

# ***ATTACHMENTS***

FOR SCREEDS & PAVERS



## **ATTACHMENTS**

LED Blade Light<sup>TM</sup>

Carlson Safety Edge

Joint Density Attachments

Heated Bolt-on Extensions

Tapered Notch & Compaction Sleds

# LED BLADE LIGHT™

Roadway construction zones are dangerous, and adding in the element of night introduces greater threats to crew safety. The Carlson LED Blade Light, one of the brightest industrial grade lighting systems on the market, combines the high output and efficiency of LED's with a low profile, directional lighting platform to enhance the safety of workers and motorists on nighttime paving projects by eliminating dangerous glare and shadows.



**The Industry's Leading Platform  
For Mobile Equipment Illumination**

## Safer Nightwork Starts With Safer Lighting

With its easy to adjust ball mounted joints, the LED Blade Light can be simply adjusted to direct light to where it is needed most. Combined with its low profile design and state-of-the-art LED's, the LED Blade Light eliminates dangerous and distracting glare while producing the equivalent light output as a 2000 watt halogen light. And with its dual blades, operators can use the system for both flood and directional lighting, fully illuminating their platform for safer performance.

While halogen and high intensity discharge (HID) lights create and disperse heat, the LED Blade Light always stays cool to touch even after hours of use. This feature helps keep crews comfortable, allowing adjustment of the lights without worry of burns. It also means that crews no longer have to wait around for cool down times, as the LED Blade Light can be taken down and packed up as soon as the job is done.





## Unparalleled Versatility

With the LED Blade Light's 12/24vDC and 110/240vAC compatibility, owners are able to mount the system on to nearly any mobile equipment in their fleet. From asphalt pavers and rollers to milling machines and brooms, contractors are able to brilliantly illuminate their platforms while creating safe conditions by eliminating dangerous glare and shadows. Even for commercial contractors, the LED Blade Light is able to enhance nighttime paving performance and safety whether on large scale parking lots or small municipal streets scheduled for night work.



## Durable And Rugged

A platform designed to IP65 specifications and from durable components, the LED Blade Light gives owners brilliant illumination regardless of the elements, making the platform ideal not only for mobile equipment lighting but also for flagging stations, stationary illumination and more. Included with every LED Blade Light system is a heavy-duty carrying case, allowing contractors to safely and securely transport and store their system from jobsite to jobsite.

## Specifications

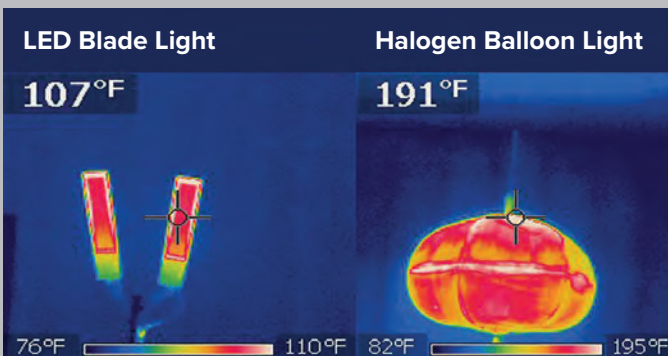
**Power:** 110/240v AC 50/60Hz and 12/24v DC

**Configurations:** Single and Dual Head

**Cool-Down Time:** None

**Lifespan:** 50,000 hours

**Heat Output:**



# CARLSON SAFETY EDGE

The industry leader in versatility, performance and ease of use, the patented Carlson Safety Edge is the contractor's choice for creating accurate 30 degree beveled edges for safer, longer lasting roads. The only endgate mounted Safety Edge<sub>SM</sub> builder on the market approved by the FHWA, the Carlson Safety Edge requires no drilling or modification when attaching to the screed.



## The Industry's Leading Attachment For Producing Safer Roadway Edges

### A Better Attachment For Safer Roadways

Findings by the Federal Highway Administration (FHWA) have found that attempts to reenter roadways are one of the major contributors to vehicular related deaths. By creating a Safety Edge<sub>SM</sub> or a 30 degree compacted edge, roadways become drastically safer for vehicles to reenter. Seeing the need to advance the safety of roadways and create a reliable, easy to use attachment to construct this safety feature, Carlson introduced the patented Carlson Safety Edge. Carlson offers the Safety Edge<sub>SM</sub> attachment for a wide variety of screed platforms, enabling contractors to use the operator friendly attachment on any of their machines. From front mounts to rear mounts, Carlson designs and builds every Carlson Safety Edge to the specifications of your particular screed. This allows for quick mounting without the need of drilling or modification.

As more states and Departments of Transportation adopt Safety Edge<sub>SM</sub> requirements on jobsites, look to the Carlson Safety Edge for the most user-friendly, reliable, and accurate attachment solution for your screed. Contact your Carlson screed dealer or your Carlson Regional Manager to receive more information on the industry's leading attachment for constructing lifesaving roadway edges.



## On-The-Fly Adjustability

The Carlson Safety Edge, with the use of the center jack, is able to be manually adjusted from 30 degrees to flat with just a few turns of the handle. This enables quick adjustments on the fly from tapered edge to joint matching when approaching curbs, bridges or driveways. Unlike other Safety Edge<sub>SM</sub> attachments, which are fitted to the inside of the screed, the endgate mounted Carlson Safety Edge does not interfere with the augers or prevent full closure of the extensions. And because it functions as part of the endgate there are no negative impacts on screed plates.

## Heat And Extrusion

Every Carlson Safety Edge comes standard with an electric heat element. These long lasting, state-of-the-art elements provide even and efficient heat to the attachment, enabling extrusion of material and sealing of the edge. Heating of the attachment also eliminates cold spots from forming, allowing for clean formed edges. Built with heavy duty components, including 450 Brinell rated steel, the Carlson Safety Edge outlasts similar attachments while ensuring consistent paving quality use after use.

## Available For Most Screeds

### CARLSON SCREEDS

Carlson EZIII/III.5  
Carlson EZIV/EZV  
Carlson EZR2  
Carlson EZC813  
Carlson EZC815

### CATERPILLAR® SCREEDS

8-16B/10-20B/AS3301C  
AS2302/AS2252C/AS2302C  
AS2301/AS2251

### VOGELE® SCREEDS

HF400E  
HR500  
VF500/VF600

### ROADTEC® SCREEDS

Eagle 8/10  
S Scream

### VOLVO®/BLAW-KNOX® SCREEDS

Ultimat/Ultimat200  
Omni 318  
Omni IIIA/IIIE  
Omni 1A  
Omni 1000  
Opti 320R  
Wedge-Lock

### ROADTEC® SCREEDS

Eagle 8/10  
S Scream

### WEILER® SCREEDS

SE8/SE10  
SF8/SF10

And Many More Including New  
And Past Front- and Rear-Mount  
Screeds.



# JOINT DENSITY ATTACHMENTS

Poor density at the longitudinal joint drastically reduces the lifespan of roadways and can cause premature failure of the road. That is why Carlson, the leader in asphalt paving technology and innovation for over 30 years, created the 4" High Density Bolt-on and Sideload Attachment. By working in unison, Carlson's attachments help contractors greatly improve density figures at the longitudinal joint and to meet emerging jobsite specifications.

## Achieving Greater Joint Density For Longer Lasting Roadways



## Achieving Greater Longitudinal Joint Density

Unique to Carlson's joint density attachments, the 4" High Density Bolt-on and Sideload attachment extrude greater amounts of material into the longitudinal joint for more impervious, longer lasting roadways. Through use of state-of-the-art heating elements and simple, external adjustment points, the Sideload attachment gives operators up to four times edge compaction while the 4" High Density Bolt-on creates up to four times angle of attack for exceptional joint density figures.

Available exclusively for Carlson's front- and rear-mount highway-class platforms, contractors are able to pair renowned Carlson screed mat quality with the ability to enhance joint density figures from the 4" High Density Bolt-on and Sideload attachment.



## Heavy-Duty Designs

Both the 4" High Density Bolt-on and Sideload Endgate attachments come standard with state-of-the-art heating elements that help increase extrusion of the material while preventing cold spots from forming. And like all of Carlson's screed attachments, the 4" Bolt-on and Sideload Attachment are built with heavy duty components to give operators the instruments to achieve joint density targets season after paving season.



## Maximize Density Figures

Unlike other systems that create "Michigan" or stepped joints, which are unable to be compacted properly, Carlson's Joint Density Attachments allow for rollers to be placed on the joint immediately. In doing so, contractors are able to maximize the density figures at the longitudinal joint, creating a more impervious joint for longer lasting roadways.

## Carlson V3 Endgate Platform

Carlson's Sideload Attachment utilizes the revolutionary V3 endgate platform that enables operators to quickly swap attachment shoes rather than entire endgates. Through use of a bolt system, an operator can switch from a Sideload shoe to a Carlson Safety Edge shoe quickly and with ease. And because the only part that is being replaced is the shoe, the safety for operators installing the attachments is greatly increased by eliminating heavy lifting.

The V3 endgate platform is already equipped on most Carlson screeds 2013 and newer, and is available for older Carlson platforms. With its considerable reduction of downtime, increased productivity and enhancement of crew safety during set up, the V3 has become a must have for contractors.



# HEATED BOLT-ON EXTENSIONS

Throughout the industry, Carlson's front- and rear-mount screeds are renowned for their unparalleled wide width ability and unsurpassed mat quality. They are able to achieve these feats through Carlson's innovative and robust extension support systems, as well as the industry's leading heated bolt-ons. Available in a multitude of widths, Carlson's heated bolt-ons provide contractors ease of use and unrivaled performance.

## Leading Wide Width Paving Ability With Carlson's Bolt-on Extensions



## Wide Width Ability

Designed exclusively for Carlson's front- and rear-mount highway-class screeds, as well as Carlson's commercial-class EZC screeds, each heated bolt-on extension easily installs on to the extension body of the screed. With mounting plates that keep the angle of attack and bolt-on heights in parallel with the screed's extensions, the Carlson heated bolt-on extensions ensure uniform mat consistency and quality across the entire width of the pass. These widths include:

- EZIV08 up to 22 feet (6.7m)
- EZV10 up to 25 feet (7.6m)
- EZIV10 up to 26 feet (7.9m)
- EZR2 up to 30 feet (9.1m)

For contractors looking to go wide with multiple bolt-on extensions, Carlson offers the Wide Width Kit. Adding greater rigidity and support for the bolt-on's, the Wide Width Kit eliminates bowing while still allowing vertical movement of the bolt-on lowers.





## Heavy-Duty Designs

Constructed with heavy duty materials and over 30 years of leading screed experience, each Carlson heated bolt-on is built to give operators superior paving performance while ensuring longer attachment lifecycle. Standard with state-of-the-art heating elements and built in Y-cable, mat quality is kept uniform across the entire width of the screed while providing power to additional bolt-ons and heated endgates.\*

\*Dependent upon tractor and generator

## EZ-Lock Bolt-on Extensions

Available exclusively for the EZV are Carlson's EZ-Lock bolt-on extensions, enabling the screed to be used as a fixed width platform for paving widths up to 30 feet (9.1m). Easily attaching to the main screed frame through its robust bolt pattern, the EZ-Lock bolt-on extensions can be equipped with or without vibration, depending on the application, and are available in straight or crownable versions.

## Variety Of Options

### CARLSON EZC815

12" LH & RH

### CARLSON EZCSS

12" LH & RH

### CARLSON EZIII SCREED

12" LH & RH

18" LH & RH

24" LH & RH

Wide Width Bracket Kit

### CARLSON EZIV SCREED

12" LH & RH

18" LH & RH

24" LH & RH

24" 1 Piece Universal

Wide Width Bracket Kit

### EZV SCREED

12" LH & RH

18" LH & RH

24" LH & RH

24" 1 Piece Universal

12" EZ-Lock Fixed Width

24" EZ-Lock Crownable Fixed Width

36" EZ-Lock Fixed Width

Wide Width Bracket Kit

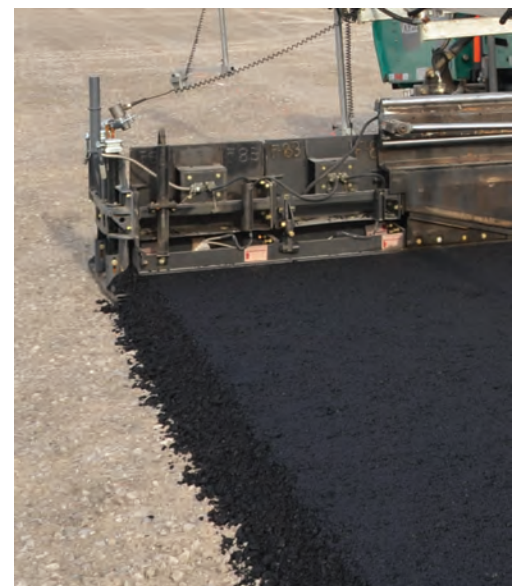
### CARLSON EZR2 SCREED

16" Universal

28" Universal

Wide Width Bracket Kit

Pre-Strike Off Kit



# TAPERED NOTCH & SLEDS

The industry's leading attachment for creating safe work zone transitions from the existing roadway surface to the new pavement, the Carlson Bolt-on Tapered Notch easily attaches to nearly any front and rear mount screed without the need of taping holes for installation. Contractors can also combine the Bolt-on Tapered Notch with the optional Heavy or Small Sled for added compaction and density of the transition.



Leading The Way In Creating  
**Safer Roadway Transitions**

## A Better Attachment For Safer Workzones

The Carlson Tapered Notch utilizes easily accessible adjustment points to combine on-the-fly adjustability with user-friendly operation to achieve better results. Capable of adjusting from a 2" lift to joint matching with just a few turns of the jack, the Tapered Notch can also be adjusted from ½" above mat thickness to 2 ½" below.

Built from heavy duty components and state-of-the-art electric heating elements, the Carlson Bolt-on Tapered Notch is able to give operators a longer attachment lifecycle while ensuring consistent performance and mat quality. The attachment is spring loaded so as to not interfere with the screed's ride characteristics. And with the Tapered Notch's design, the attachment increases the material containment of the inside of the pass compared to traditional paving.

Available in 12" and 18" widths and for right-hand and left-hand configurations, the Bolt-on Tapered Notch is a must have for state and highway contractors looking to improve work zone safety.



## Compaction Sleds

The Bolt-on Tapered Notch and optional Heavy Sled work in tandem to create compacted tapered edges that help improve overall density of the transition due to the inability to roll such edges. The Heavy Sled is built standard with dual heating elements and vibration, with the sled's eccentric weight vibration system able to be adjusted from 0 to 3000 vibrations per minute. With the ability to ballast up to 400 pounds using heavy steel plates that can be added or removed, the Heavy Sled gives contractors a long lasting and high performance compactor for their Bolt-on Tapered Notch attachment.

Also available with the Tapered Notch is the Carlson Small Sled, built standard with a single advanced electric heating element and tray for additional weight. Best for small applications, the Small Sled can also double as a berm compactor with its ability of angle adjustment.

## Available For Most Screeds

### CARLSON SCREEDS

Carlson EZIII/III.5  
Carlson EZIV  
Carlson EZV  
Carlson EZR2  
Carlson EZC815

### CATERPILLAR® SCREEDS

8-16B  
10-20B/AS3301C  
AS2302/AS2252C/AS2302C  
AS2301/AS2251  
SE50/SE60

### CEDARAPIDS® SCREEDS

Stretch16  
Stretch20

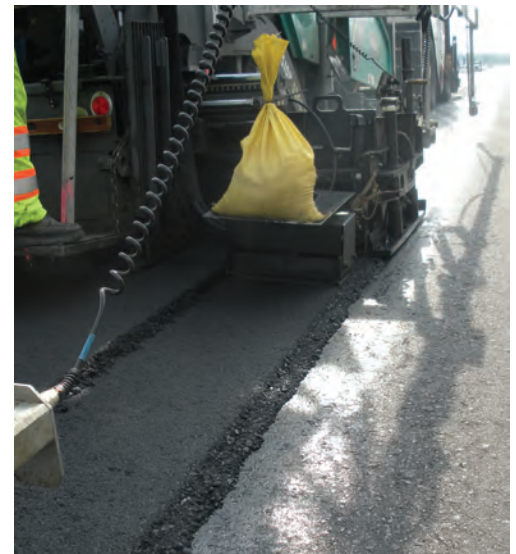
### VOLVO®/BLAW-KNOX® SCREEDS

Ultimat/Ultimat200  
Omni 318  
Omni IIIA/IIIE  
Opti 320R

### ROADTEC® SCREEDS

Eagle 8  
Eagle 10

And More Including New And  
Past Front- and Rear-Mount  
Screeds.



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