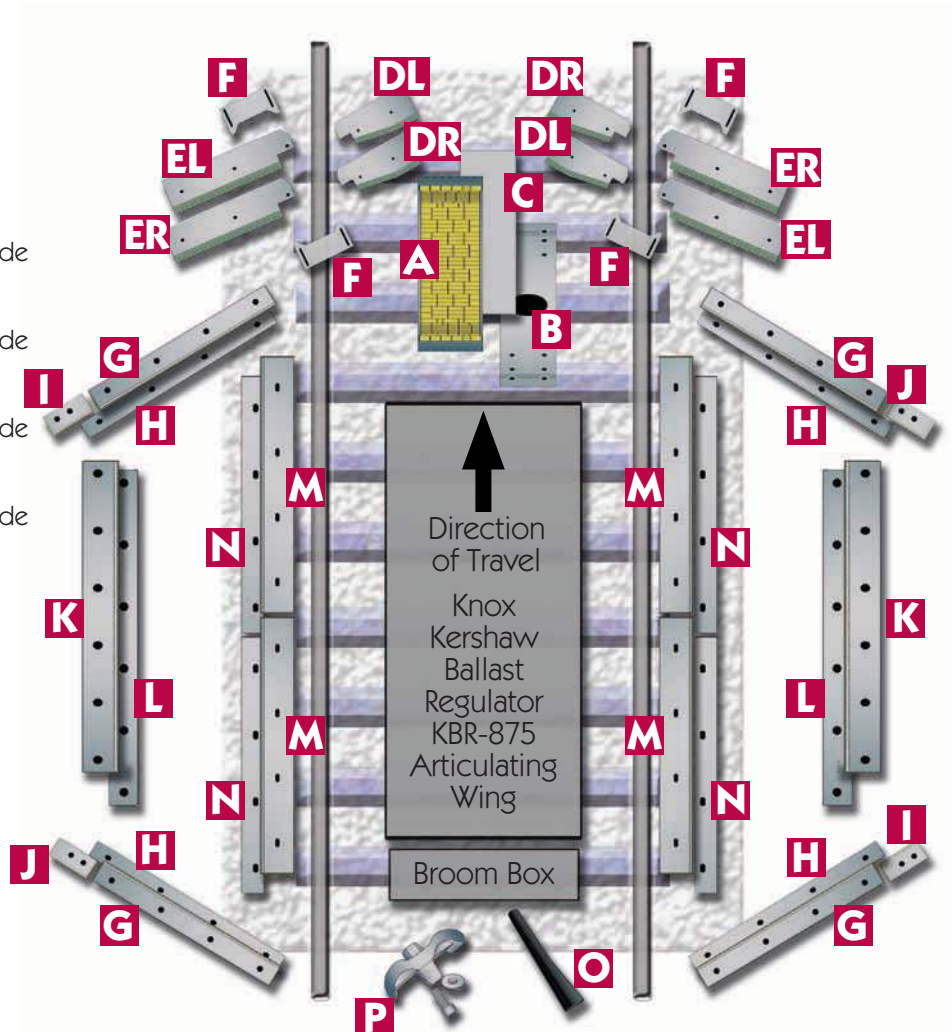
# BTI Layout Fits Knox Kershaw KBR-875 Articulating Wing Ballast Regulator

Special Layout, Concrete (AMTRAK Only)

## BTI PART IDENTIFICATIONS:

- A** Solid carbide covered front tie jumper skid shoe BTI-750-1
- B** Steel alloy, bolt-on tie jumper mounting plate BTI-750-M
- C** Skid mount 4" spacer for KBR-875 (for concrete only) BTI-300109
- DL** TuffCarb™ carbide covered plow blade (2-hole) BTI-201041-L
- DR** TuffCarb™ carbide covered plow blade (2-hole) BTI-201041-R
- EL** TuffCarb™ carbide covered plow blade (3-hole) BTI-201060-L
- ER** TuffCarb™ carbide covered plow blade (3-hole) BTI-201060-R
- F** TuffCarb™ slotted plow blade BTI-195117
- G** "Z-bar" BTI-200900
- H** "Z-bar" Liner BTI-200900-LN
- I** Carbide protected shoulder section BTI-200905-LH (left)
- J** Carbide protected shoulder section BTI-200905-RH (right)
- K** "Z-bar" BTI-201073
- L** "Z-bar" Liner BTI-201073-LN
- M** "Z-bar" BTI-201065
- N** "Z-bar" Liner BTI-201065-LN
- O** Ballastik Broom Elements BTI-199138
- P** One-Piece Broom Clamp BTI-198845

View From  
Above



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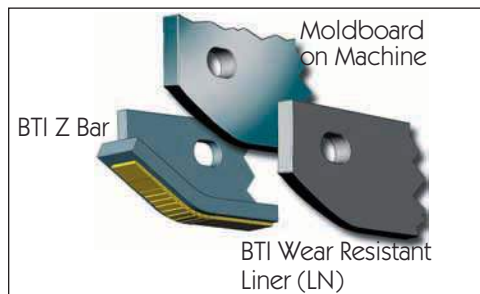
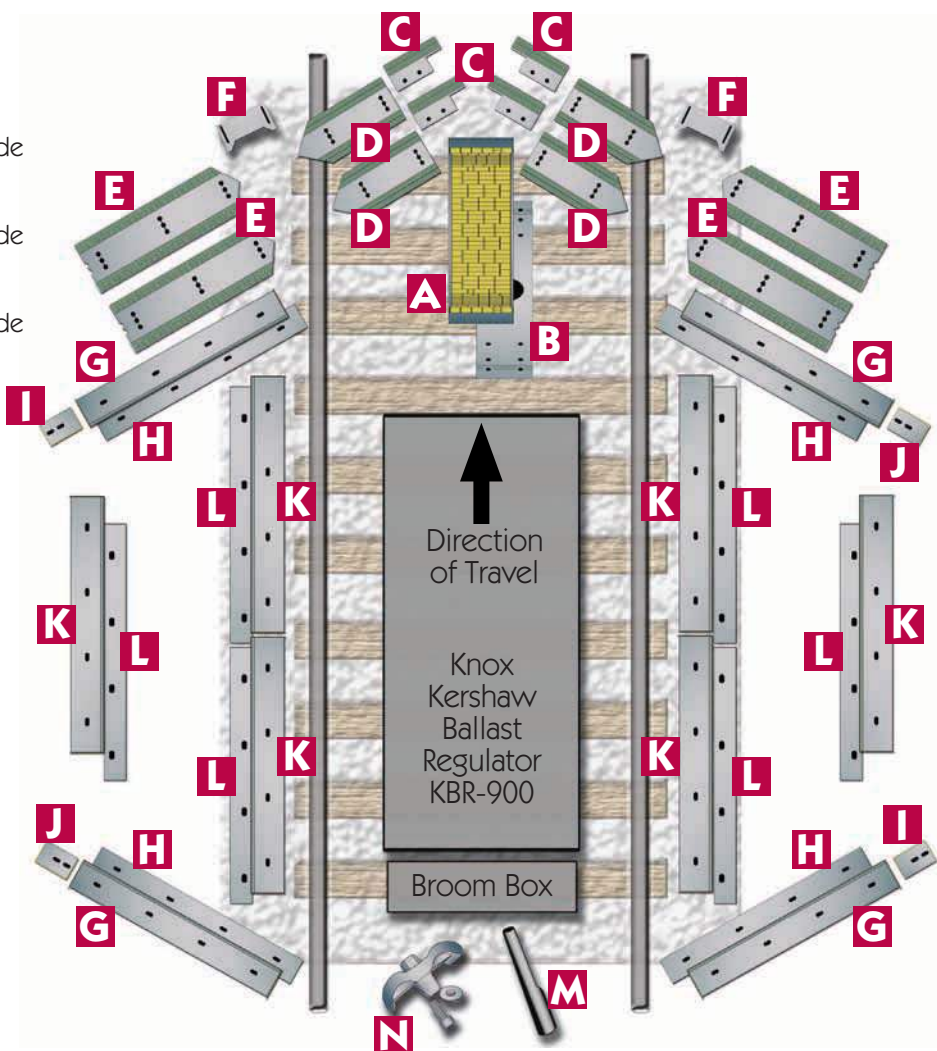


# BTI Layout Fits Knox Kershaw KBR-900 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Solid carbide covered front tie jumper skid shoe BTI-750-1
- B** Steel alloy, bolt-on tie jumper mounting plate BTI-750-M
- C** TuffCarb™ carbide covered plow blade BTI-200611
- D** TuffCarb™ carbide covered plow blade (2-hole) BTI-200602
- E** TuffCarb™ carbide covered plow blade (3-hole) BTI-740-MAX
- F** TuffCarb™ slotted plow blade BTI-195117
- G** "Z-bar" BTI-195123
- H** "Z-bar" Liner BTI-195123-LN
- I** Carbide protected shoulder section BTI-196189 (right)
- J** Carbide protected shoulder section BTI-196187 (left)
- K** "Z-bar" BTI-195119
- L** "Z-bar" Liner BTI-195119-LN
- M** Ballastik Broom Elements BTI-199138
- N** One-Piece Broom Clamp BTI-198845

View From Above



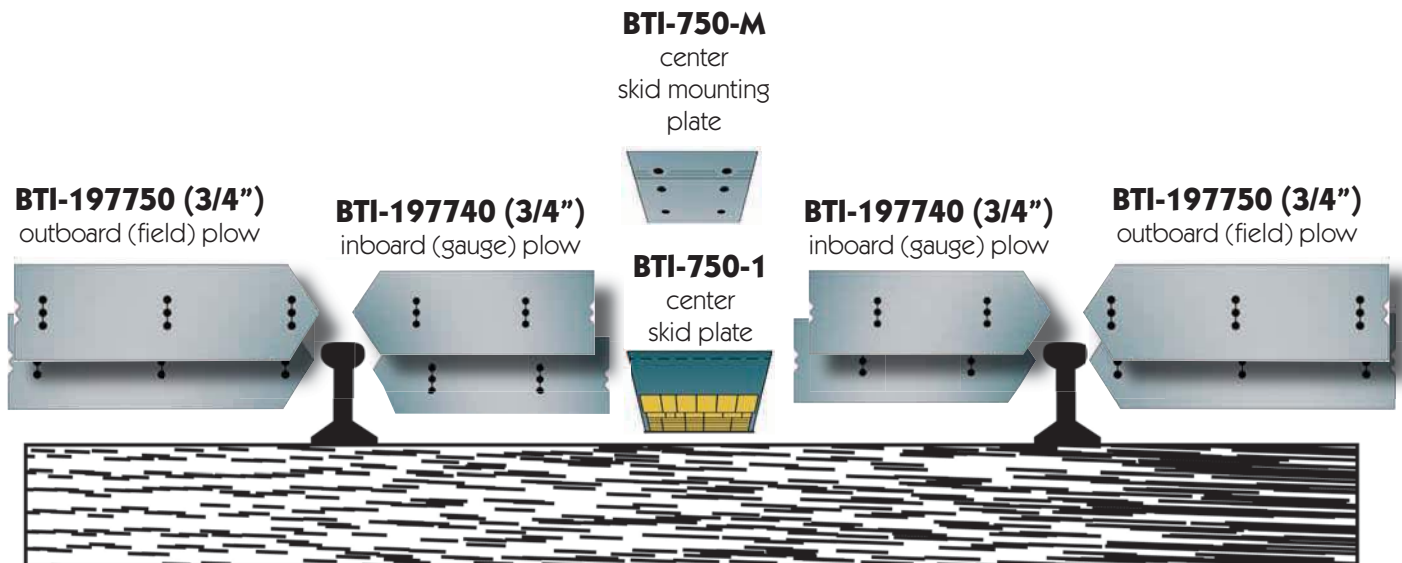
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34 Goodwin Drive  
Crystal City, MO 63019 USA  
636-937-3326  
FAX 636-937-3386



## BTI Plow Blade Layout Fits Kershaw 26, 46, Fits Knox Kershaw 800 & 900 Series Ballast Regulator

BTI Plow Blades - Outboard (field) and  
Inboard (gauge) fits Kershaw Ballast Regulator  
Models 26, 46 fits Knox Kershaw Models 800  
and 900 Series

### WOOD TIES



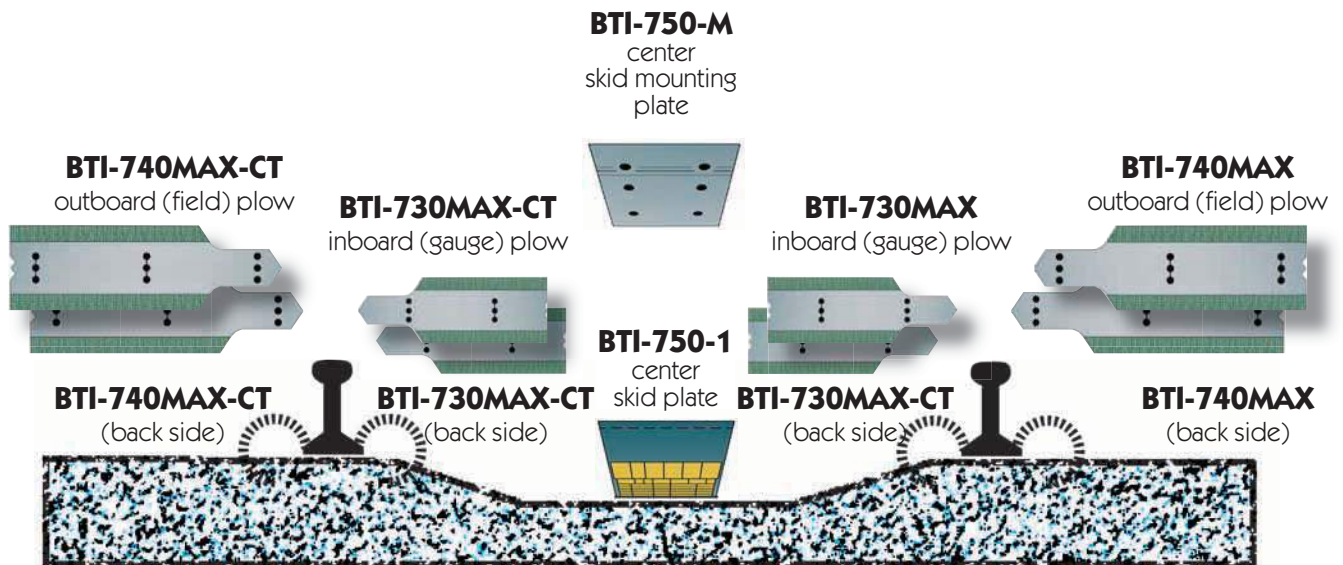
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34 Goodwin Drive  
Crystal City, MO 63019 USA  
636-937-3326  
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# BTI Plow Blade Layout Fits Kershaw 26, 46, Fits Knox Kershaw 800 & 900 Series Ballast Regulator

BTI Plow Blades - Outboard (field) and Inboard (gauge) - (concrete ties) fits Kershaw Ballast Regulator Models 26, 46, fits Knox-Kershaw Ballast Models 800 and 900 Series

## CONCRETE TIES



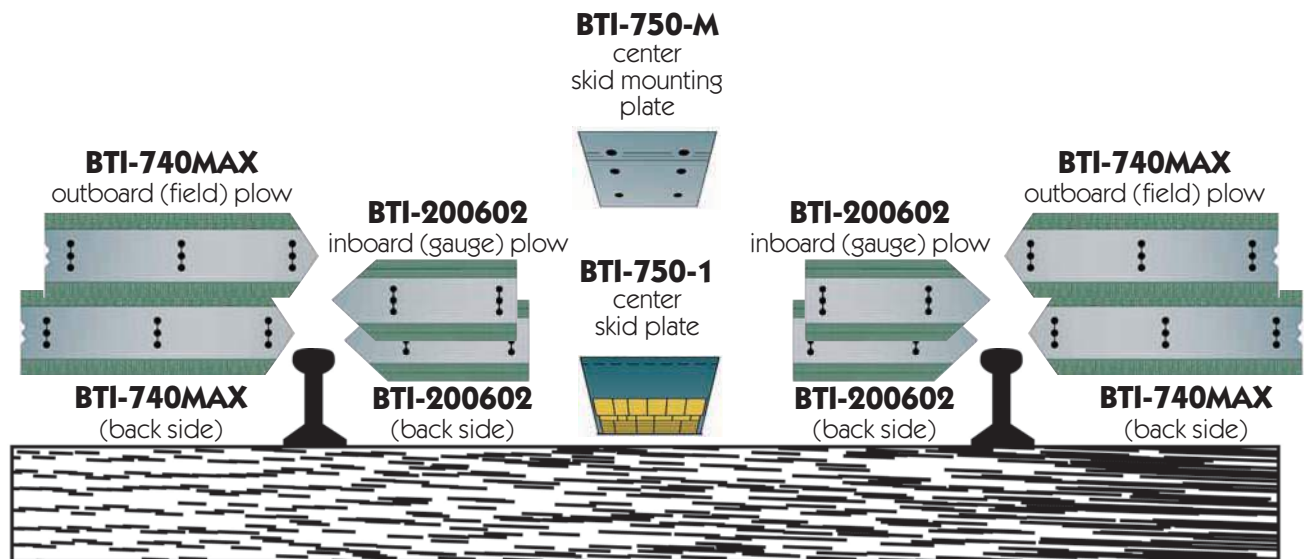
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Crystal City, MO 63019 USA  
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# BTI Plow Blade Layout Fits Knox Kershaw KBR-875, KBR-900 Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Knox Kershaw Models  
KBR-875, and KBR-900 Ballast Regulator

## WOOD TIES



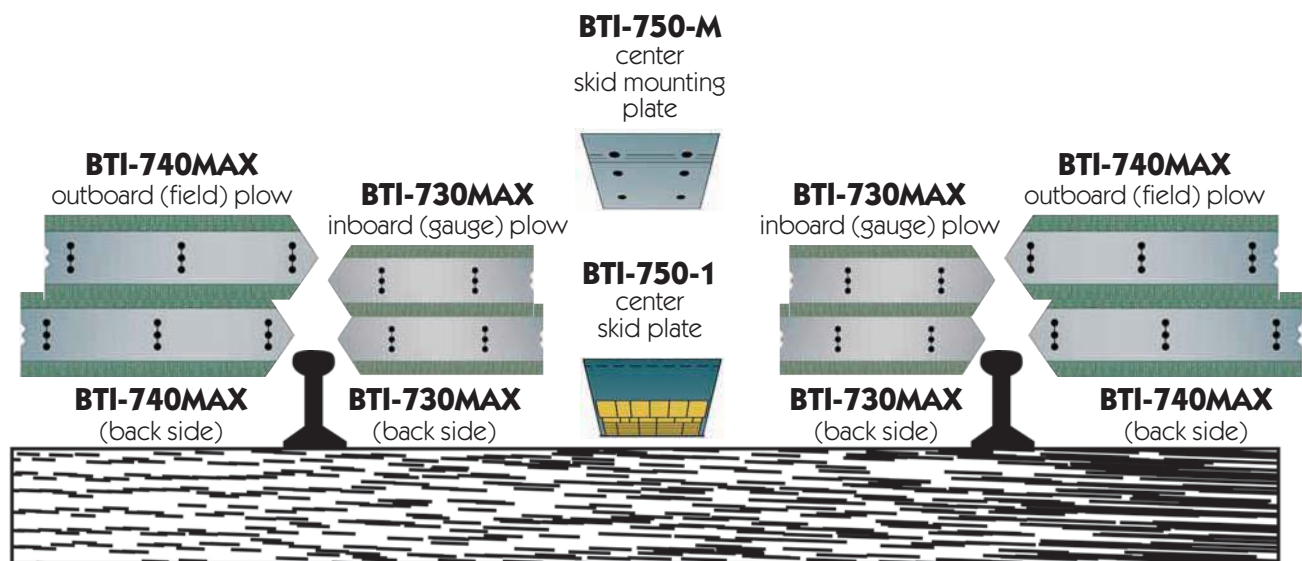
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# BTI Plow Blade Layout Fits Knox Kershaw KBR-850 Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Knox Kershaw  
Model KBR-850 Ballast Regulator

## WOOD TIES



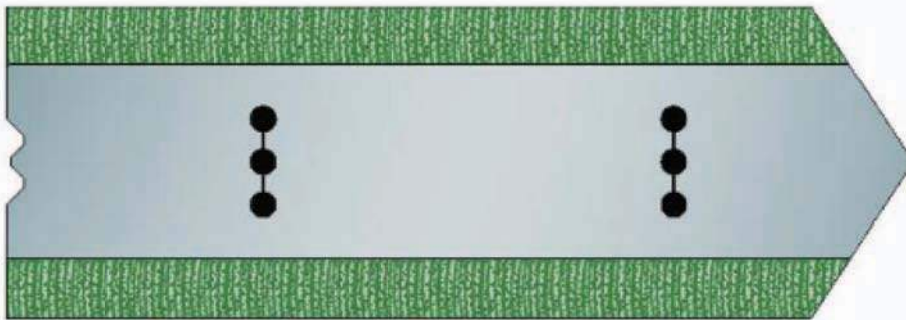
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Crystal City, MO 63019 USA  
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## BTI-730MAX

BTI TuffCarb 2 Hole Plow Blade \*Fits  
Kershaw All Models All Regulators \*Fits  
Knox Kersaw

KBR-850 ONLY



### SPECIFICATIONS:

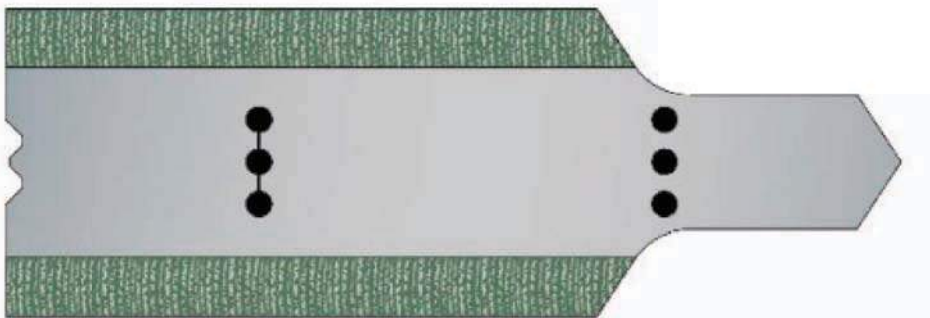
|         |                                  |         |
|---------|----------------------------------|---------|
| Height: | 9.00 in.                         | 229 mm. |
| Length: | 26.50 in.                        | 673 mm. |
| Width:  | 0.75 in.                         | 19 mm.  |
| Weight: | 50.6 lb.                         | 23 kg.  |
| OEM #:  | 9015531, 116657, 194486, 155153, |         |

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## BTI-730MAX-CT

BTI TuffCarb 2 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulator Fits Knox Kershaw -KBR-  
850 ONLY



### SPECIFICATIONS:

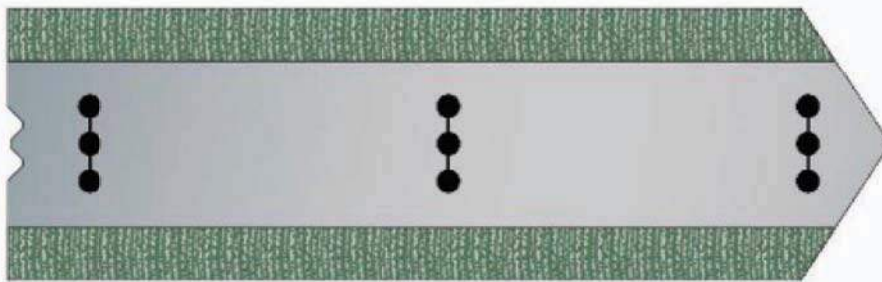
|         |                 |         |
|---------|-----------------|---------|
| Height: | 9.00 in.        | 229 mm. |
| Length: | 26.50 in.       | 673 mm. |
| Width:  | 0.75 in.        | 19 mm.  |
| Weight: | 50.0 lb.        | 23 kg.  |
| OEM #:  | 116656, 194485, |         |

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## BTI-740MAX

BTI TuffCarb 3 Hole Plow Blade \* Fits  
Kershaw All Models All Regulators Fits  
Knox Kershaw - KBR-850



### SPECIFICATIONS:

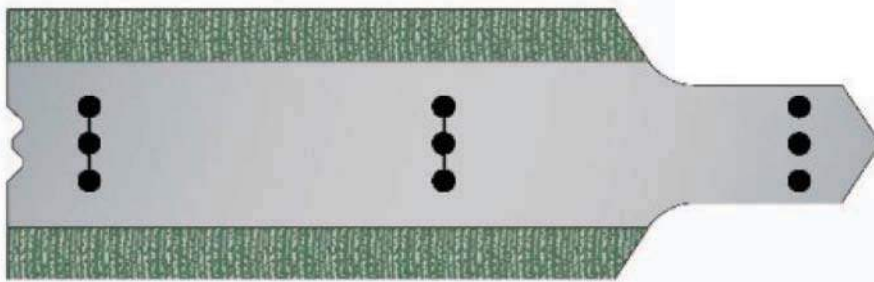
|         |                                                         |         |
|---------|---------------------------------------------------------|---------|
| Height: | 9.00 in.                                                | 229 mm. |
| Length: | 29.50 in.                                               | 749 mm. |
| Weight: | 55.5 lb.                                                | 25 kg.  |
| OEM #:  | 9015532, 116656, 194485, 9001087<br>9011359, 043683037, |         |

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## BTI-740MAX-CT

BTI TuffCarb 3 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulators Fits Knox Kershaw - KBR -  
850 ONLY



### SPECIFICATIONS:

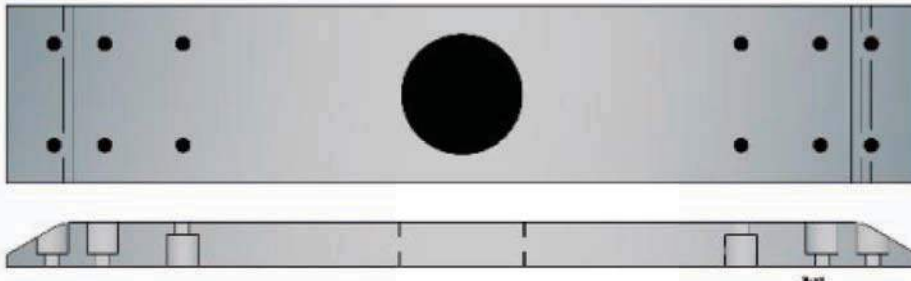
|         |                          |         |
|---------|--------------------------|---------|
| Height: | 9.00 in.                 | 229 mm. |
| Length: | 29.50 in.                | 749 mm. |
| Width:  | 0.75 in.                 | 19 mm.  |
| Weight: | 55.5 lb.                 | 25 kg.  |
| OEM #:  | 116656, 194485, 9001087, |         |

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## BTI-750-M

BTI Steel Alloy Bolt-on Skid Mounting  
Plate \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

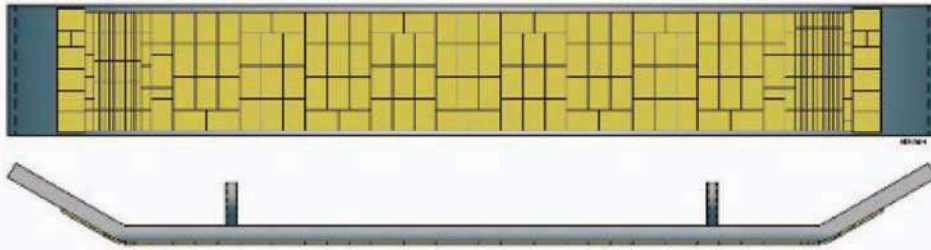
Length: 36.00 in. 914 mm.  
Width: 7.00 in. 178 mm.  
Weight: 109.0 lb. 49 kg.  
OEM #: 9031939, 147473M, 505-4137-0, 147473,  
147473(A),

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## BTI-750-1

BTI Carbide Front Skid Shoe Regular  
Style \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

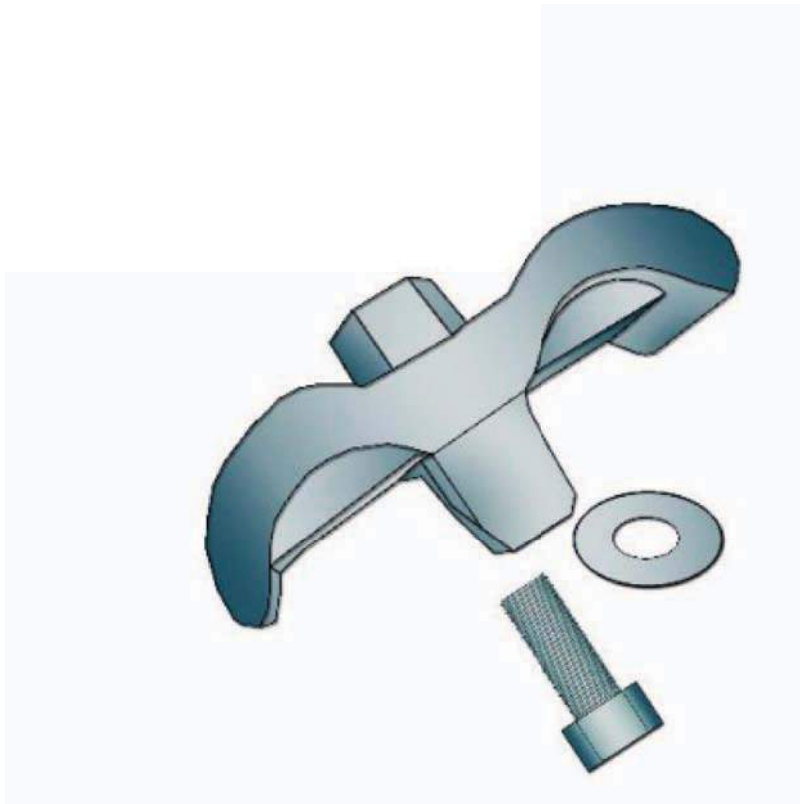
Length: 42.00 in. 1067 mm.  
Width: 6.00 in. 152 mm.  
Weight: 71.0 lb. 32 kg.  
OEM #: 9001236C, 176386, 109617, 109617A  
109617B, 740253,

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# BTI-198845

BTI One Piece Broom Element Clamp \*  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

|         |          |         |
|---------|----------|---------|
| Length: | 5.00 in. | 127 mm. |
| Width:  | 3.00 in. | 76 mm.  |
| Weight: | 1.9 lb.  | 1 kg.   |
| OEM #:  |          |         |

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# BTI-199138

BTI High Performance Broom Element  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

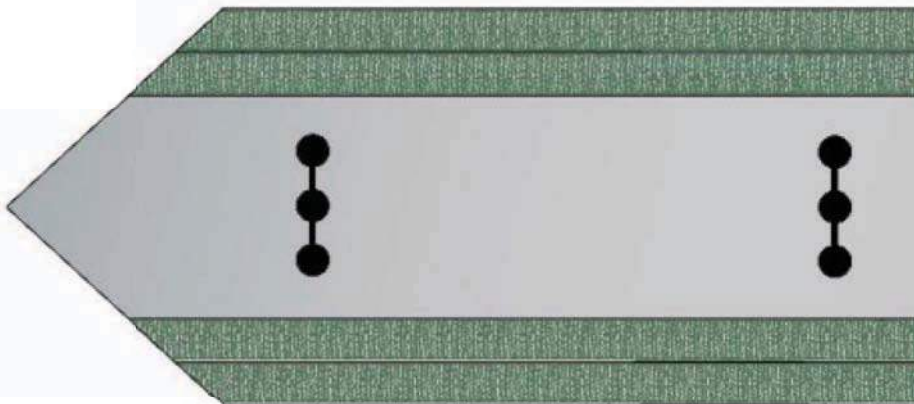
|            |           |         |
|------------|-----------|---------|
| Flare:     | 2.76 in.  | 70 mm.  |
| Width:     | 1.81 in.  | 46 mm.  |
| Weight:    | 2.5 lb.   | 1 kg.   |
| Length:    | 17.50 in. | 445 mm. |
| Mount Dia: | 1.97 in.  | 50 mm.  |
| OEM #:     | n/a,      |         |

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# BTI-200602

BTI TuffCarb 2 Hole Plow Blade (3/4" Thick) \* Fits Knox Kershaw Regulator Model KBR-850, 875, 885 and 900



## SPECIFICATIONS:

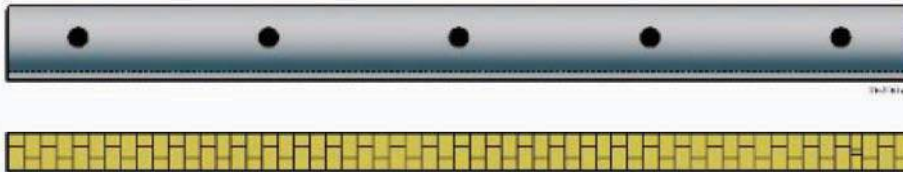
|         |           |         |
|---------|-----------|---------|
| Height: | 9.00 in.  | 229 mm. |
| Length: | 21.00 in. | 533 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 38.0 lb.  | 17 kg.  |
| OEM #:  | 9001018,  |         |

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# BTI-300016

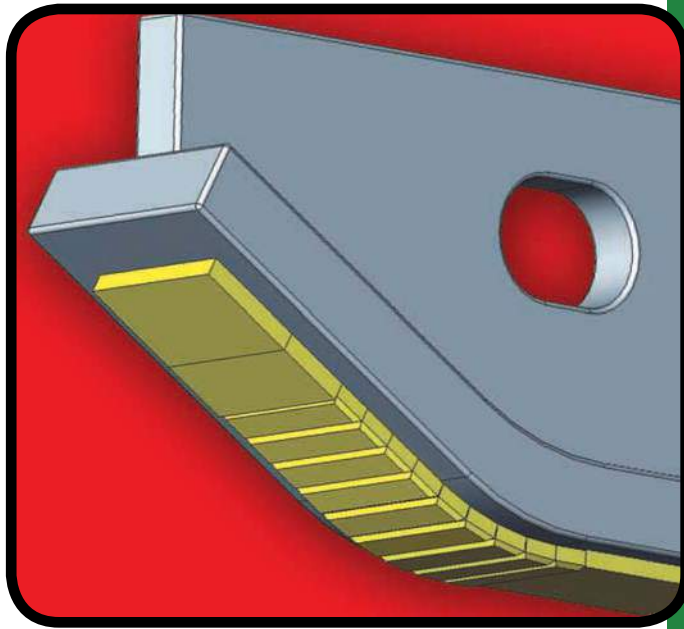
BTI Carbide Z Bar (Outboard) \* Fits  
Knox Kershaw Regulator Model KBR-  
875-NA



## SPECIFICATIONS:

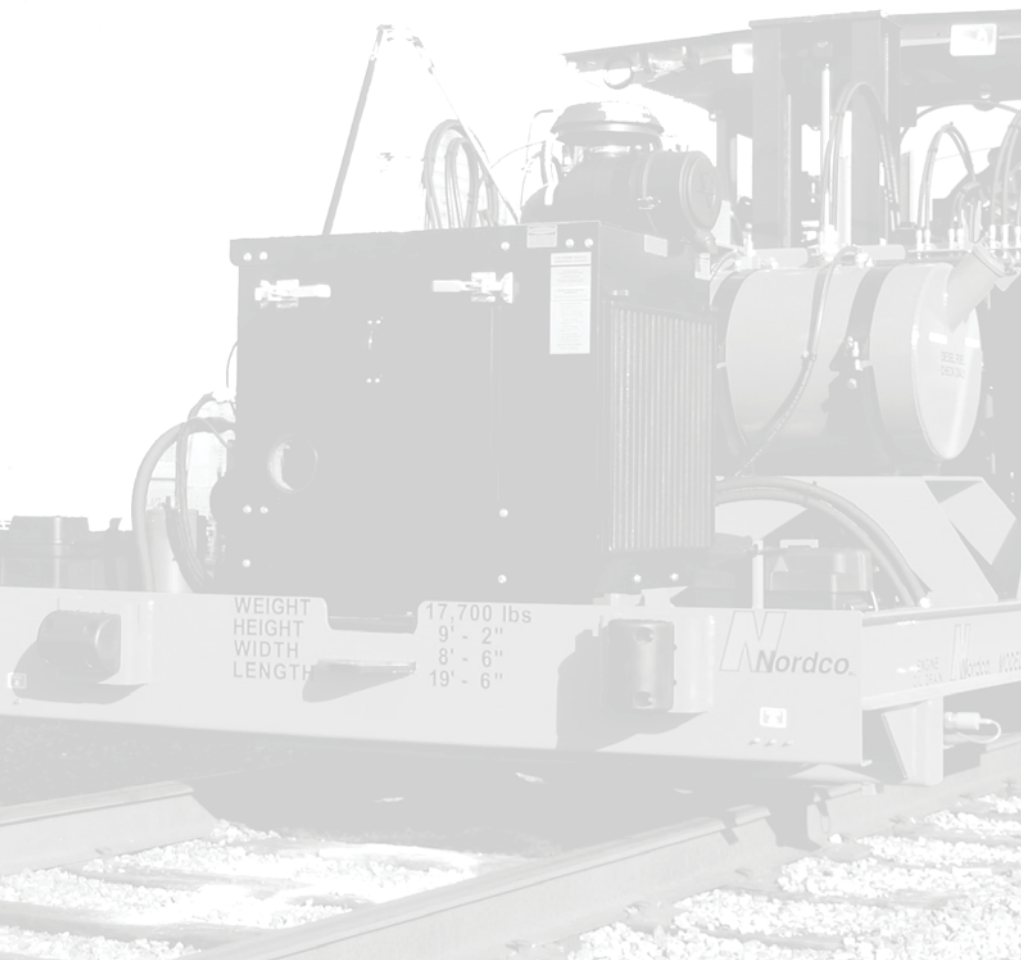
|         |           |          |
|---------|-----------|----------|
| Height: | 4.80 in.  | 122 mm.  |
| Length: | 57.00 in. | 1448 mm. |
| Width:  | 2.50 in.  | 64 mm.   |
| Weight: | 61.0 lb.  | 28 kg.   |
| OEM #:  | 9012083,  |          |

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## **Nordco**

Ballast Regulators



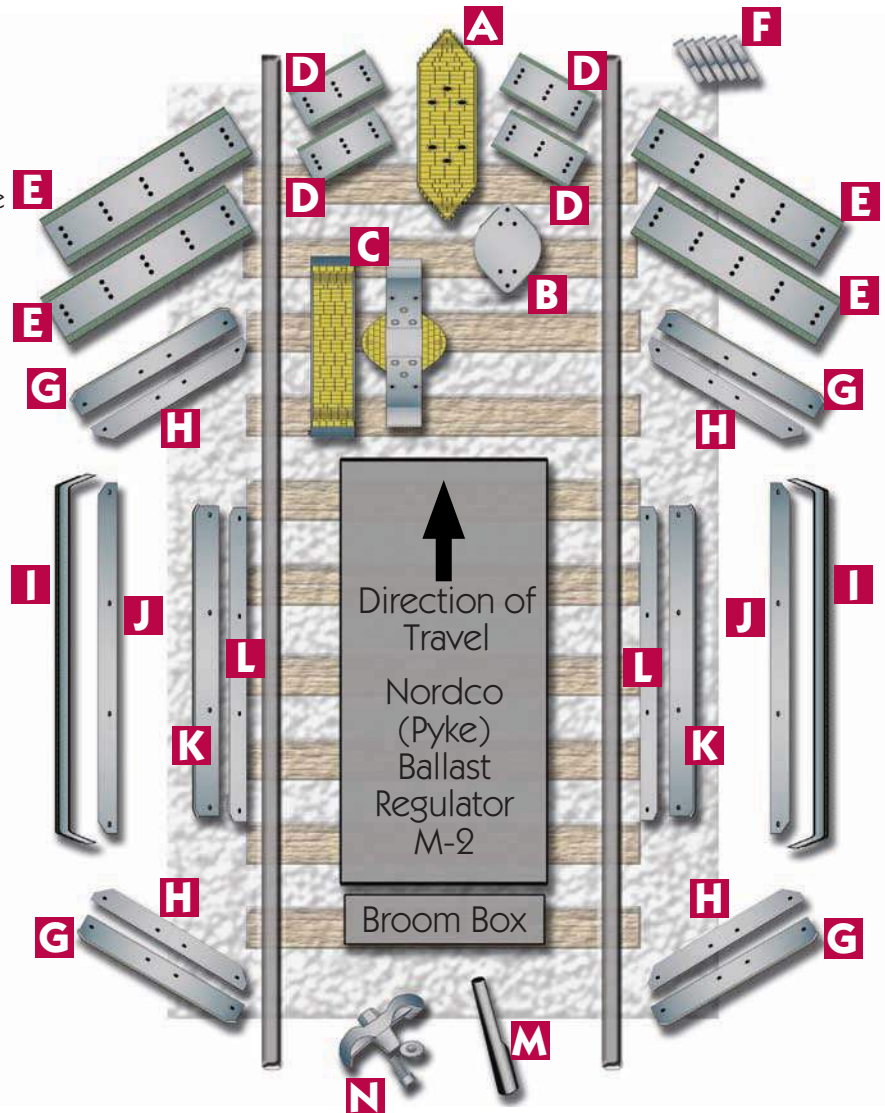


# BTI Layout Fits Nordco (Pyke) M-2 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Tungsten carbide tie jumper  
BTI-170161
- B** Tungsten carbide tie jumper hinge  
BTI-193461
- C** Optional re-outfit  
BTI-198695  
BTI-750-1
- D** TuffCarb™ carbide (gauge) plow blade  
(3-hole)  
BTI-201162
- E** TuffCarb™ carbide (field) plow blade  
(5-hole)  
BTI-201163
- F** Carbide bolt kit (6 bolts)  
BTI-805-B-KIT
- G** Wing L-bar, 47"  
BTI-197185-A
- H** Wing L-bar, 47"  
BTI-197185-LN-A
- I** Outboard L-bar 76"  
BTI-197195-A
- J** Outboard L-bar 76"  
BTI-197195-LN-A
- K** Inboard L-bar 72 1/2"  
BTI-197190-A
- L** Inboard Liner Bar  
BTI-197190-LN-A
- M** Ballastik Broom Elements  
BTI-199138
- N** One-Piece Broom Clamp  
BTI-198845

View From  
Above



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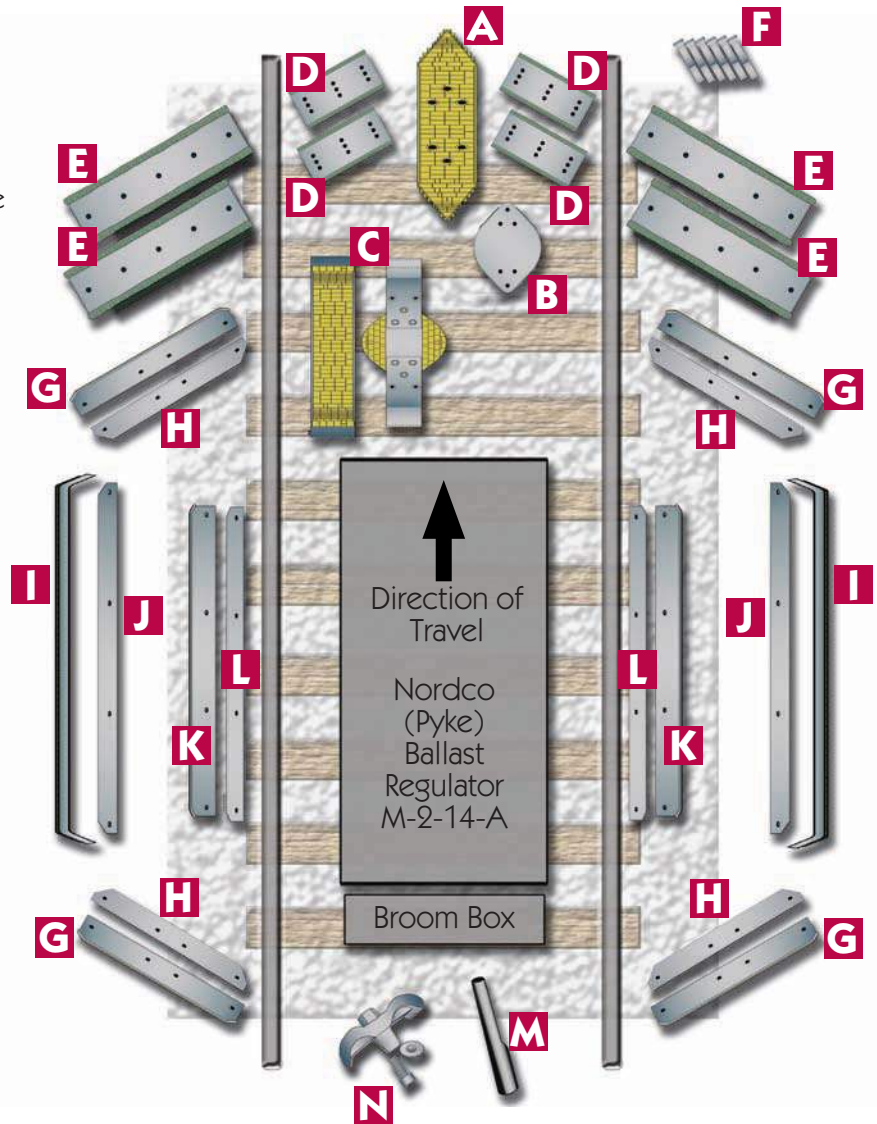


# BTI Layout Fits Nordco (Pyke) M-2-14A Ballast Regulator

## BTI PART IDENTIFICATIONS:

View From  
Above

- A** Tungsten carbide tie jumper  
BTI-170161
- B** Tungsten carbide tie jumper hinge  
BTI-193461
- C** Optional re-outfit  
BTI-198695  
BTI-750-1
- D** TuffCarb™ carbide (gauge) plow blade  
(3-hole)  
BTI-201162
- E** TuffCarb™ carbide (field) plow blade  
(5-hole)  
BTI-201161
- F** Carbide bolt kit (6 bolts)  
BTI-805-B-KIT
- G** Wing L-bar, 47"  
BTI-197185-A
- H** Wing L-bar, 47"  
BTI-197185-LN-A
- I** Outboard L-bar 76"  
BTI-197195-A
- J** Outboard L-bar 76"  
BTI-197195-LN-A
- K** Inboard L-bar 72 1/2"  
BTI-197190-A
- L** Inboard Liner Bar  
BTI-197190-LN-A
- M** Ballastik Broom Elements  
BTI-199138
- N** One-Piece Broom Clamp  
BTI-198845



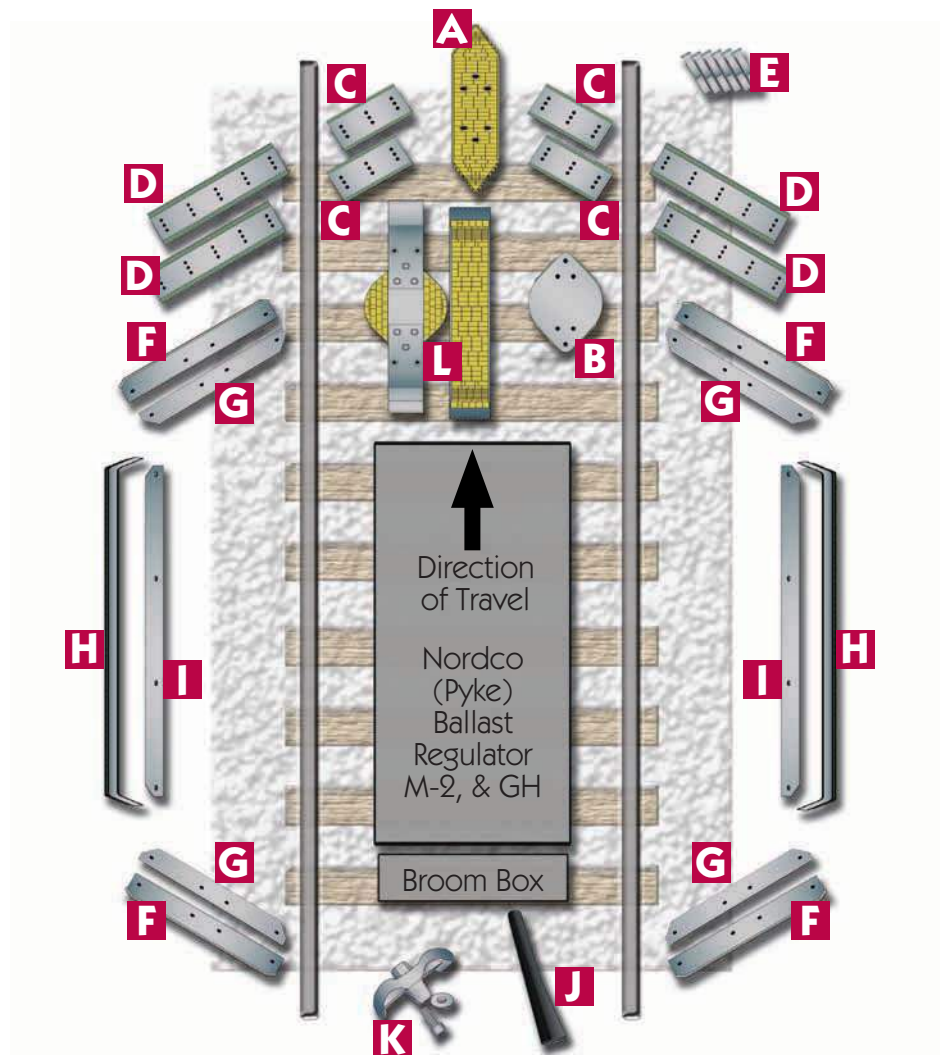
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Crystal City, MO 63019 USA  
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# BTI Layout Fits Nordco (Pyke) M-2, & GH Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Tungsten carbide tie jumper  
BTI-170161 - (Optional)
- B** Tungsten carbide tie jumper hinge  
BTI-193461 - (Optional)
- C** TuffCarb™ carbide (gauge)  
plow blade (3-hole)  
BTI-201162
- D** TuffCarb™ carbide (field)  
plow blade (5-hole)  
BTI-201163
- E** Carbide bolt kit (6 bolts)  
BTI-805-B-KIT for BTI-170161
- F** Wing L-bar, 47"  
BTI-197185-A
- G** Wing L-bar, 47"  
BTI-197185-LN-A
- H** Outboard L-bar 76"  
BTI-197195-A
- I** Outboard L-bar 76"  
BTI-197195-LN-A
- J** Ballastik Broom Elements  
BTI-199138
- K** One-Piece Broom Clamp  
BTI-198845
- L** Optional re-outfit  
BTI-198695  
BTI-750-1



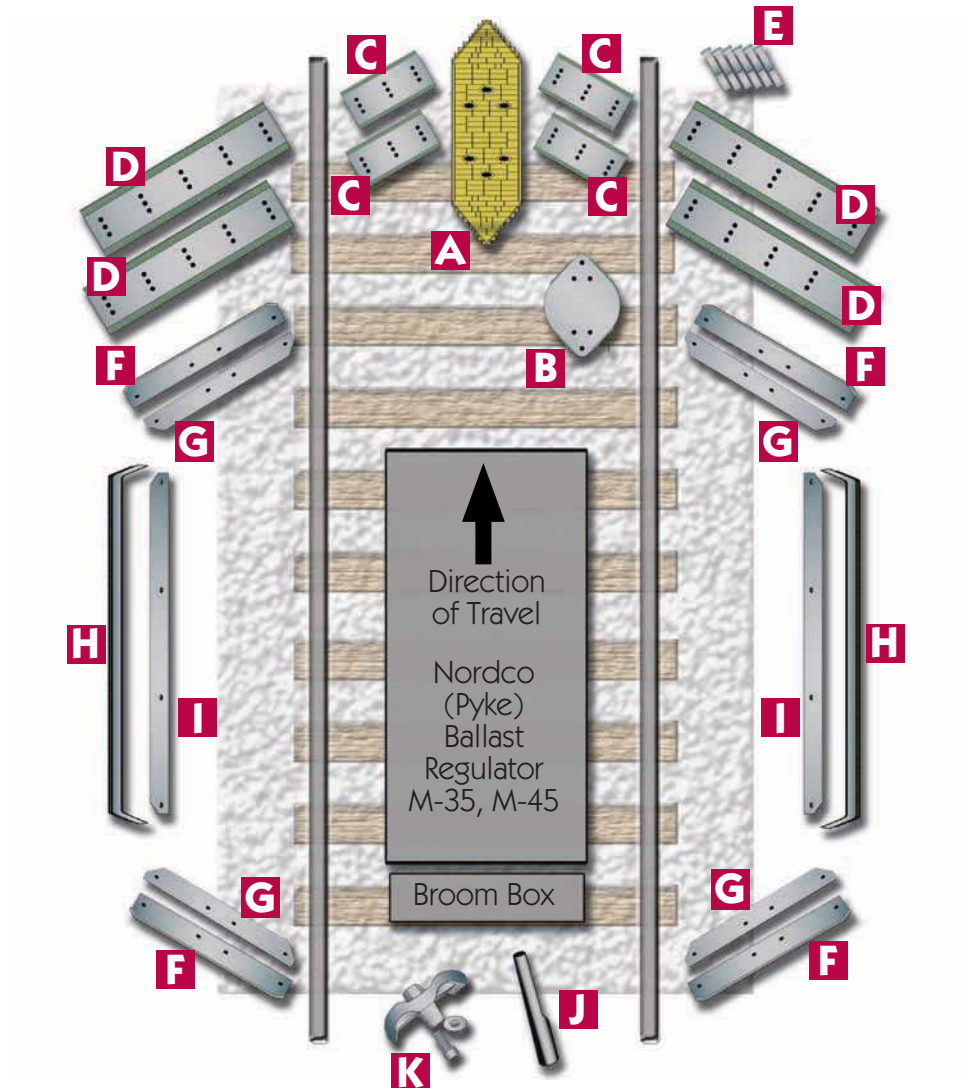
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636-937-3326  
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# BTI Layout Fits Nordco (Pyke) M-35, & M-45 Ballast Regulator

## BTI PART IDENTIFICATIONS:

- A** Tungsten carbide tie jumper  
BTI-170161 - (Optional)
- B** Tungsten carbide tie jumper hinge  
BTI-193461 - (Optional)
- C** TuffCarb™ carbide (gauge)  
plow blade (3-hole)  
BTI-201162
- D** TuffCarb™ carbide (field)  
plow blade (5-hole)  
BTI-201163
- E** Carbide bolt kit (6 bolts)  
BTI-805-B-KIT for BTI-170161
- F** Wing L-bar, 47"  
BTI-197185-A
- G** Wing L-bar, 47"  
BTI-197185-LN-A
- H** Outboard L-bar 76"  
BTI-197195-A
- I** Outboard L-bar 76"  
BTI-197195-LN-A
- J** Ballastik Broom Elements  
BTI-199138
- K** One-Piece Broom Clamp  
BTI-198845



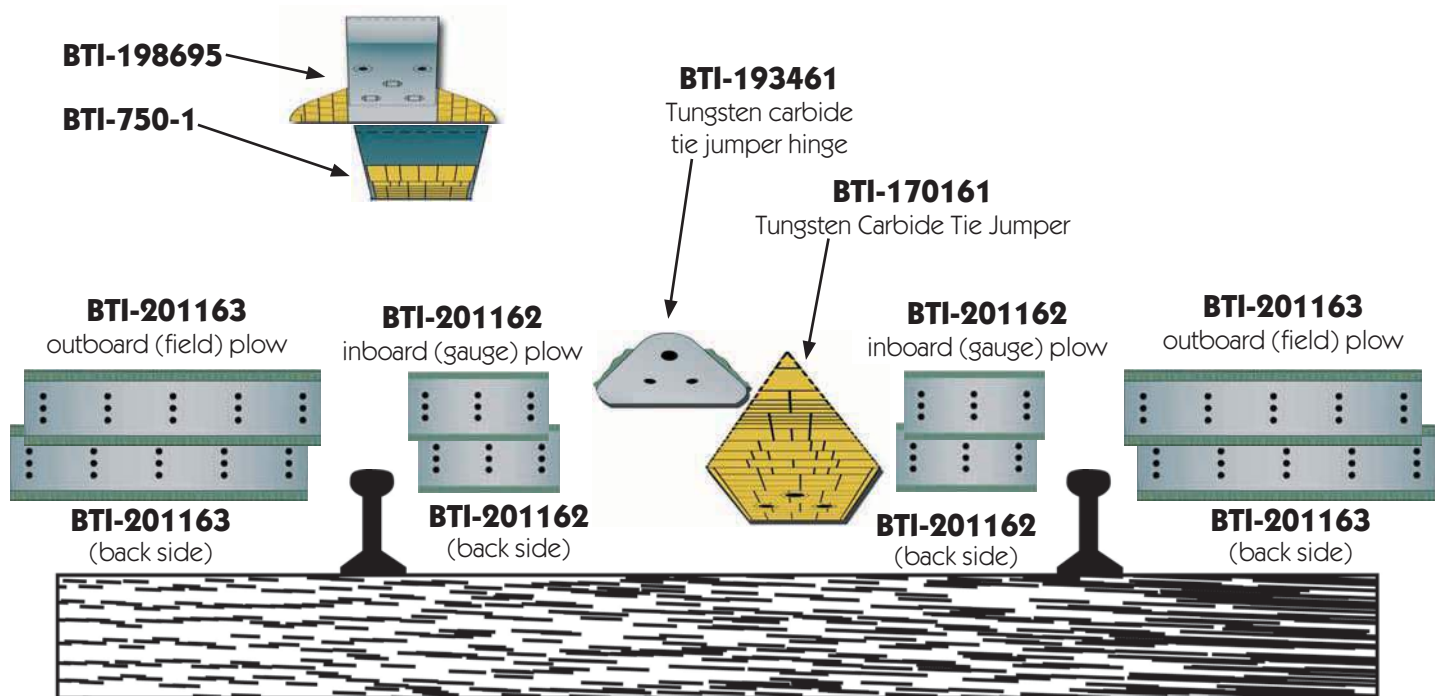
Ballast Tools Incorporated  
34 Goodwin Drive  
Crystal City, MO 63019 USA  
636-937-3326  
FAX 636-937-3386



# BTI Plow Blade Layout Fits Nordco (Pyke) M-2, GH Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Nordco Pyke Models  
M-2 and GH Ballast Regulator

## WOOD TIES



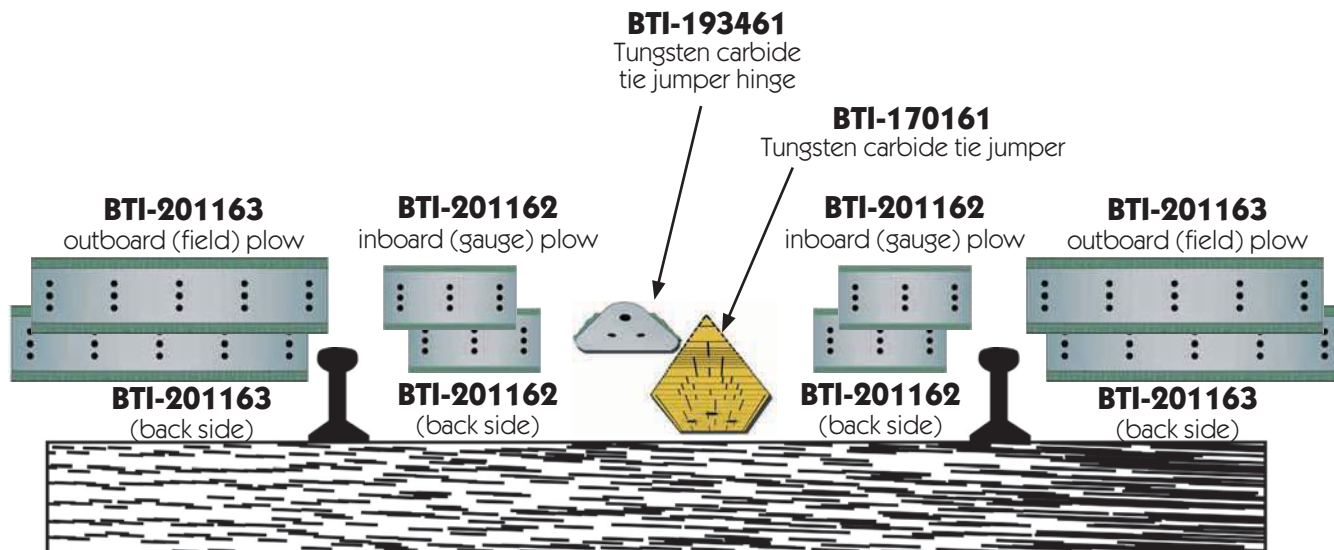
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Crystal City, MO 63019 USA  
636-937-3326  
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## BTI Plow Blade Layout Fits Nordco (Pyke) M-35, M-45 Ballast Regulator

BTI Plow Blades - Outboards (field) and  
Inboard (gauge) fits Nordco Pyke Models  
M-35 and M-45 Ballast Regulator

### WOOD TIES



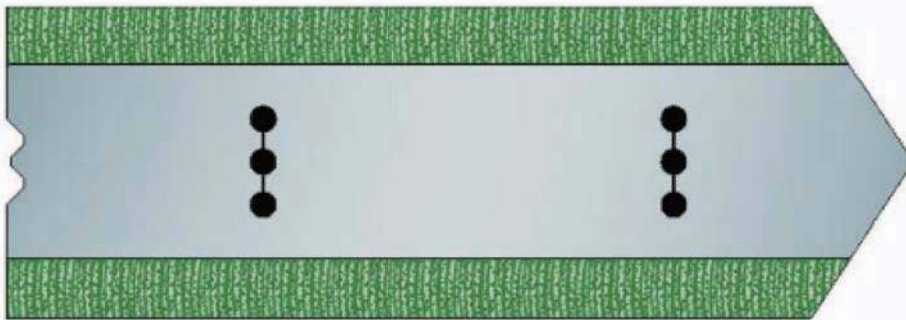
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Crystal City, MO 63019 USA  
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FAX 636-937-3386



## BTI-730MAX

BTI TuffCarb 2 Hole Plow Blade \*Fits  
Kershaw All Models All Regulators \*Fits  
Knox Kersaw

KBR-850 ONLY



### SPECIFICATIONS:

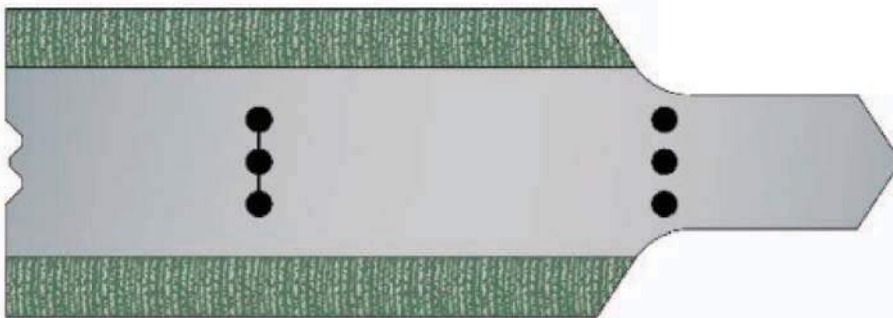
|         |                                  |         |
|---------|----------------------------------|---------|
| Height: | 9.00 in.                         | 229 mm. |
| Length: | 26.50 in.                        | 673 mm. |
| Width:  | 0.75 in.                         | 19 mm.  |
| Weight: | 50.6 lb.                         | 23 kg.  |
| OEM #:  | 9015531, 116657, 194486, 155153, |         |

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## BTI-730MAX-CT

BTI TuffCarb 2 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulator Fits Knox Kershaw -KBR-  
850 ONLY



### SPECIFICATIONS:

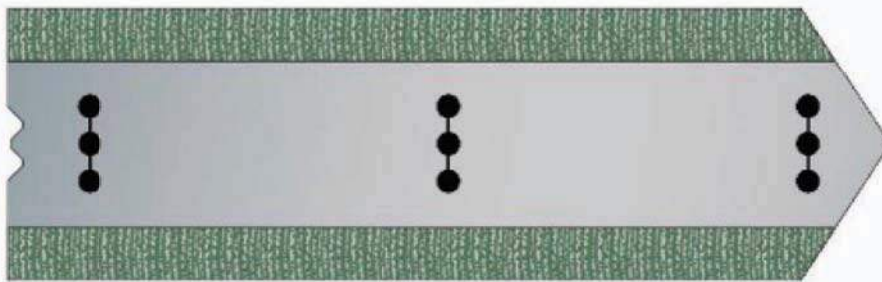
|         |                 |         |
|---------|-----------------|---------|
| Height: | 9.00 in.        | 229 mm. |
| Length: | 26.50 in.       | 673 mm. |
| Width:  | 0.75 in.        | 19 mm.  |
| Weight: | 50.0 lb.        | 23 kg.  |
| OEM #:  | 116656, 194485, |         |

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## BTI-740MAX

BTI TuffCarb 3 Hole Plow Blade \* Fits  
Kershaw All Models All Regulators Fits  
Knox Kershaw - KBR-850



### SPECIFICATIONS:

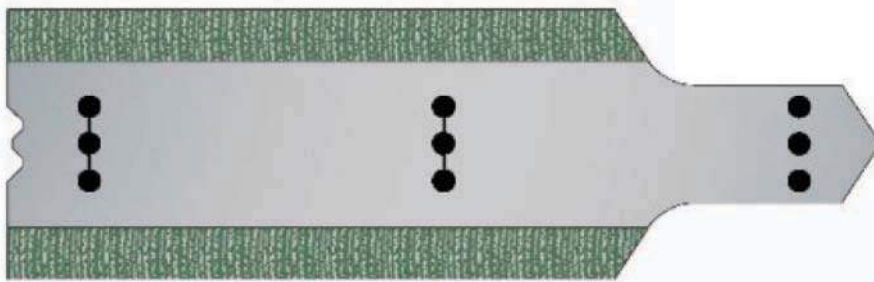
|         |                                                         |         |
|---------|---------------------------------------------------------|---------|
| Height: | 9.00 in.                                                | 229 mm. |
| Length: | 29.50 in.                                               | 749 mm. |
| Weight: | 55.5 lb.                                                | 25 kg.  |
| OEM #:  | 9015532, 116656, 194485, 9001087<br>9011359, 043683037, |         |

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## BTI-740MAX-CT

BTI TuffCarb 3 Hole Plow Blade  
Concrete Tie \* Fits Kershaw All Models  
All Regulators Fits Knox Kershaw - KBR -  
850 ONLY



### SPECIFICATIONS:

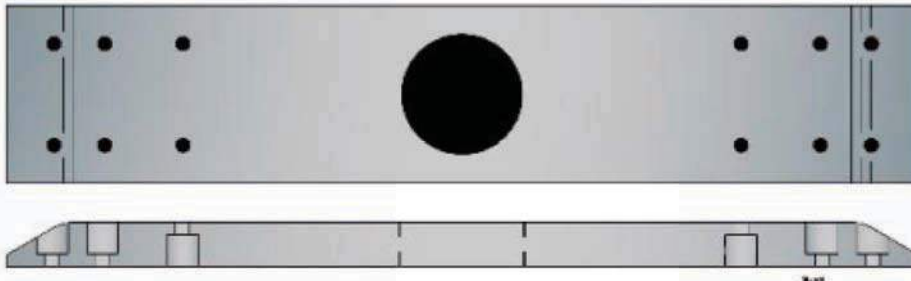
|         |                          |         |
|---------|--------------------------|---------|
| Height: | 9.00 in.                 | 229 mm. |
| Length: | 29.50 in.                | 749 mm. |
| Width:  | 0.75 in.                 | 19 mm.  |
| Weight: | 55.5 lb.                 | 25 kg.  |
| OEM #:  | 116656, 194485, 9001087, |         |

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## BTI-750-M

BTI Steel Alloy Bolt-on Skid Mounting  
Plate \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

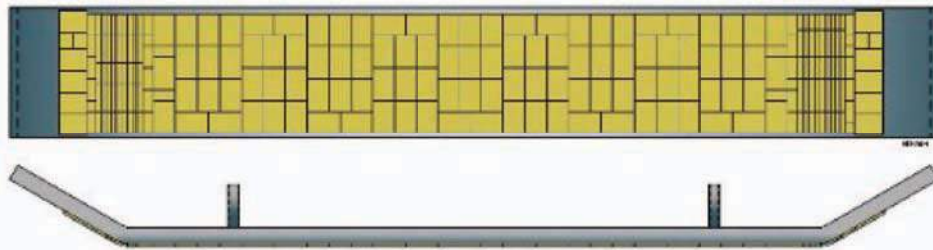
Length: 36.00 in. 914 mm.  
Width: 7.00 in. 178 mm.  
Weight: 109.0 lb. 49 kg.  
OEM #: 9031939, 147473M, 505-4137-0, 147473,  
147473(A),

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## BTI-750-1

BTI Carbide Front Skid Shoe Regular  
Style \* Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



### SPECIFICATIONS:

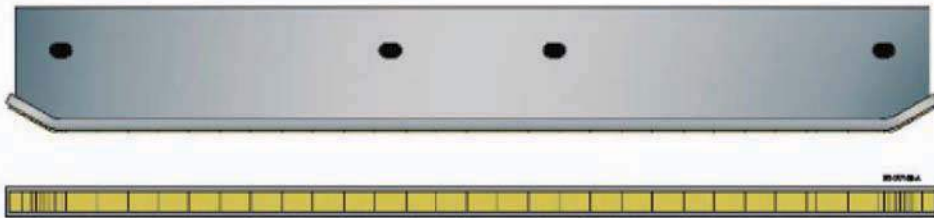
Length: 42.00 in. 1067 mm.  
Width: 6.00 in. 152 mm.  
Weight: 71.0 lb. 32 kg.  
OEM #: 9001236C, 176386, 109617, 109617A  
109617B, 740253,

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## BTI-197185-A

BTI Carbide L Bar Template Door Blade  
\* Fits Nordco Ballast Regulator



### SPECIFICATIONS:

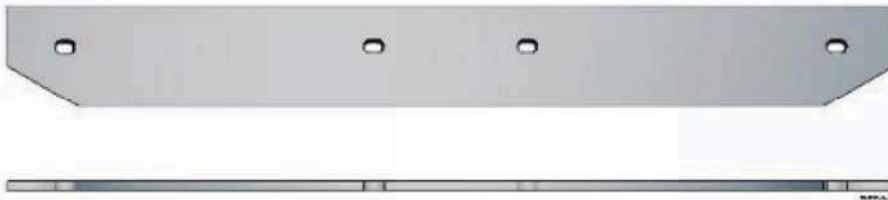
|         |                 |          |
|---------|-----------------|----------|
| Height: | 6.00 in.        | 152 mm.  |
| Length: | 47.00 in.       | 1194 mm. |
| Width:  | 1.50 in.        | 38 mm.   |
| Weight: | 49.5 lb.        | 22 kg.   |
| OEM #:  | B25788, 840190, |          |

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## BTI-197185-LN-A

BTI Ballast Wing L Bar Liner \* Fits  
Nordco Ballast Regulator



### SPECIFICATIONS:

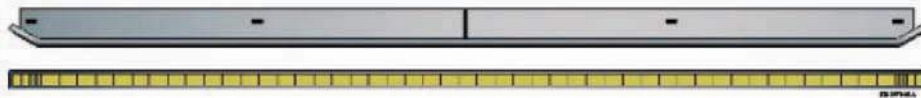
|         |                  |          |
|---------|------------------|----------|
| Height: | 5.00 in.         | 127 mm.  |
| Length: | 46.00 in.        | 1168 mm. |
| Width:  | 0.50 in.         | 13 mm.   |
| Weight: | 31.5 lb.         | 14 kg.   |
| OEM #:  | B-25788, 840191, |          |

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## BTI-197195-A

BTI Carbide L Bar Wing Outer Door  
Blade \* Fits Nordco Ballast Regulator



### SPECIFICATIONS:

|         |                  |          |
|---------|------------------|----------|
| Height: | 6.00 in.         | 152 mm.  |
| Length: | 76.00 in.        | 1930 mm. |
| Width:  | 1.50 in.         | 38 mm.   |
| Weight: | 79.0 lb.         | 36 kg.   |
| OEM #:  | B-25787, 840181, |          |

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## BTI-197195-LN-A

BTI Wear Resistant L Bar Liner for Wing  
Outer Door Blade \* Fits Nordco Ballast  
Regulator



### SPECIFICATIONS:

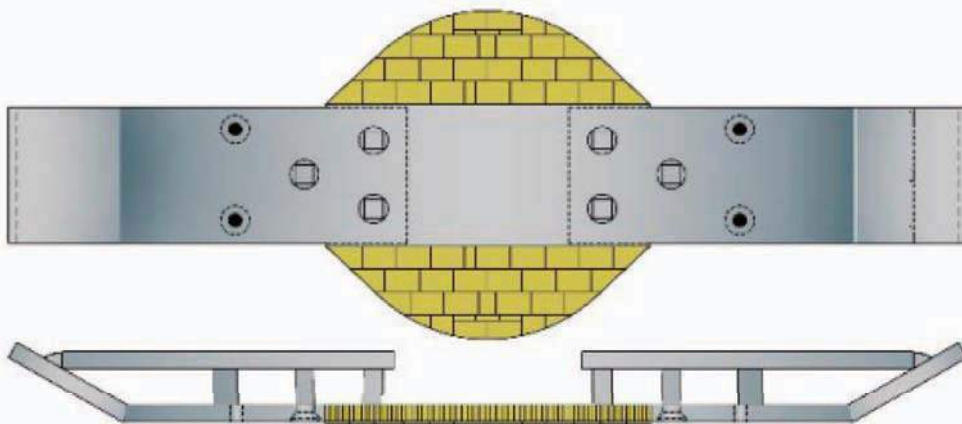
|         |                 |          |
|---------|-----------------|----------|
| Height: | 5.25 in.        | 133 mm.  |
| Length: | 76.00 in.       | 1930 mm. |
| Width:  | 0.50 in.        | 13 mm.   |
| Weight: | 55.5 lb.        | 25 kg.   |
| OEM #:  | B25787, 840182, |          |

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## BTI-198695

BTI Carbide Skid Shoe (Optional Re-  
Outfit with BTI-750-1 Skid) \* Fits  
Nordco Ballast Regulator



### SPECIFICATIONS:

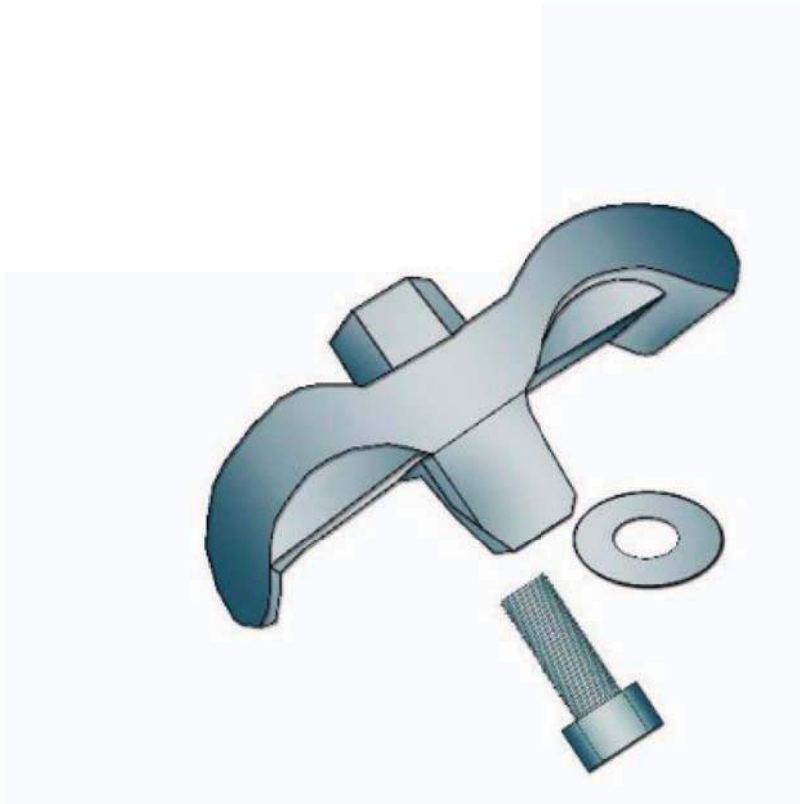
|         |                 |          |
|---------|-----------------|----------|
| Length: | 42.00 in.       | 1067 mm. |
| Width:  | 14.30 in.       | 363 mm.  |
| Weight: | 123.0 lb.       | 56 kg.   |
| OEM #:  | B25104, B27665, |          |

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# BTI-198845

BTI One Piece Broom Element Clamp \*  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

|         |          |         |
|---------|----------|---------|
| Length: | 5.00 in. | 127 mm. |
| Width:  | 3.00 in. | 76 mm.  |
| Weight: | 1.9 lb.  | 1 kg.   |
| OEM #:  |          |         |

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# BTI-199138

BTI High Performance Broom Element  
Fits Kershaw & Knox Kershaw  
Regulators - All Models All Regulators



## SPECIFICATIONS:

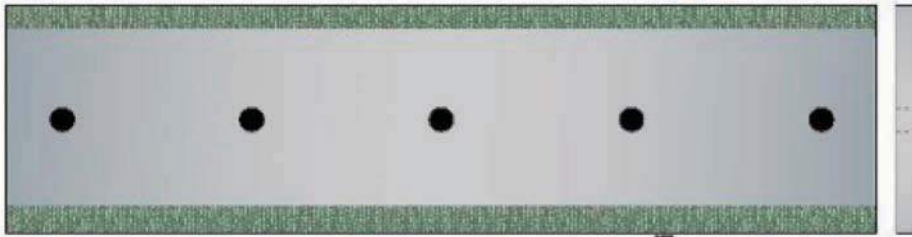
|            |           |         |
|------------|-----------|---------|
| Flare:     | 2.76 in.  | 70 mm.  |
| Width:     | 1.81 in.  | 46 mm.  |
| Weight:    | 2.5 lb.   | 1 kg.   |
| Length:    | 17.50 in. | 445 mm. |
| Mount Dia: | 1.97 in.  | 50 mm.  |
| OEM #:     | n/a,      |         |

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# BTI-200553

BTI TuffCarb 5 Hole Front Plow Blade  
(3/4" Thick) \* Fits Nordco Ballast  
Regulator



## SPECIFICATIONS:

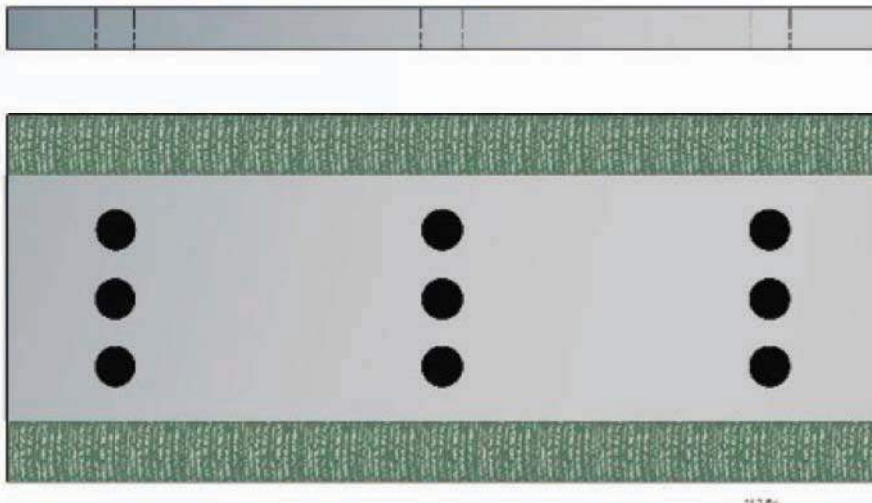
|         |                  |         |
|---------|------------------|---------|
| Height: | 8.00 in.         | 203 mm. |
| Length: | 27.50 in.        | 699 mm. |
| Width:  | 0.75 in.         | 19 mm.  |
| Weight: | 45.0 lb.         | 20 kg.  |
| OEM #:  | A-27669, A25094, |         |

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# BTI-200574

BTI TuffCarb 3 Hole Heavy Duty Plow  
Blade (3/4" Thick) \* Fits Nordco Ballast  
Regulator



## SPECIFICATIONS:

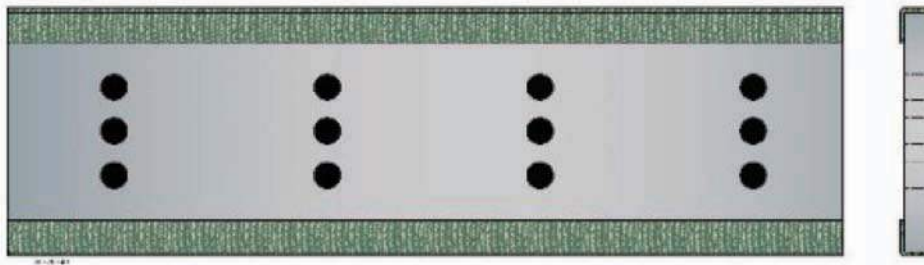
|         |           |         |
|---------|-----------|---------|
| Height: | 7.00 in.  | 178 mm. |
| Length: | 16.00 in. | 406 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 24.5 lb.  | 11 kg.  |
| OEM #:  | B25095,   |         |

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# BTI-200581

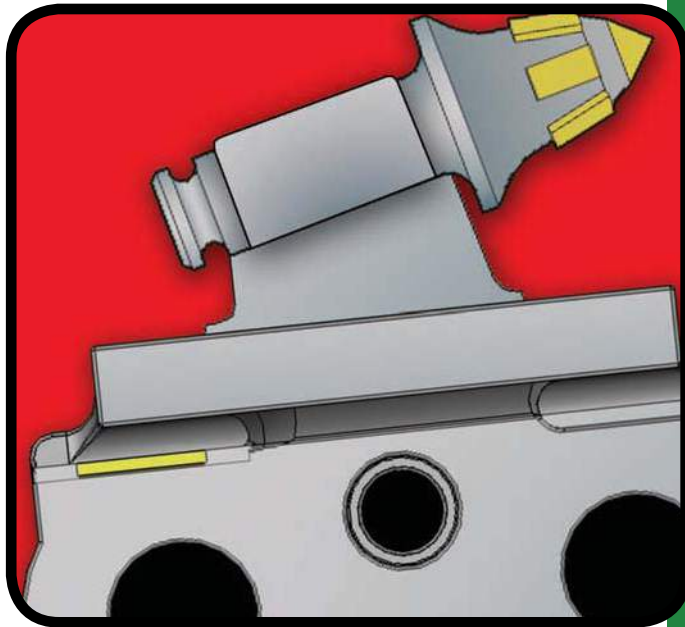
BTI TuffCarb 4 Hole Plow Blade (3/4" Thick) \* Fits Nordco Ballast Regulator



## SPECIFICATIONS:

|         |           |         |
|---------|-----------|---------|
| Height: | 7.00 in.  | 178 mm. |
| Length: | 23.50 in. | 597 mm. |
| Width:  | 0.75 in.  | 19 mm.  |
| Weight: | 36.0 lb.  | 16 kg.  |
| OEM #:  | A40323,   |         |

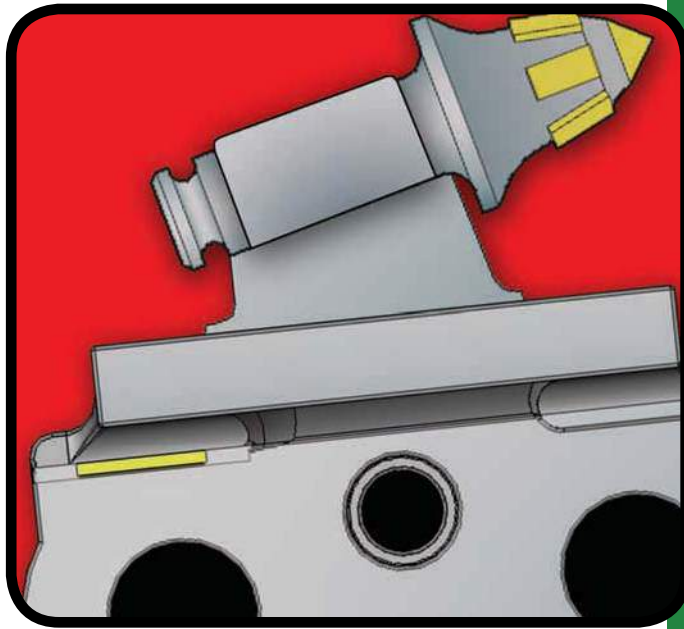
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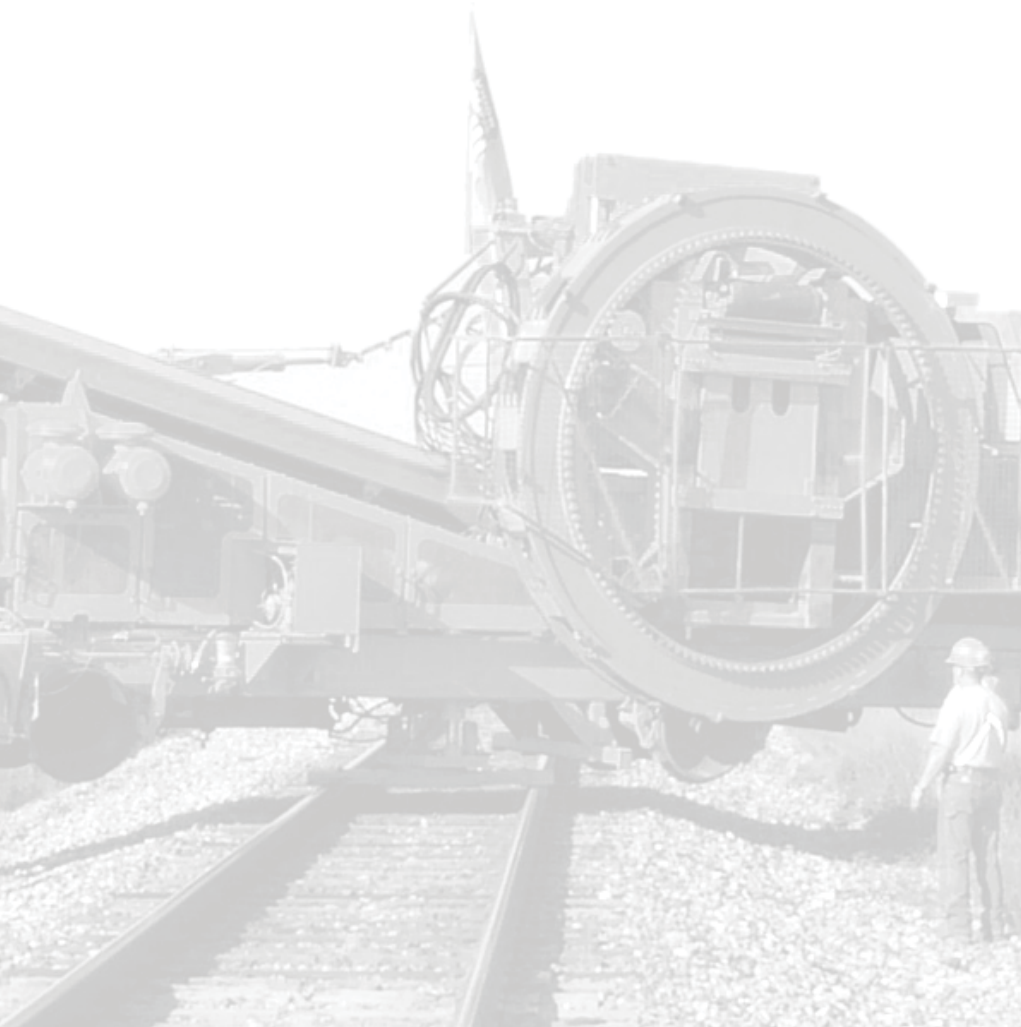
## **Ballast Undercutters**

Harsco Tamper  
Plasser





**Harsco Tamper**  
Heavy Duty Super GO-4S  
Super GO-4S  
Undercutter



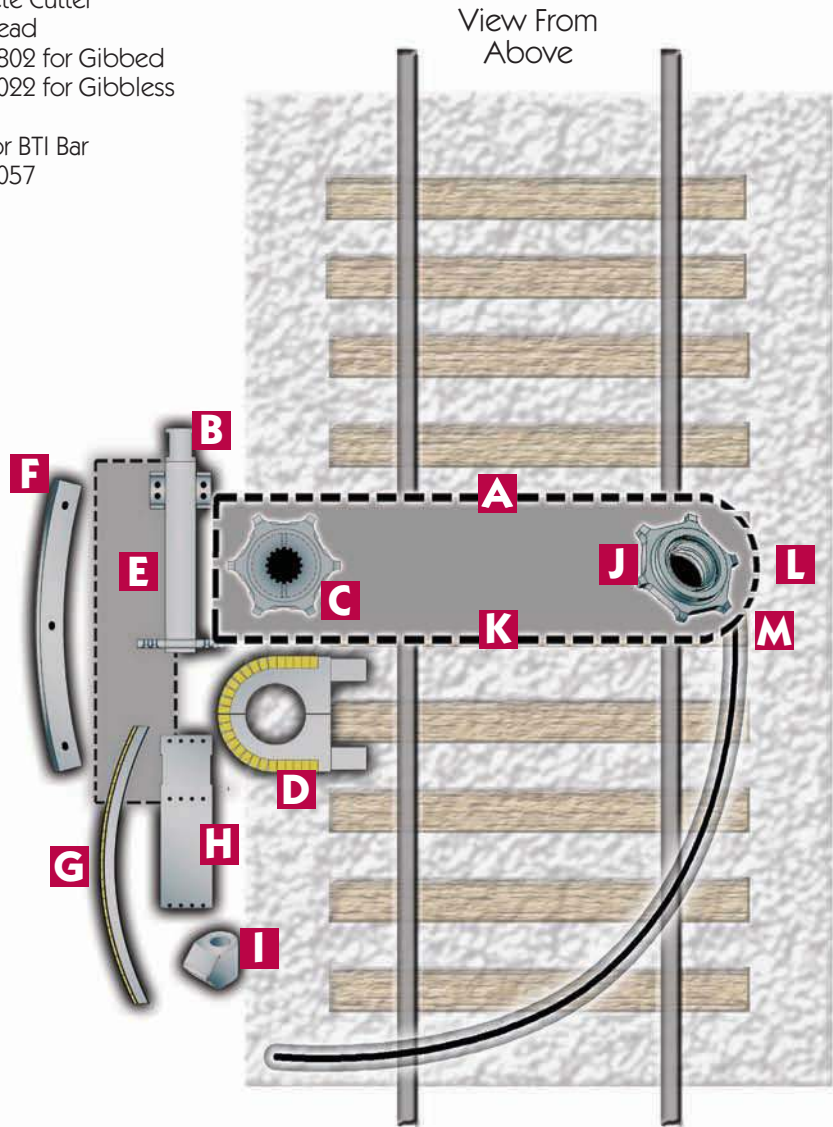


# BTI Layout Fits Harsco (Fairmont-Tamper) Heavy Duty Super GO-4S Undercutter

BTI Heavy Duty Super GO-4S With Wear Strips  
Fits Harsco (Fairmont-Tamper) Undercutter  
Model - for 2 1/8" Chain Thickness

## BTI PART IDENTIFICATIONS:

- A** **Heavy Duty 2 1/8 Inches BTI design With Fingers**  
Gibbed, BTI-199080  
Gibless, BTI-199087  
**Heavy Duty 2 1/8 Inches Tamper-Style Chains With Conical Bits**  
Gibbed, BTI-199096  
Gibless, BTI-199101
- B** Cutter Bar Bracket  
BTI-170802 or BTI-170803
- C** Drive Sprocket  
BTI-180142
- D** Shield Assembly  
BTI-170871
- E** Ditching Wheel  
BTI-300480
- F** Z-Bar for Ditching Wheel  
BTI-170980
- G** Bucket Liner Plates  
BTI-180012
- H** Dump Plate  
BTI-180013
- I** Conical Bit Holder  
BTI-193014
- J** Idler Sprocket  
BTI-195061
- K** **Wear Strips for Heavy Duty 2 1/8 Inches Bar (Gibbed)**  
Kit A, BTI-200005  
Kit B, BTI-200006  
**Wear Strips for Heavy Duty 2 1/8 Inches Bar (Gibless)**  
Kit A, BTI-200020  
Kit B, BTI-200021  
**Wear Strips**  
BTI-170980
- L** Complete Cutter Bar & Head  
BTI-170802 for Gibbed  
BTI-200022 for Gibbless
- M** Head for BTI Bar  
BTI-195057



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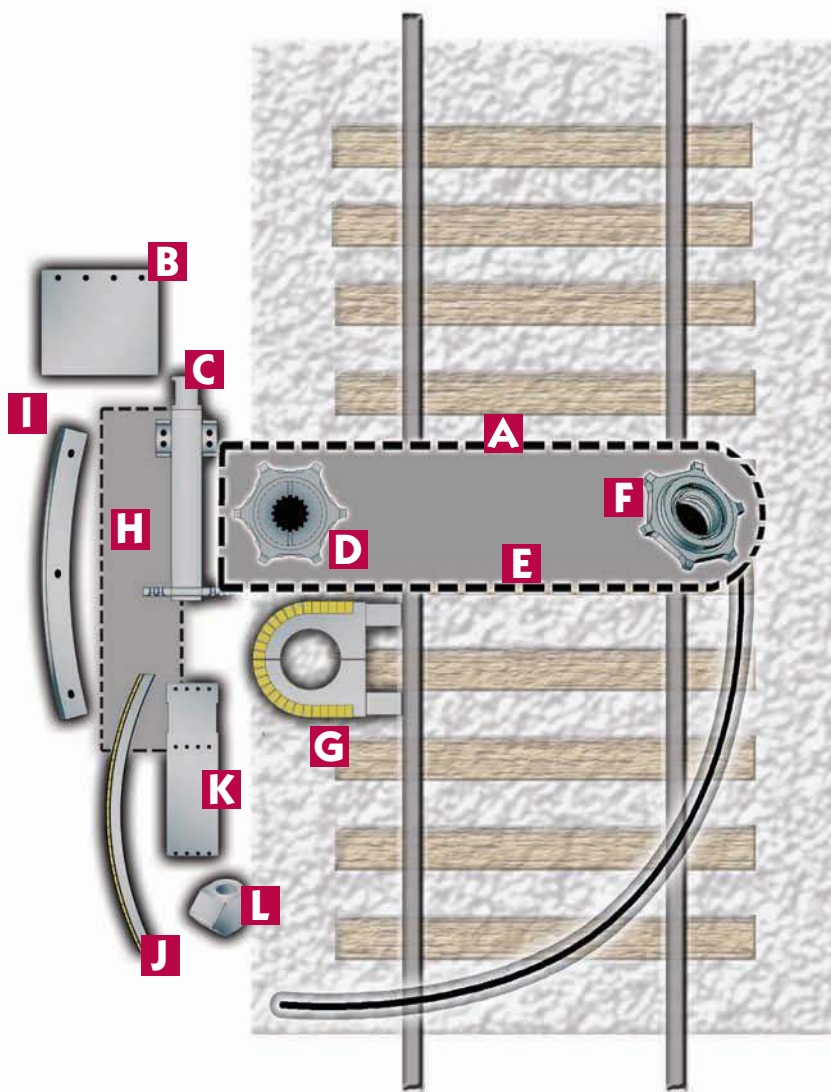


# BTI Layout Fits Harsco (Fairmont-Tamper) Super GO-4S Undercutter

## BTI PART IDENTIFICATIONS:

- A** Tamper-Style Chains  
Gibbed, BTI-193022  
Gibless, BTI-193011  
Conical Bits, BTI-765-B  
Paddles, BTI-180232
- B** Wheel Feeder Plow  
BTI-193751
- C** Cutter Bar Bracket  
BTI-170802 or BTI-170803
- D** Drive Sprocket  
BTI-180142
- E** 56 Links  
**BTI Super GO-4S Chain  
Finger/Paddles**  
Gibbed, BTI-170860  
Gibless, BTI-170863  
Fingers, BTI-170864  
Paddles, BTI-180232  
**BTI Bar**  
Gibbed, BTI-170810 Kit A  
Wear Strips, BTI-170808 Kit B  
Gibless, BTI-170811 Kit A  
Wear Strips, BTI-170809 Kit B  
**Tamper Bar**  
Gibbed, BTI-170904 Kit A  
Wear Strips, BTI-170902 Kit B  
Gibless, BTI-170903 Kit A  
Wear Strips, BTI-170901 Kit B
- F** Idler Sprocket  
BTI-195061
- G** Shield Assembly  
BTI-170871
- H** Ditching Wheel  
BTI-300480
- I** Z-Bar for  
Ditching Wheel  
BTI-170980
- J** Bucket Liner Plates  
BTI-180012
- K** Dump Plate  
BTI-180013
- L** Conical Bit Holder  
BTI-193014

View From  
Above

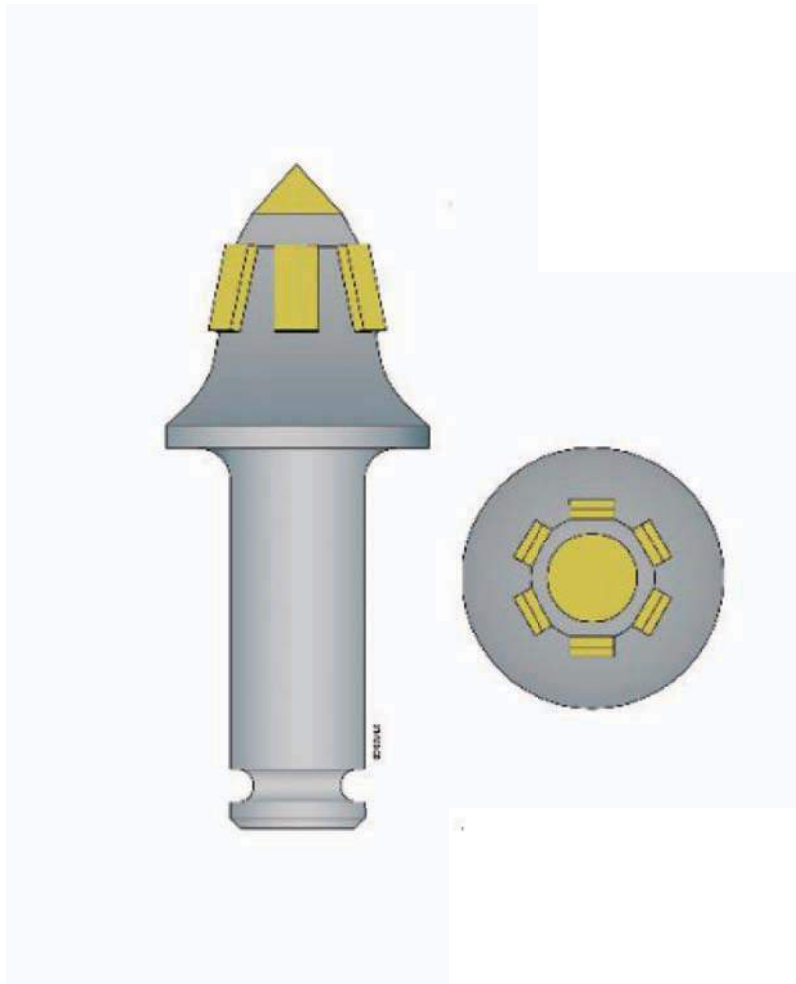


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## BTI-765-CB

BTI Carbide Undercutter Conical Bit  
(.765" Series) \* Fits Various Gopher &  
Super Gopher Undercutter Chains



### SPECIFICATIONS:

Length: 3.40 in. 86 mm.  
Weight: 1.0 lb. 0 kg.  
OEM #: B4277Y04, B4277Y04B,

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# BTI-170864

BTI Carbide Chain Finger (fits BTI Chain)  
\* Fits Harsco (Tamper) Super GO-4S  
Undercutter



## SPECIFICATIONS:

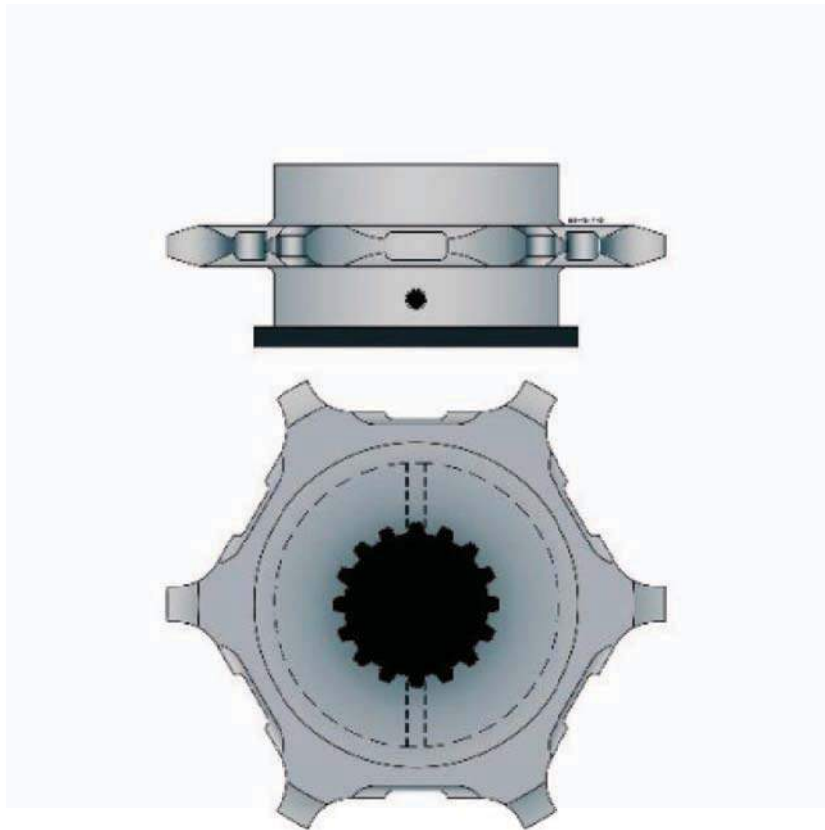
|         |                 |         |
|---------|-----------------|---------|
| Length: | 5.50 in.        | 140 mm. |
| Weight: | 1.5 lb.         | 1 kg.   |
| OEM #:  | 173861, 173860, |         |

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## BTI-180142

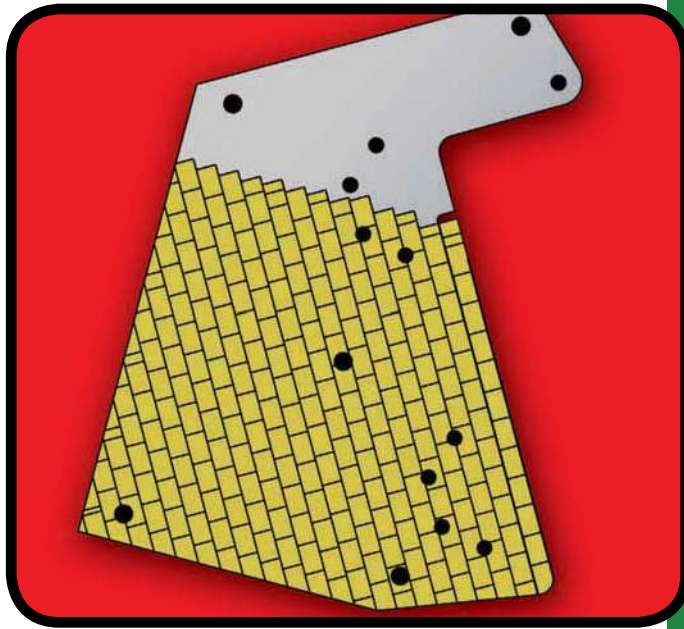
BTI Heavy Duty Drive Sprocket (w/Cap)  
\* Fits Harsco (Tamper) Super GO-4S  
Undercutter



### SPECIFICATIONS:

Weight: 55.0 lb. 25 kg.  
OEM #: C 5347YAA, B3793Y01A,

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**Plasser**  
Undercutter





**BTI-300051**

UC PADDLE W/TUFFCARB APPLIED FOR  
BTI-300210 / BTI-300562



**SPECIFICATIONS:**

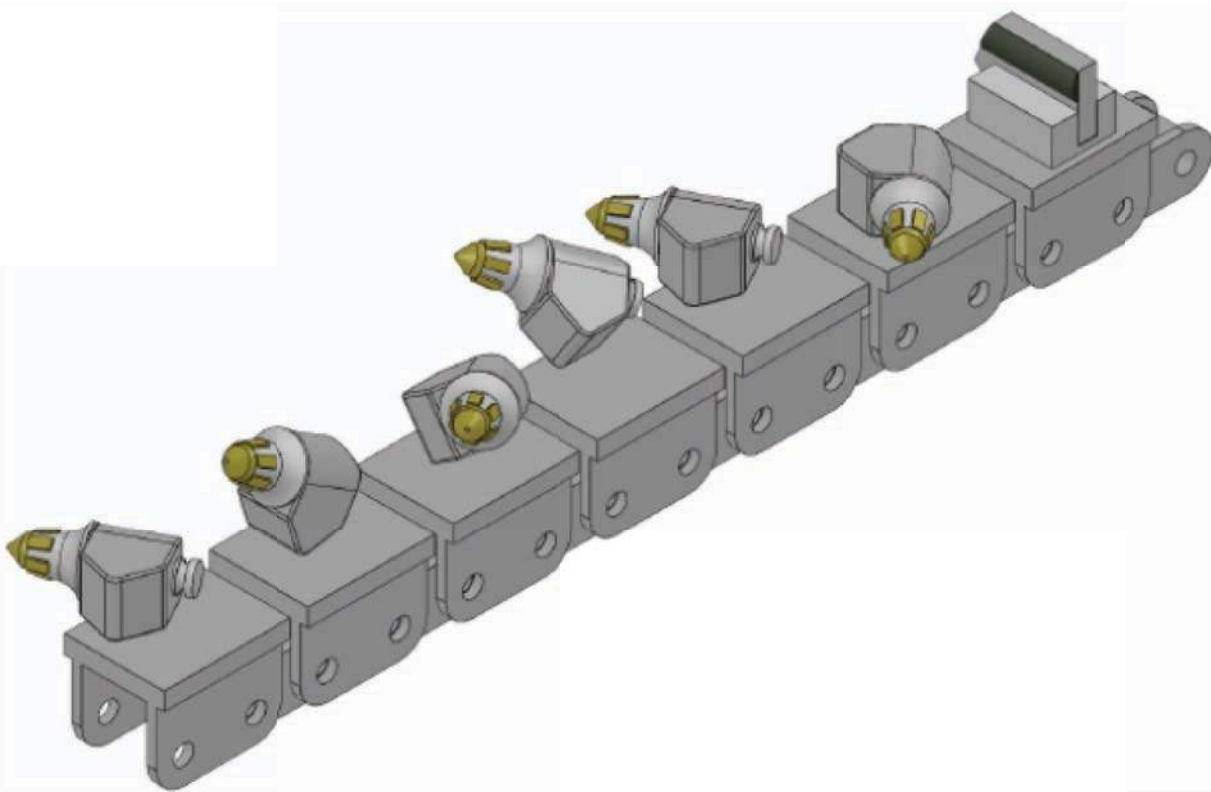
|         |          |        |
|---------|----------|--------|
| Length: | 2.88 in. | 73 mm. |
| Height: | 1.75 in. | 44 mm. |
| Width:  | 0.50 in. | 13 mm. |
| Weight: | 1.0 lb.  | 0 kg.  |
| OEM #:  |          |        |

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**BTI-300210**

BTI Off Track Mad Max Undercutter  
Chain w/ Concial Bits and Paddles \* Fits  
Mad Max Undercutter



**SPECIFICATIONS:**

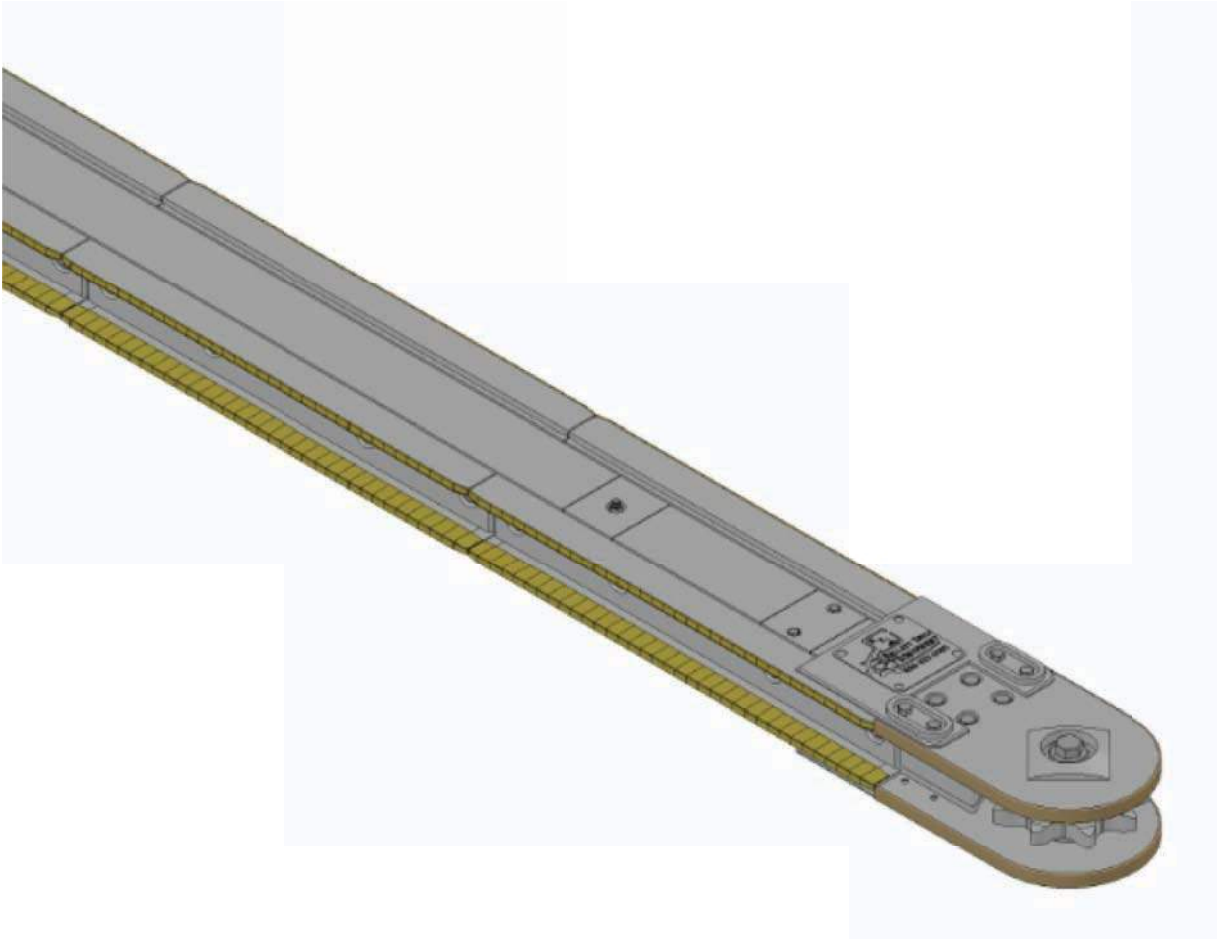
OEM #:

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Crystal City, MO 63019 USA  
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# BTI-301308

BTI Undercutter Off-Track Bar With  
Replaceable Strip ( Marv Bar)



## SPECIFICATIONS:

|         |            |          |
|---------|------------|----------|
| Length: | 157.50 in. | 4001 mm. |
| Width:  | 11.38 in.  | 289 mm.  |
| Weight: | 1125.0 lb. | 510 kg.  |
| OEM #:  |            |          |

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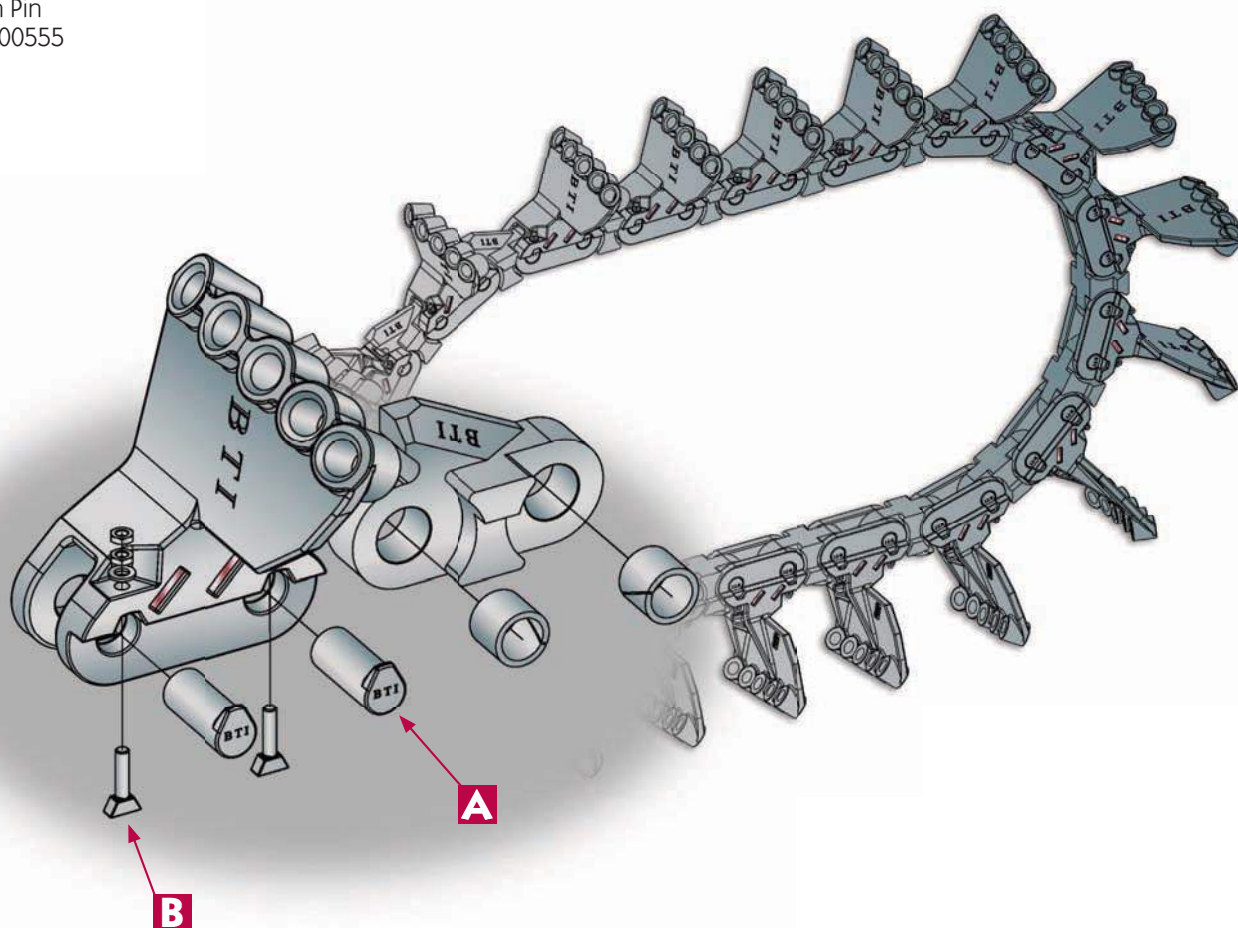


**BTI-302157**

5-finger 87 link undercutter chain  
\* Fits Plasser RM80

**BTI PART IDENTIFICATIONS:**

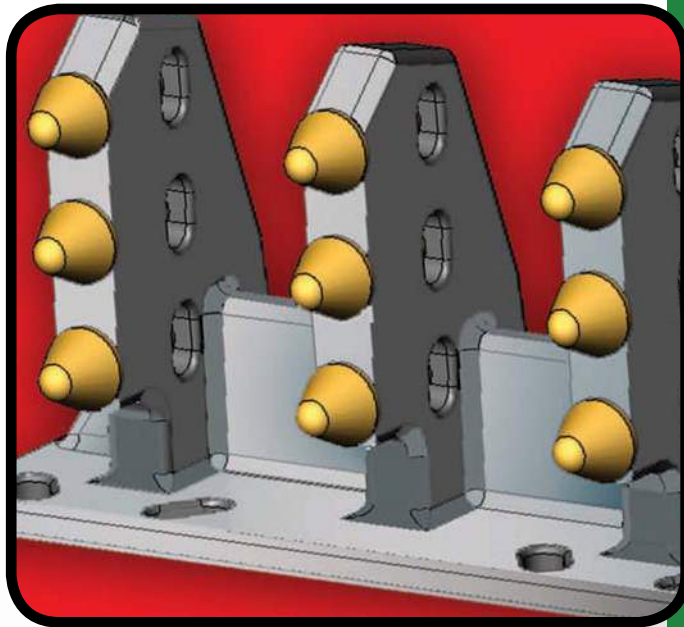
- A** UC Fits Plasser RM-80 / RM-76 Chain Link  
Connector Pin 1.3 X 3.2 Inch  
BTI-300494
- B** UC Hammer Head Bolt to retain Plasser style  
Chain Pin  
BTI-300555



**SPECIFICATIONS:**

Weight: 4,650 Lbs. (2,113.6 KGs)

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## Miscellaneous Parts

Adzer Bits

Spikers

Tie Handlers





# BTI-193041

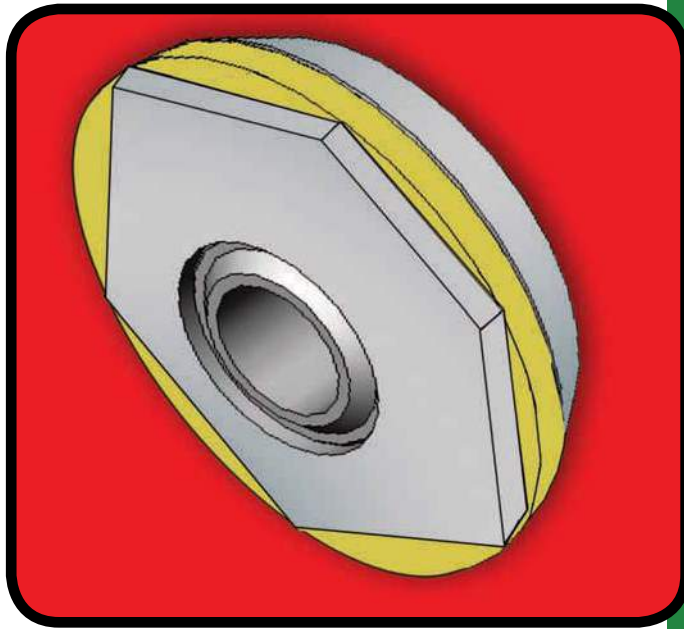
BTI Conical Bit Holder For .765 Series



## SPECIFICATIONS:

|         |          |        |
|---------|----------|--------|
| Height: | 2.25 in. | 57 mm. |
| Length: | 1.75 in. | 44 mm. |
| Width:  | 1.62 in. | 41 mm. |
| Weight: | 1.0 lb.  | 0 kg.  |
| OEM #:  |          |        |

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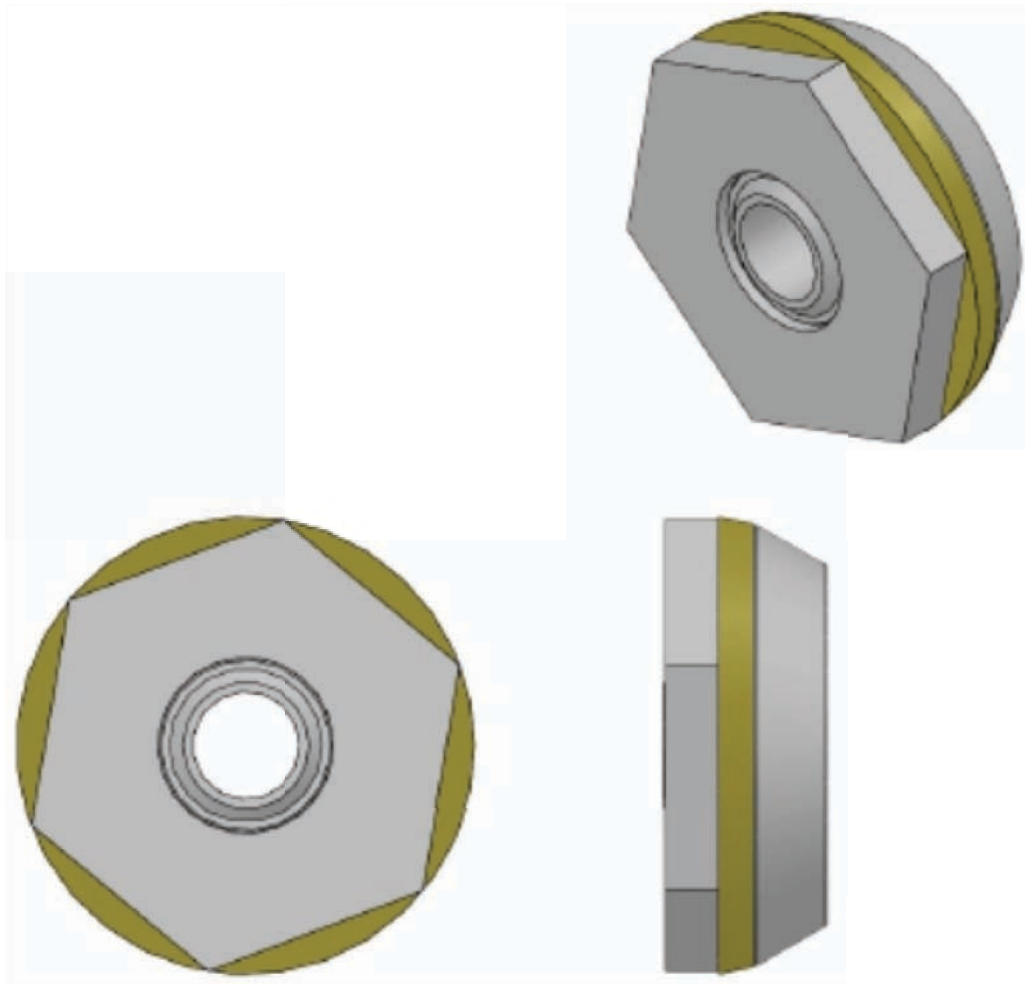
**Adzer Bits**





# BTI-110

BTI Carbide Round Adzer Bit (Hex Cover) \* Fits Kershaw Crawler Adzer



## SPECIFICATIONS:

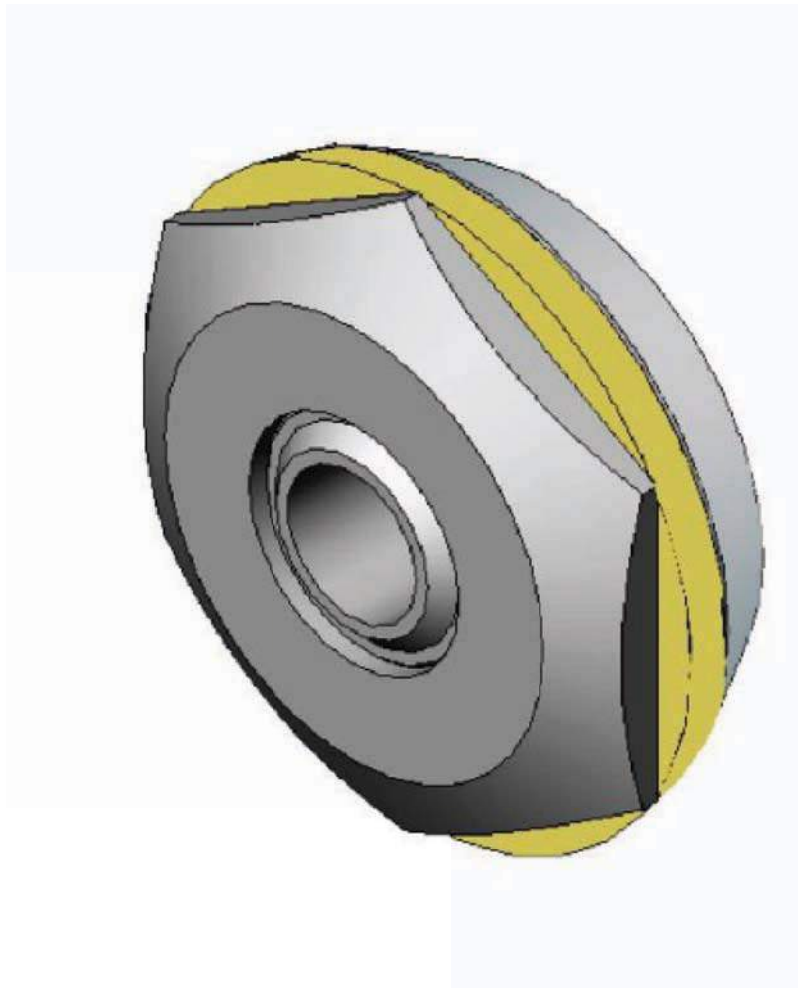
|         |                 |        |
|---------|-----------------|--------|
| Length: | 3.00 in.        | 76 mm. |
| Width:  | 3.00 in.        | 76 mm. |
| Weight: | 2.5 lb.         | 1 kg.  |
| OEM #:  | 580432, 731420, |        |

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## BTI-110-T

BTI Carbide Round Adzer Bit ( Taper  
Hex Cover) \* Fits Kershaw Crawler  
Adzer



### SPECIFICATIONS:

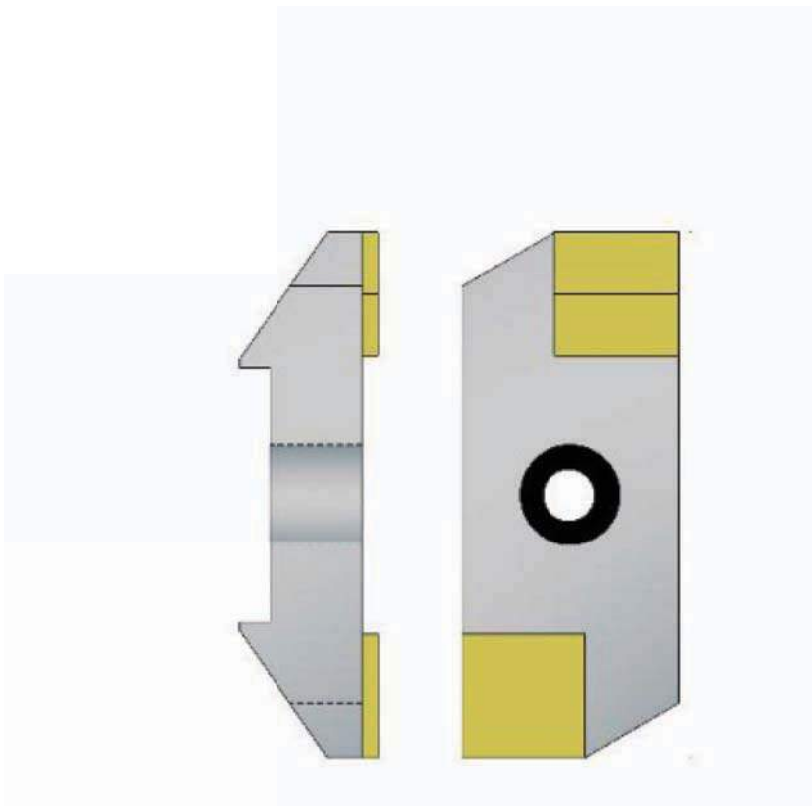
|         |          |        |
|---------|----------|--------|
| Length: | 3.00 in. | 76 mm. |
| Width:  | 3.00 in. | 76 mm. |
| Weight: | 2.5 lb.  | 1 kg.  |
| OEM #:  | 580432,  |        |

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# BTI-200597

BTI Carbide Adzer Bit (2 Sided) \* Fits  
Kershaw Crawler Adzer



## SPECIFICATIONS:

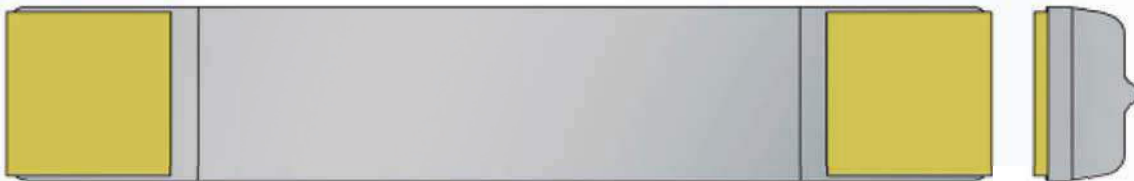
|         |                  |         |
|---------|------------------|---------|
| Length: | 1.70 in.         | 43 mm.  |
| Width:  | 4.30 in.         | 109 mm. |
| Weight: | 1.5 lb.          | 1 kg.   |
| OEM #:  | 580432, 9301193, |         |

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**PD-200**

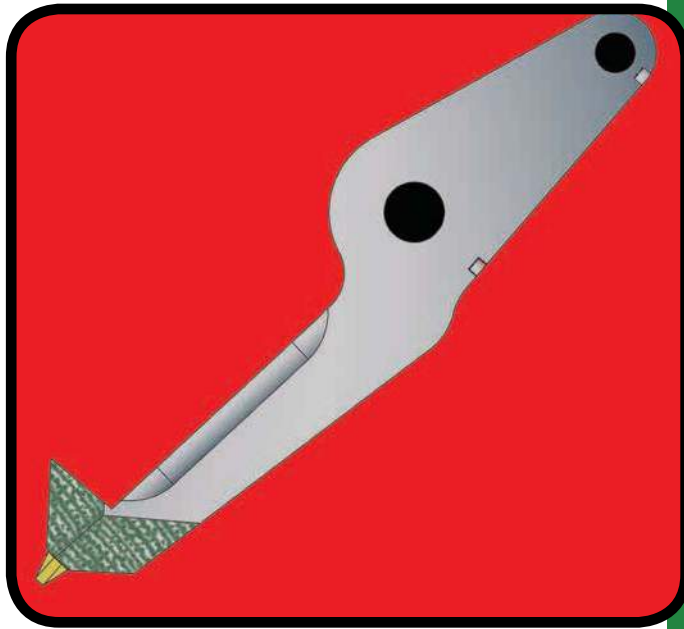
BTI Carbide "Gold" Adzer Bit (2 Sided)  
\* Fits Nordco Adzer



**SPECIFICATIONS:**

Length: 4.50 in. 114 mm.  
Width: 1.00 in. 25 mm.  
Weight: 0.4 lb. 0 kg.  
OEM #: 17650005, 1765006,

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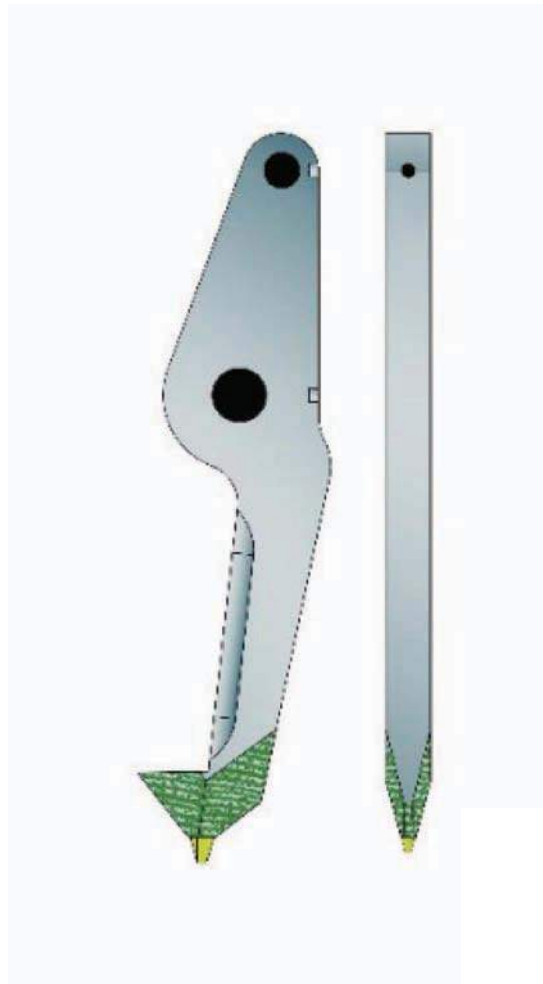
**Spikers**





## BTI-171041

BTI Carbide and TuffCarb Nipper Hook  
\* Fits Nordco Spike Drivers Super B  
and Hydrahammer



### SPECIFICATIONS:

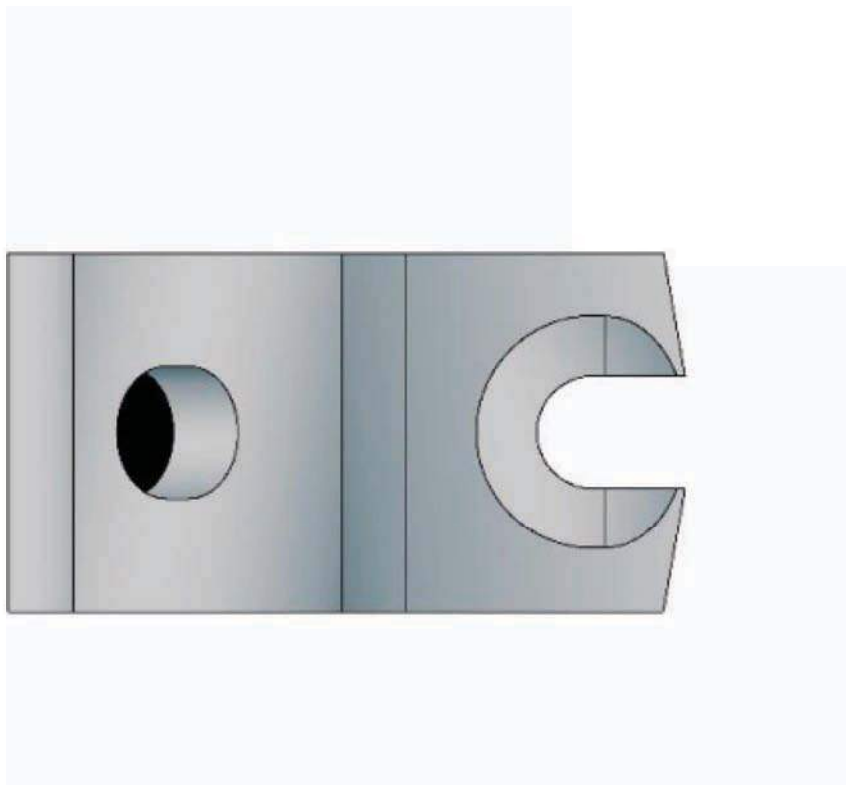
|         |           |         |
|---------|-----------|---------|
| Length: | 21.00 in. | 533 mm. |
| Width:  | 5.00 in.  | 127 mm. |
| Weight: | 19.0 lb.  | 9 kg.   |
| OEM #:  | 44044340, |         |

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# BTI-200825

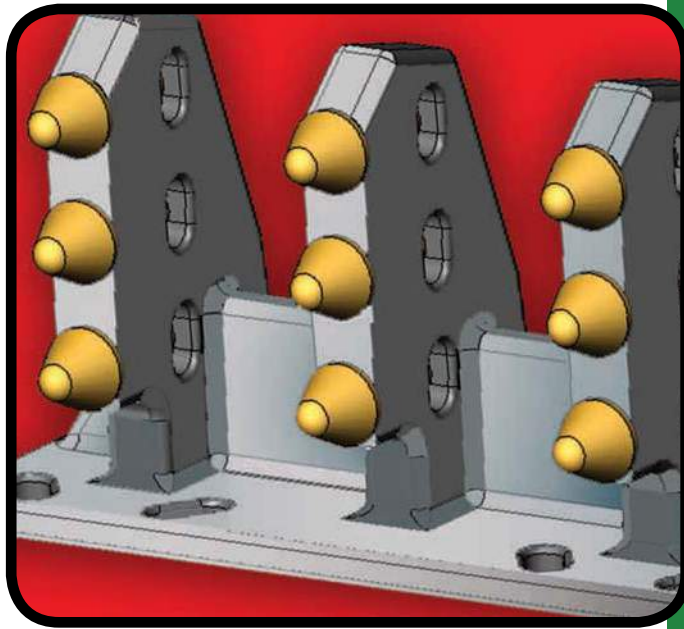
BTI Armorclad Spike Claw Puller \* Fits  
Nordco Ballast Cleaner



## SPECIFICATIONS:

|         |           |         |
|---------|-----------|---------|
| Length: | 5.20 in.  | 132 mm. |
| Width:  | 2.80 in.  | 71 mm.  |
| Weight: | 2.5 lb.   | 1 kg.   |
| OEM #:  | 46650037, |         |

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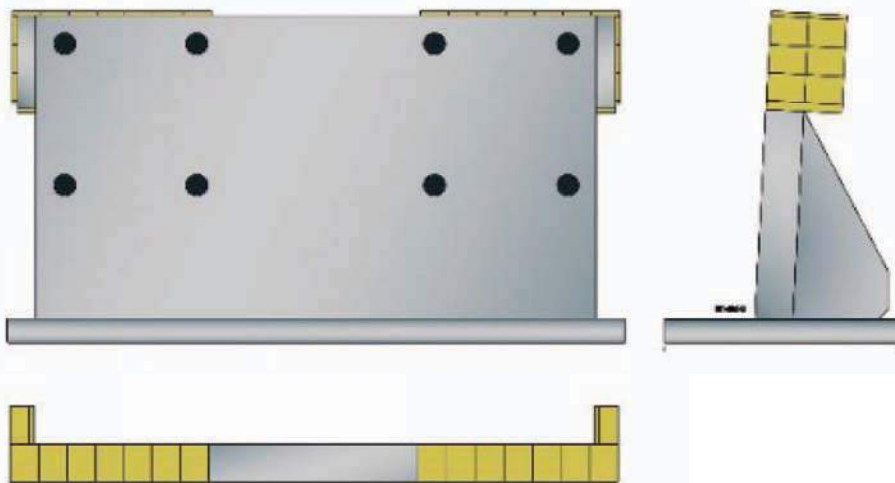
**Tie Handlers**





## BTI-895-B

BTI Tuffcarb Tie Inserter Base Plate \* Fits  
Harsco Fairmont Portec TKO Tie Inserter  
/ Remover



### SPECIFICATIONS:

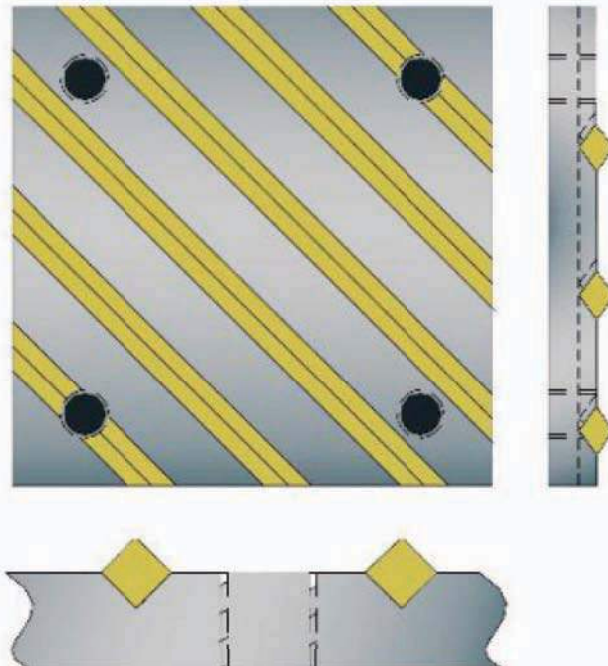
Length: 16.25 in. 413 mm.  
Width: 6.50 in. 165 mm.  
Weight: 62.0 lb. 28 kg.  
OEM #: 107897000, 160987,

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## BTI-895-P

BTI Carbide Tie Inserter Pad \* Fits  
Harsco Fairmont Portec TKO Tie Inserter  
/ Remover



### SPECIFICATIONS:

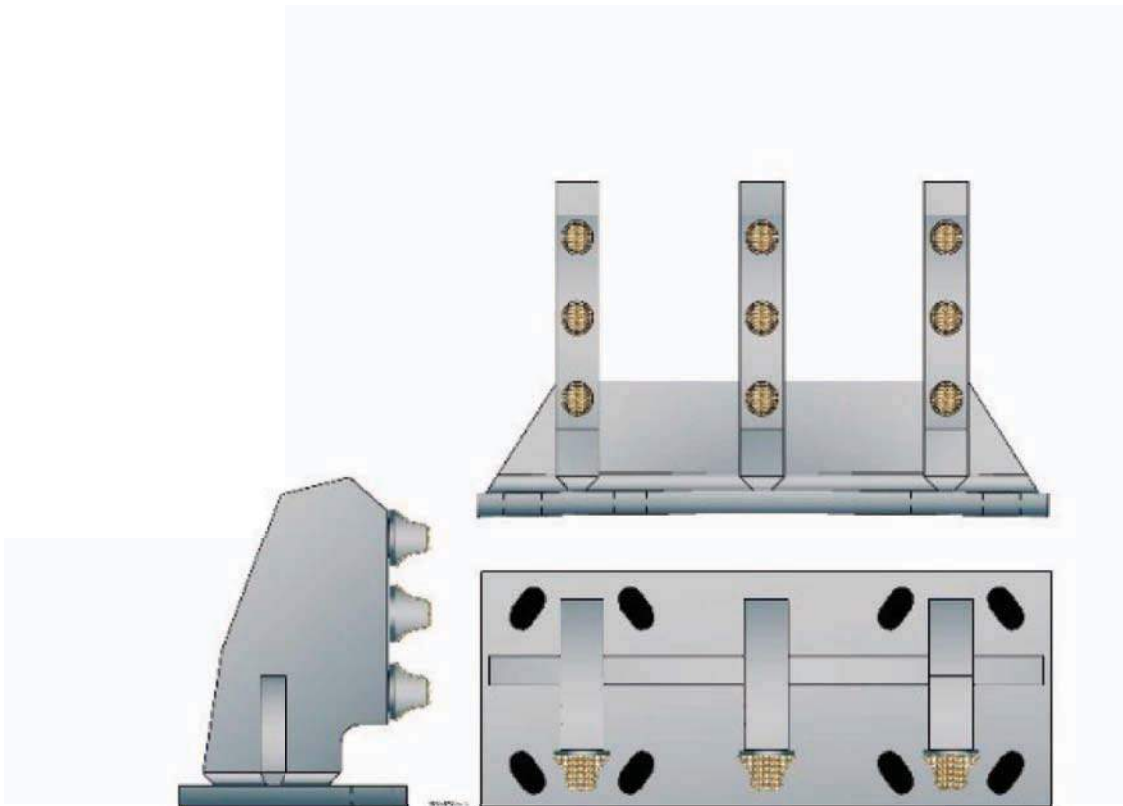
|         |                       |         |
|---------|-----------------------|---------|
| Height: | 0.50 in.              | 13 mm.  |
| Length: | 5.00 in.              | 127 mm. |
| Width:  | 5.00 in.              | 127 mm. |
| Weight: | 4.0 lb.               | 2 kg.   |
| OEM #:  | 107988000, 106515010, |         |

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## BTI-895-R

BTI Hardfaced Tie Remover Assembly \*  
Fits Harsco Fairmont Portec TKO Tie  
Inserter / Remover



### SPECIFICATIONS:

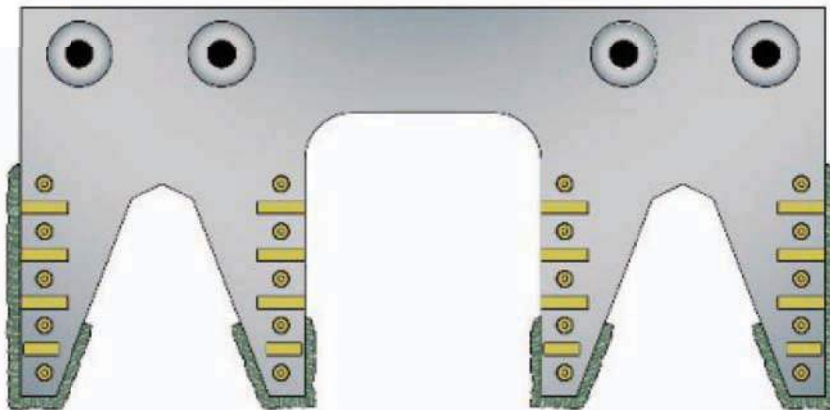
Length: 16.00 in. 406 mm.  
Width: 7.00 in. 178 mm.  
Weight: 61.0 lb. 28 kg.  
OEM #: 106096000, 106151010, B4277Y04E,

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# BTI-170122

BTI Carbide and TuffCarb Tie Jaw  
(Counter-Sunk Holes) \* Fits Harsco TR-  
10 Tie Inserter / Remover



## SPECIFICATIONS:

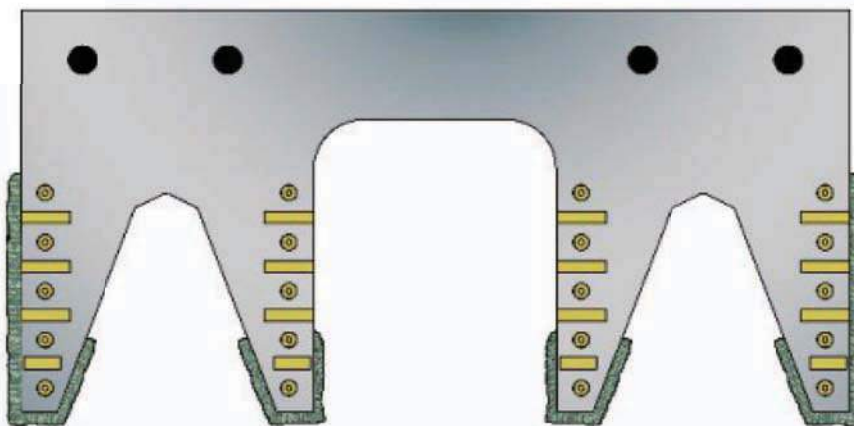
|         |                      |         |
|---------|----------------------|---------|
| Length: | 17.00 in.            | 432 mm. |
| Width:  | 8.00 in.             | 203 mm. |
| Weight: | 28.5 lb.             | 13 kg.  |
| OEM #:  | A3028YAA, A3028YAAF, |         |

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# BTI-170124

BTI Carbide and TuffCarb Tie Jaw  
(Drilled Holes) \* Fits Harsco TR-10 Tie  
Inserter / Remover



## SPECIFICATIONS:

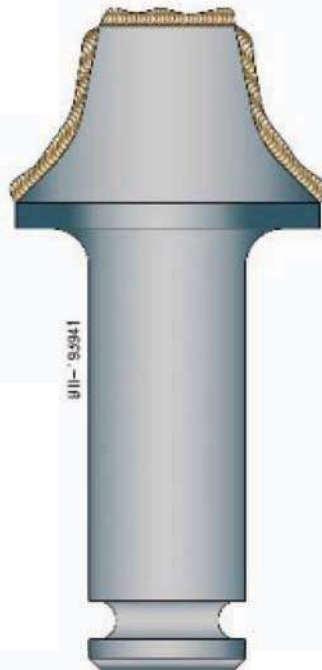
Length: 17.00 in. 432 mm.  
Width: 8.00 in. 203 mm.  
Weight: 25.5 lb. 12 kg.  
OEM #: A3028YAA, 3028YAAH,

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# BTI-193941

BTI TigerCarb Heavy Duty Conical Bit  
(.765" Series) \* Fits Harsco Fairmont  
TKO Tie Inserter / Remover



#### SPECIFICATIONS:

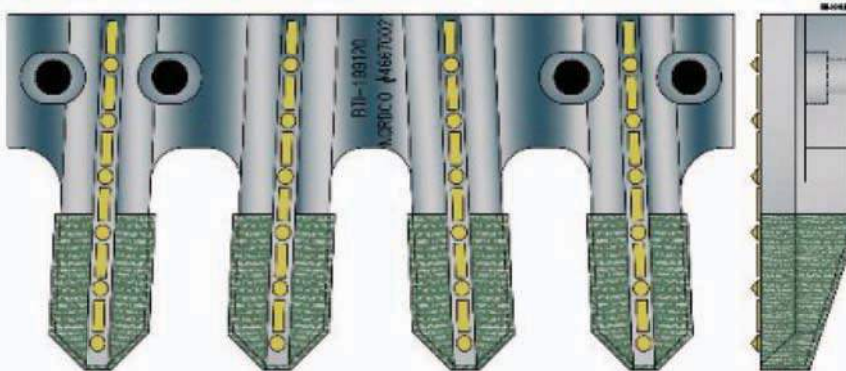
Length: 3.20 in. 81 mm.  
Weight: 0.8 lb. 0 kg.  
OEM #: B4277YO4F, B4277Y04D,

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# BTI-199120

BTI Carbide and TuffCarb Deep Ballast  
Tie Remover Jaw \* Fits Nordco TRIPP  
Tie Exchanger



## SPECIFICATIONS:

|         |           |         |
|---------|-----------|---------|
| Length: | 16.25 in. | 413 mm. |
| Width:  | 8.00 in.  | 203 mm. |
| Weight: | 38.5 lb.  | 17 kg.  |
| OEM #:  | 46670021, |         |

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# BTI Number Cross Reference



| Item Number     | Machine                   | Page | OEM Number                |
|-----------------|---------------------------|------|---------------------------|
| BTI-110         | Kershaw Crawler Adzer     | 144  | 580432, 731420            |
| BTI-110-T       | Kershaw Crawler Adzer     | 145  | 580432                    |
| BTI-170122      | Harsco Tamper TR-10       | 155  | A3028YAA, A3028YAAF       |
| BTI-170124      | Harsco Tamper TR-10       | 156  | A3028YAA, 3028YAAH        |
| BTI-170864      | Harsco Super Gopher GO-4S | 134  | 173861, 173860            |
| BTI-170981      | Kershaw 26                | 74   | 044864                    |
| BTI-170991      | Kershaw 26                | 75   | 044872, 044873            |
| BTI-171031      | Kershaw 46-1              | 76   | 218508, 147626            |
|                 | Kershaw 46-2              |      |                           |
|                 | Kershaw 46-5              |      |                           |
|                 | Kershaw 46-6              |      |                           |
| BTI-171041      | Nordco Super B Hydrammer  | 149  | 44044340                  |
| BTI-180142      | Harsco Super Gopher GO-4S | 135  | C 5347-YAA, B3793Y01(A)   |
| BTI-193041      | .756 Series               | 142  |                           |
| BTI-193801      | Harsco Tamper             | 15   | 01305738101, 1305738101-A |
|                 |                           |      | A3033X01                  |
| BTI-193941      | Harsco Tamper TKO         | 157  | B4277Y04(D), B4277Y04(F)  |
| BTI-196101      | Harsco Jackson 6700       | 9    | 2320331, 2000784          |
| BTI-197185-A    | Nordco GH                 | 119  | B-25788                   |
|                 | Nordco M-2                |      |                           |
|                 | Nordco M-35               |      |                           |
|                 | Nordco M-45               |      |                           |
| BTI-197185-LN-A | Nordco GH                 | 120  | B-25788                   |
|                 | Nordco M-2                |      |                           |
|                 | Nordco M-35               |      |                           |
|                 | Nordco M-45               |      |                           |
| BTI-197195-A    | Nordco GH                 | 121  | B-25787                   |
|                 | Nordco M-2                |      |                           |
| BTI-197195-LN-A | Nordco GH                 | 122  | B25787                    |
|                 | Nordco M-2                |      |                           |
| BTI-197740      | Kershaw 26                | 77   | 194486, 11657,            |
|                 | Kershaw 46-1              |      |                           |
|                 | Kershaw 46-2              |      |                           |
|                 | Kershaw 46-5              |      |                           |
|                 | Kershaw 46-6              |      |                           |
|                 | Knox Kershaw KBR-850      |      |                           |
|                 | Knox Kershaw KBR-875      |      |                           |
|                 | Knox Kershaw KBR-900      |      |                           |
| BTI-197750      | Kershaw 26                | 78   | 194485, 11656             |
|                 | Kershaw 46-1              |      |                           |
|                 | Kershaw 46-2              |      |                           |
|                 | Kershaw 46-5              |      |                           |
|                 | Kershaw 46-6              |      |                           |
|                 | Knox Kershaw KBR-850      |      |                           |
|                 | Knox Kershaw KBR-875      |      |                           |
|                 | Knox Kershaw KBR-900      |      |                           |
| BTI-197940      |                           | 16   | 1050541                   |
| BTI-198275      |                           | 17   | A7660YAA                  |
| BTI-198695      | Nordco GH                 | 123  | B-25104, B-27665          |
|                 | Nordco M-2                |      |                           |
| BTI-198845      | Kershaw 26                | 102  | 580353, 151438            |
|                 | Kershaw 46-1              |      |                           |



# BTI Number Cross Reference

(continued)

| Item Number  | Machine                        | Page | OEM Number                                |
|--------------|--------------------------------|------|-------------------------------------------|
|              | Kershaw 46-2                   |      |                                           |
|              | Kershaw 46-5                   |      |                                           |
|              | Kershaw 46-6                   |      |                                           |
|              | Kershaw 46-6-2                 |      |                                           |
|              | Knox Kershaw KBR-850           | 95   |                                           |
|              | Knox Kershaw KBR-875           |      |                                           |
|              | Knox Kershaw KBR-875-NA        |      |                                           |
|              | Knox Kershaw KBR-900           |      |                                           |
|              | Nordco GH                      |      |                                           |
| BTI-199120   |                                | 158  | 46670021                                  |
| BTI-199138   | Kershaw 26                     | 125  | n/a                                       |
|              | Kershaw 46-1                   |      |                                           |
|              | Kershaw 46-2                   |      |                                           |
|              | Kershaw 46-5                   |      |                                           |
|              | Kershaw 46-6                   |      |                                           |
|              | Kershaw 46-6-2                 |      |                                           |
|              | Knox Kershaw KBR-850           | 95   |                                           |
|              | Knox Kershaw KBR-875           |      |                                           |
|              | Knox Kershaw KBR-875-NA        |      |                                           |
|              | Knox Kershaw KBR-900           |      |                                           |
|              | Nordco GH                      |      |                                           |
|              | Nordco M-2                     |      |                                           |
|              | Nordco M-35                    |      |                                           |
|              | Nordco M-45                    |      |                                           |
|              | Plasser PBR-550                |      |                                           |
| BTI-200526   | Kershaw 46-6-2                 | 81   | 224212                                    |
| BTI-200535   | Kershaw 46-6-2                 | 82   | 224186                                    |
| BTI-200540   | Kershaw 46-6-2                 | 83   | 224187                                    |
| BTI-200553   |                                | 126  | A-27669, A25094                           |
| BTI-200574   | Nordco                         | 127  | 63082005                                  |
| BTI-200581   | Nordco                         | 128  |                                           |
| BTI-200597   | Kershaw Crawler Adzer          | 146  | 580432, 9301193                           |
| BTI-200602   | Knox Kershaw KBR-900           | 104  | 9001018                                   |
| BTI-200611   | Knox Kershaw KBR-900           | 84   | 9001399                                   |
| BTI-200825   | Nordco Ballast Cleaner         | 150  | 46650037                                  |
| BTI-200900   | Knox Kershaw KBR-875           | 85   |                                           |
| BTI-215C     | Harsco Tamper Mark III-Mark IV | 12   | AM2E302202KUSA,<br>2408332001, A8281X     |
| BTI-215L     | Harsco (HTT) Fairmont Tamper   | 13   | A8281XAB, 02408332001                     |
|              | Harsco Tamper Mark I-Mark VII  |      | D2752Y01, 0-2300493-0-01                  |
| BTI-215R     | Harsco (HTT) Fairmont Tamper   | 14   | A8281XAA, 02048332002                     |
|              | Harsco Tamper Mark I-Mark VII  |      | D2752Y02, 0-2300493-0-10,<br>02408332002A |
| BTI-300016   | Knox Kershaw KBR-875-NA        | 105  | 9012083                                   |
| BTI-300051   |                                | 137  |                                           |
| BTI-300210   | Mad Max Undercutter            | 138  |                                           |
| BTI-301308   | Plasser Undercutter            | 139  |                                           |
| BTI-302157   | Plasser Undercutter            | 140  |                                           |
| BTI-515D-MXC | Plasser 07                     | 26   | 2E 30.120 2 AK                            |
|              | Plasser 08                     |      | AM-2E-30-120-AKR                          |



# BTI Number Cross Reference

(continued)

| Item Number   | Machine                 | Page | OEM Number                    |
|---------------|-------------------------|------|-------------------------------|
| BTI-515D-MXR  | Plasser 09              |      | CU30.402011                   |
|               | Plasser 07              | 27   | 2E-30.1202AKR, CU 30.4320IV   |
|               | Plasser 08              |      | CU30.4520FR II, AM2E-         |
|               | Plasser 09              |      |                               |
| BTI-515N-MXC  | Plasser 07              | 28   | AM2E302202KUSA                |
|               | Plasser 08              |      |                               |
|               | Plasser 09              |      |                               |
| BTI-515N-MXL  | Plasser 07              | 29   | CU 304020FIII, CU30.4020111   |
|               | Plasser 08              |      |                               |
|               | Plasser 09              |      |                               |
| BTI-515N-MXNC |                         | 30   |                               |
| BTI-515N-MXR  | Plasser 07              | 31   | CU 304020FII, CU 30.4220FRIV, |
|               | Plasser 08              |      | CU30 4220 IV, CU30.402011     |
|               | Plasser 09              |      |                               |
| BTI-535D-MXC  | Plasser 07              | 32   | CU 30.3820FRI, CU 30.43201,   |
|               | Plasser 08              |      | CU.30.421-FRI, CU30.4520FRI   |
|               | Plasser 09              |      |                               |
| BTI-535N-AXC  |                         | 33   | B3890X01, CU304720FRI,        |
|               |                         |      | CU304620FRI, CU304820FRI      |
| BTI-535N-MXC  | Plasser 07              | 34   | CU 30.4220I, CU30220 USA      |
|               | Plasser 08              |      | CU 304020FI                   |
|               | Plasser 09              |      |                               |
| BTI-560-C     | Plasser 09              | 40   | CU30 7620FRI                  |
|               |                         |      | CU30 8820FR1                  |
| BTI-560-L     | Plasser 09              | 41   | CU307620FRIII                 |
| BTI-560-LN    | Plasser 09              | 42   | CU307620FRV                   |
| BTI-575       |                         | 44   | U211205UF, CU306820BEFRI      |
| BTI-576       |                         | 45   | CU3045201, CU30421FR1,        |
|               |                         |      | CU30421FRI, CU304520FR1       |
| BTI-635       | Harsco Jackson 6400     | 8    | 33092-1, 340180-1             |
|               | Harsco Jackson 6700     |      | 412690-1, CT-500K             |
| BTI-720       | Kershaw 26              | 61   | 207964, 581796, 740252        |
|               |                         |      | 207964C, 207961C, 700823      |
|               |                         |      | 581796, 207960, 35625,        |
|               |                         |      | 35628                         |
| BTI-727       | Kershaw 26              | 62   | 207960, 207961, 207964        |
|               |                         |      | 740254, 702667, 702941        |
|               |                         |      | 35628, 581796, 35625,         |
|               |                         |      | 702641, 702667(A)             |
| BTI-728       | Kershaw 46-2            | 63   | 223418, 740255, 20023584      |
|               | Kershaw 46-6            |      |                               |
|               | Kershaw 46-6-2          |      |                               |
| BTI-729       | Kershaw 46-2            | 64   | 223418A, 740256, 223418       |
| BTI-730MAX    | Kershaw 26              | 113  | 116657, 194486, 155153        |
|               | Kershaw 46-1            |      |                               |
|               | Kershaw 46-2            |      |                               |
|               | Kershaw 46-5            |      |                               |
|               | Kershaw 46-6            |      |                               |
|               | Kershaw 46-6-2          |      |                               |
|               | Knox Kershaw KBR-850    |      |                               |
|               | Knox Kershaw KBR-875    |      |                               |
|               | Knox Kershaw KBR-875-NA |      |                               |
|               | Knox Kershaw KBR-900    |      |                               |

# BTI Number Cross Reference

(continued)



| Item Number            | Machine                 | Page | OEM Number                              |
|------------------------|-------------------------|------|-----------------------------------------|
| BTI-730MAX-CT          | Kershaw 26              | 97   | 116657, 194486, 155153                  |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |
|                        | Knox Kershaw KBR-900    |      |                                         |
| BTI-740MAX             | Kershaw 26              | 67   | 116656, 194485, 155152                  |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
| BTI-740MAX (continued) | Kershaw 46-6            | 60   | 116656, 194485, 155152                  |
|                        | Kershaw 46-6-2          |      |                                         |
|                        | Knox Kershaw KBR-850    |      |                                         |
|                        | Knox Kershaw KBR-875    |      |                                         |
|                        | Knox Kershaw KBR-875-NA |      |                                         |
| BTI-740MAX-CT          | Knox Kershaw KBR-900    | 68   | 116656, 194485, 155152                  |
|                        | Kershaw 26              |      |                                         |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |
| BTI-741                | Knox Kershaw KBR-900    | 91   | 9001087                                 |
|                        | Kershaw 26              | 69   | 173562, 035282, 1034400992              |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |
| BTI-742                | Kershaw 46-6-2          | 70   | 173563, 035276, 10344001                |
|                        | Kershaw 26              |      |                                         |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |
| BTI-750-1              | Kershaw 46-6-2          | 101  | 176386, 109617, 109617A                 |
|                        | Kershaw 26              |      |                                         |
|                        | Kershaw 46-1            |      |                                         |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |
| BTI-750-1-7            | Kershaw 46-6-2          | 60   | 109617B, 740253                         |
|                        | Knox Kershaw KBR-850    |      |                                         |
|                        | Knox Kershaw KBR-875    |      |                                         |
|                        | Knox Kershaw KBR-875-NA |      |                                         |
|                        | Knox Kershaw KBR-900    |      |                                         |
|                        | Nordco GH               |      |                                         |
| BTI-750-1-M            | Nordco M-2              | 73   | 176386, 109617, 109617A, 10967B, 740253 |
|                        | Kershaw 26              |      |                                         |
| BTI-750-M              | Kershaw 46-1            | 71   | 147473M, 505-4137-0                     |
|                        | Kershaw 46-2            |      |                                         |
|                        | Kershaw 46-5            |      |                                         |
|                        | Kershaw 46-6            |      |                                         |



# BTI Number Cross Reference

(continued)

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|-------------|-------------------------|------|------------------------|
|             | Kershaw 46-6            |      |                        |
|             | Kershaw 46-6-2          |      |                        |
|             | Knox Kershaw KBR-850    |      |                        |
|             | Knox Kershaw KBR-875    |      |                        |
|             | Knox Kershaw KBR-875-NA |      |                        |
|             | Knox Kershaw KBR-900    |      |                        |
| BTI-765-CB  | Harsco Small Trac GO-4  | 133  | B4277Y04, B4277Y04(B)  |
|             | Harsco Tamper TKO       |      |                        |
| BTI-895-B   | Harsco Tamper TKO       | 152  | 107-897-000, 160987    |
| BTI-895-P   | Harsco Tamper TKO       | 153  | 107988000, 106515010,  |
| BTI-895-R   | Harsco Tamper TKO       | 154  | 106-096-000, 106151010 |
|             |                         |      | B4277Y04E              |
| PD-200      | Kershaw Crawler Adzer   | 147  | 17650005, 1765006      |





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