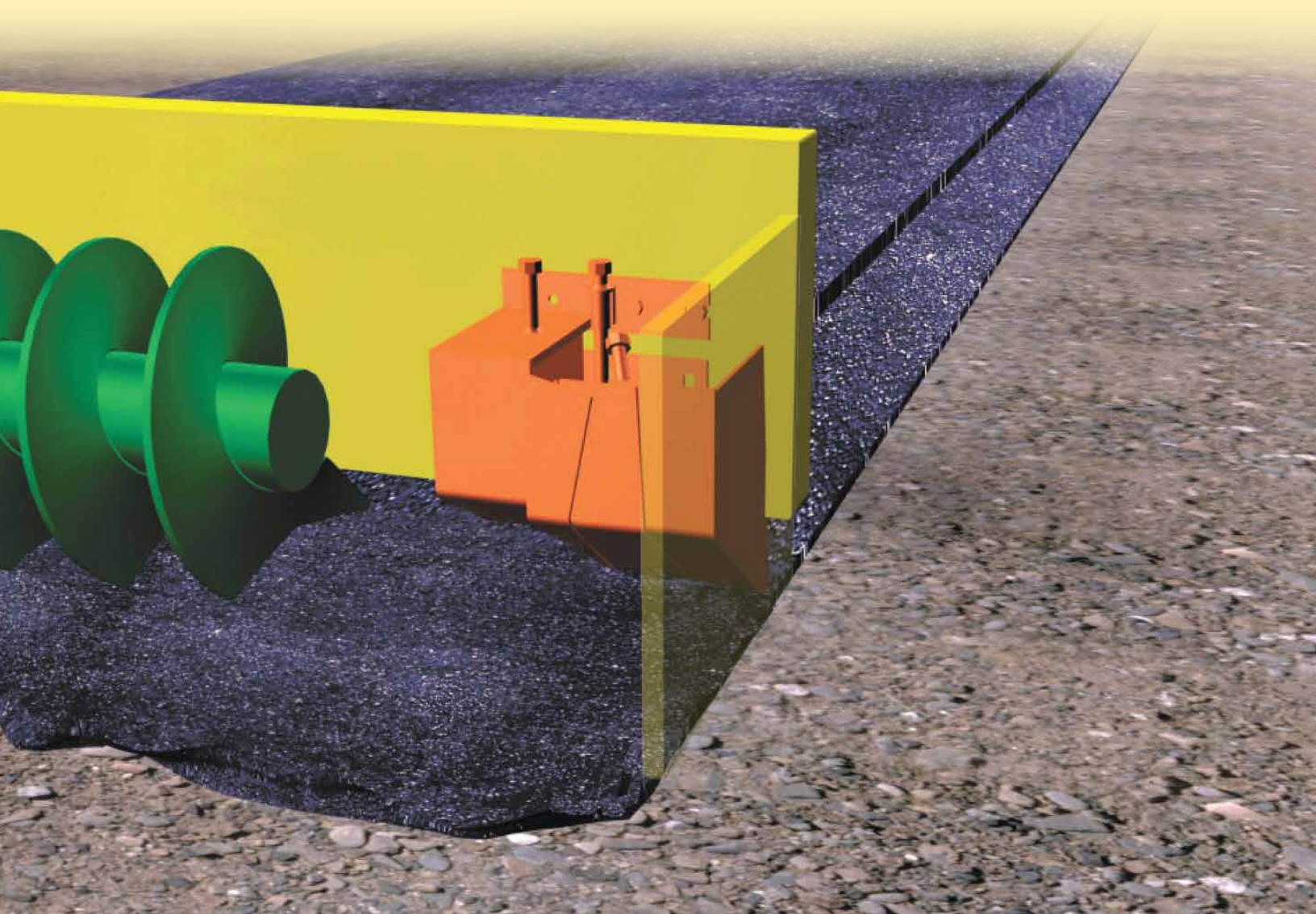


- Provides notch and wedge joint shaping for increased durability of the joint
- Provides safety ramp off the mat during construction periods
- Fits most mainline paver screeds
- Easy to install. Easy to adjust on the run
- Available in two different ramp width sizes 12" and 5.75"



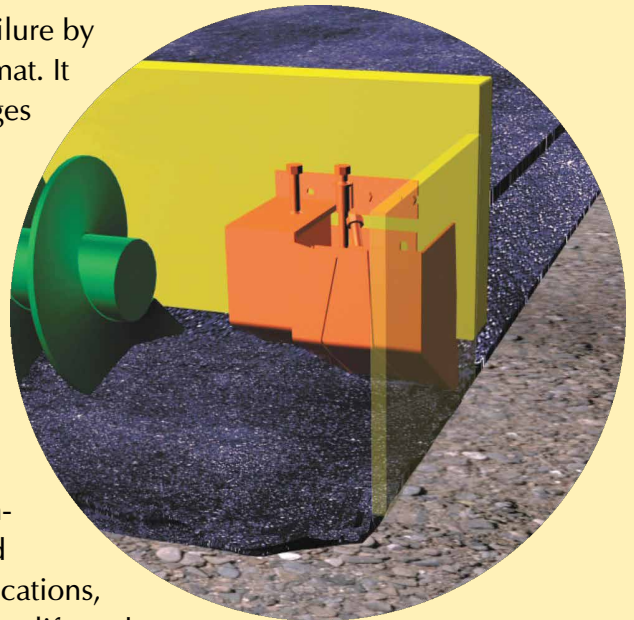


Notched Wedge Joint Maker

Long-term monitoring of asphalt road structures has proven that the failure of the longitudinal joint is the primary cause of asphalt mat failure in road construction. And the number one reason for this failure is poor density of the joint during construction. TransTech's Notched Wedge Joint Maker (NWJM) is designed to pre-

vent longitudinal joint failure by shaping the edge of the mat. It provides two vertical edges for confinement plus an adjustable tapered wedge for superior interlock and higher densities following joint compaction.

Following many years in the field working for many different jurisdictions, the NWJM has consistently met or exceeded joint performance specifications, while increasing pavement life and decreasing maintenance costs. Depending on the mix and ambient conditions, the NWJM typically provides joint densities approximating the density of the adjacent mat. As an added bonus, the wedge shaped edge of the mat provides an excellent safety ramp down to the underlying mat for traffic during construction periods. The NWJM fits most mainline paver screeds. It is easy to install and easy to adjust to meet jobsite specifications.



Comparison of Notched Wedge Joint and Mat Densities

| LOCATION | JOINT CORES | | MAT CORES, 1' TO RIGHT | | MAT CORES, 1' TO LEFT | |
|--|-------------|----------|------------------------|----------|-----------------------|----------|
| | lb/cu-ft | % of Max | lb/cu-ft | % of Max | lb/cu-ft | % of Max |
| 81.00 | 148.2 | 94.6 | 152.5 | 97.3 | 148.4 | 94.7 |
| 89.00 | 153.0 | 97.6 | 143.3 | 91.4 | 152.8 | 97.5 |
| 97.00 | 144.3 | 92.1 | 152.1 | 97.1 | 147.2 | 93.9 |
| Average | | 94.8 | | 95.3 | | 95.4 |
| Maximum Theoretical Density = 156.7 lb/cu-ft | | | | | | |

Joints Constructed with Wedge Joint Maker, TransTech Systems, Inc.
Contractor: James D. Morrissey, Inc., Philadelphia, Pennsylvania

Project: Street Road, Rte 132, Bensalem Township
Asphalt Mix: 25 mm Superpave Binder Mix, 2.5" thick mat

Thin Lift (NWJM)

In recent years, due to increased fuel costs and increased asphalt pricing, lift thicknesses have been reduced. Most maintenance overlays are between 1-3/4" and 2" thick. With this reduced mat thickness, the 12" ramp length has become too slight in angle to be effective. Therefore TransTech has introduced a new model notch wedge joint maker called the "Thin Lift". The device is basically the same as the original standard model except the ramp width is only 5" wide; resulting in slightly steeper angled slopes, and only uses 3 bolts to mount.

Tests have shown that the joint region density is closer to the mat density and sectioning of joint cores have shown interlocking of aggregate such that the joint line can not be seen.

For as long as there have been paved roads, there have been questions about the longitudinal joint between lanes. How do you make the joint last longer? How do you prevent raveling, cracking, and erosion? How do you prevent water infiltration? What are the critical factors? Now we know and we have the answer, TransTech System's Notch Wedge Joint Maker and Joint Maker Thin Lift. Easy to install, easy to adjust, and the best part, it does the job as you pave with no additional material or labor.



Don't Believe Us?

Here's what the industry has to say about TransTech's Notched Wedge Joint Makers:

"Our customers, the driving public, continue to tell us that smooth roads are their number one concern. Since this approach of joint construction reduces the number of transverse joints in pavements, the end result should be smoother roads. And, the density results on the Street Road project point strongly to improved joint quality at the same time."

J. Pat Gardiner, Chief, Quality Assurance
East Division, Bureau of Construction and Materials Pennsylvania
Department of Transportation

"This new technology for constructing longitudinal joints was so successful on Street Road that we are working with PennDOT to use it on other projects in our district. For a modest investment, the Wedge Joint Maker increases paving productivity, simplifies our traffic control, greatly improves worksite safety and, most importantly, constructs a very high quality longitudinal joint."

Ricke Foster, Vice President
James D. Morrissey, Inc.



Innovators of Non-Nuclear Density Technology

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