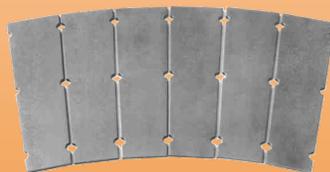




# Longer Wearlife Parts For Asphalt Plants



*Still proudly made in the USA*



**Kenco Engineering, Inc.**

Roseville, CA 800-363-9859

[www.kencoengineering.com](http://www.kencoengineering.com)

# KENCO helps keep your plant working at "day one" productivity and efficiency!



## ASPHALT DRUM MIXER AND AGGREGATE DRYER FLIGHTS WITH 5-YEAR VEILING GUARANTEE \*

Asphalt drum mixer and aggregate dryer flights must retain their original design configuration to operate at optimum efficiency. Bent, distorted, broken and worn flights reduce efficiency and require more fuel. Kenco guarantees\* our flights will maintain 95% of the original veiling characteristics.

Kenco cast Uni-Flights are designed to provide significantly longer wear life than conventional flights. With a nominal hardness of 700 Brinell, they will not fold over or distort from wear. Your plant will consume less fuel and run more efficiently.

KENCO LF-30-AX Saw Tooth Flight



KENCO LF-500 Series Basket Flight



KENCO LF-21 Angle Flight



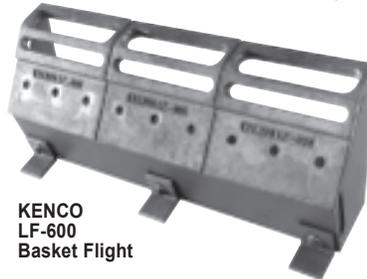
KENCO LF-20 Angle Flight



KENCO LF-30 Angle Flight

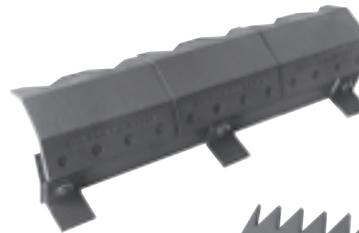


KENCO LF-600 Basket Flight

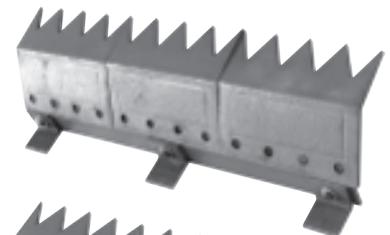


Kenco cast Uni-Flights are available in convenient, easy to manage, bolt-on modular sections. The bolt-on design simplifies replacement. Only those sections which wear out need to be replaced.

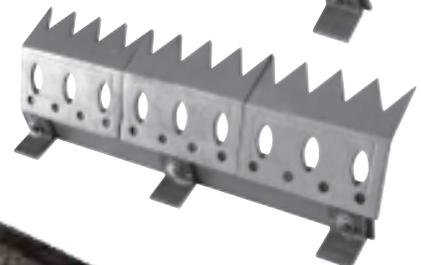
KENCO LF-20-ST1 Saw Tooth Flight



KENCO LF-40 Saw Tooth Flight



KENCO LF-41 Saw Tooth Flight



KENCO LF-10 Angle Flight



Conventional flights worn and bent over due to veiling action

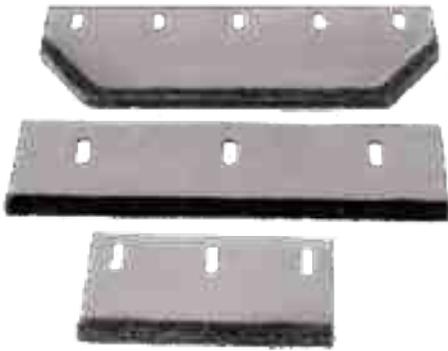


KENCO Uni-Flights resist wear and bending

\* The castings used on Kenco Engineering Drum Mixer and Aggregate Dryer Flights are warranted for a period of 5 years from date of invoice. Should wear or failure of Kenco castings cause the flights not to provide 95% of original veiling characteristics, Kenco will replace the castings for a pro-rated price based on the percentage of unrealized wear life. (Does not apply to Combustion Flights, Discharge Flights, or Spiral Flight Shoes.)



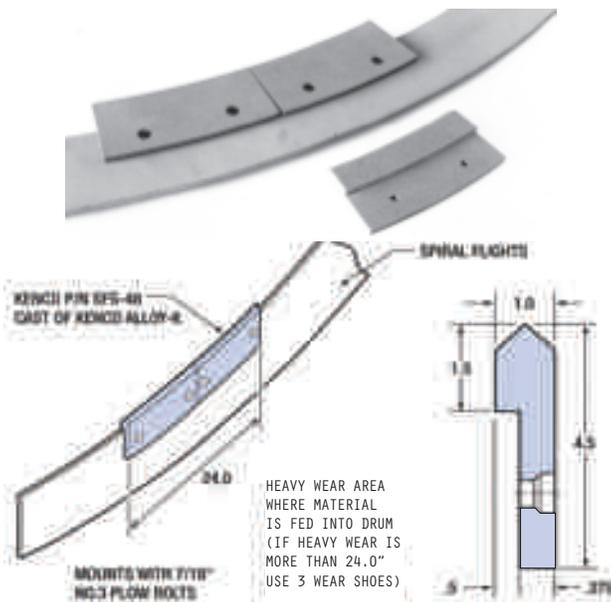
## DISCHARGE FLIGHTS FOR ASPHALT DRUM MIX PLANTS



Standard asphalt drum discharge flights tend to wear down prematurely, allowing asphalt to accumulate and clog the discharge area of the drum. Kenco Discharge Flights with a 1" x 1" tungsten carbide impregnated wear bar are designed to stay at full size for a much longer time. As a result they provide superior clean-out performance, minimize asphalt buildup, and eliminate the need for adjustment during their life cycle. Additionally, the 1" x 1" wear bar provides an easy visual check of flight wear from the access hatch on many drums. The base plate is made of 400 Brinell steel to ensure longer wearlife.



## SPIRAL FLIGHT SHOES FOR ALL DRUM MIX PLANTS



Kenco Alloy-K cast Spiral Flight Shoes eliminate the extreme wear experienced on most spiral flights in drum mix asphalt plants. This problem is caused by material coming down the main feed chute and striking the spiral flights in a concentrated manner. Wear starts on the leading edge of the flight and begins to erode the flight. Left unchecked, wear can cut a 3/4 inch wide groove 12 to 18 inches deep. Our SFS-48 has a wear lip on the leading edge to provide additional wear metal where it is needed most. This shoe is easily installed by holding the casting in place, marking the bolt hole locations with soap stone, and burning the bolt holes. In most cases Spiral Flight Shoes can be installed on worn flights, as long as there is enough metal to support the mounting bolts.

## COMBUSTION FLIGHT CASTINGS

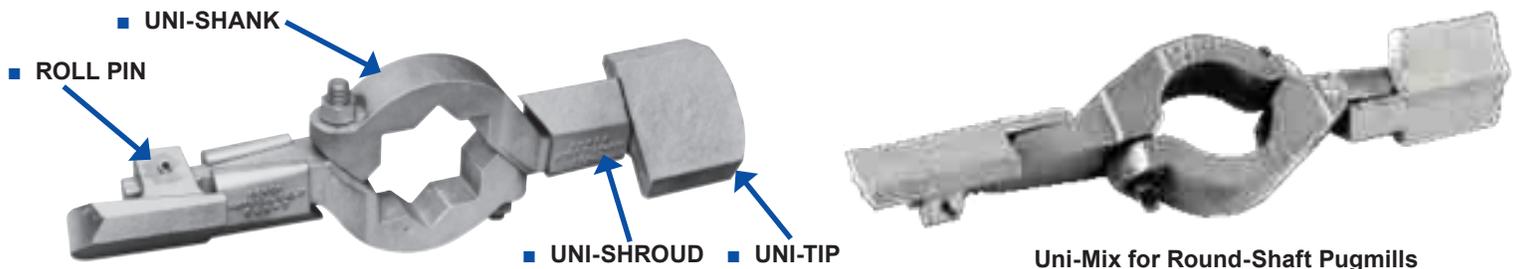


Kenco Combustion Flights help solve wear problems experienced on the tops of conventional asphalt combustion flights. Kenco combustion flights consist of K-Chrome 700 castings, with a nominal hardness of 700 Brinell, bolted on the top flat surface of the flights. Kenco K-Chrome 700 castings can be installed on existing combustion flights if they are still structurally sound.

**NOTE:** In some plants wear may occur on only a portion of the combustion flights. Kenco K-Chrome 700 castings may not be required in areas with minimal wear.



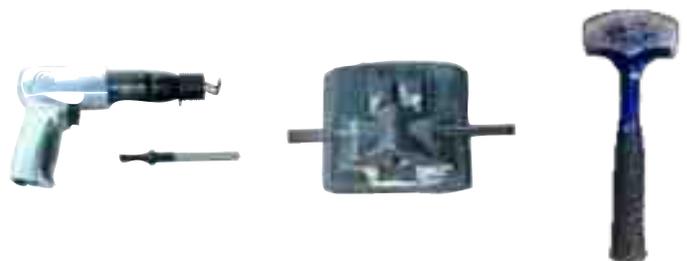
## UNI-MIX PARTS FOR ASPHALT BATCH PLANTS, DRUM MIX COATERS, AND LIME PUGMILLS



Consisting of a Uni-Shank, Uni-Shroud, and Uni-Tip, the Uni-Mix System offers many advantages over conventional pugmill mixing systems. The contoured, streamlined design, along with a 90° rotation of Uni-Shank bolts, allows Uni-Mix components to slice through the mix with less friction and wear. With Uni-Mix, your pugmill amperage requirements will be noticeably lower.

Uni-Tips are fastened by a single roll pin, not bolts, and can be easily replaced in just 5 minutes with an air hammer and punch. The Uni-Shroud, which provides maximum wear protection for the shank in the wear zone just below the tip, slips onto the shank and is held in place by the Uni-Tip. All Uni-Mix components fit either left or right-hand throw positions, thus eliminating the need for dual parts inventories.

Uni-Shanks are cast from Kenco W-5 alloy, a high strength steel alloy that provides maximum tensile strength, yet is light weight for ease of installation. Uni-Tips and Uni-Shrouds are cast from Kenco Alloy-K, which has a hardness in excess of 550 Brinell for superior abrasion resistance. For very extreme applications, 700 Brinell hardness is optionally available.

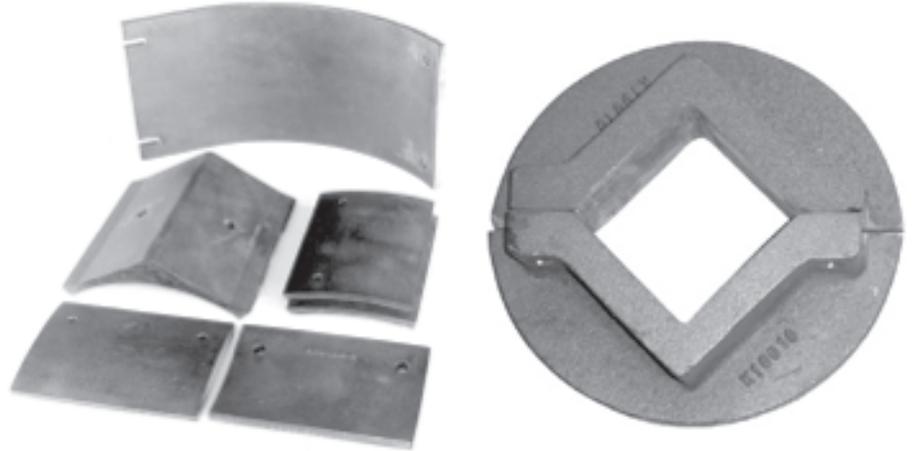


Uni-Tips are easily replaced with either option.



## PUGMILL LINERS AND SEAL COLLARS

Kenco Pugmill Liners and Seal Collars are designed for maximum wearlife in abrasive mixing operations. They are available for direct OEM replacement on popular pugmill models. Custom fabricated wear liners can be built for modified or older pugmills with difficult to find components. Our liners and seal collars are cast from Kenco Alloy-K, which has a hardness in excess of 550 Brinell. For very extreme applications, 700 Brinell hardness is optionally available.



## FABRICATED GATE ASSEMBLY

Kenco Fabricated Gate Assemblies are available for several popular pugmills. These longer wearlife gates feature Kenco Alloy-K cast liners and extreme service cast slide rails, both with a hardness in excess of 550 Brinell.



**Custom Fabricated Wear Liners**



## ASTEC\* MIXER TIPS

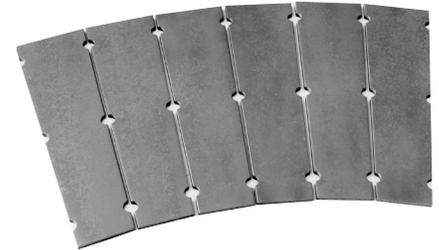
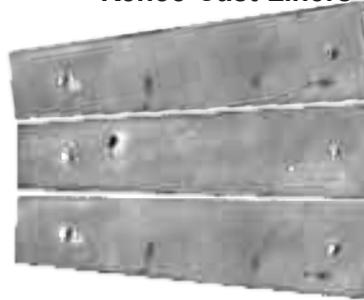
Kenco now offers a wide selection of 700 BHN mixer tips. Benefits include a unique “boss” around the deeply recessed bolt hole, that protects the bolt hole from premature wear. The 700 BHN hardness provides the longest wearlife available.

All use of original equipment manufacturers (“OEM”) names and part numbers is for identification and ease of referene purposes only and is not intended to indicate affiliation with or approval by any OEM



Premature wear and failure of asphalt storage systems can result in very serious accidents to plant employees and customers. Kenco Cone Liners help avoid problems by providing maximum wearlife in the high wear areas of asphalt storage silos and batcher cones. They are offered in computer designed kits with all pieces sized to be safely and quickly installed without heavy lifting equipment.

### Kenco Cast Liners

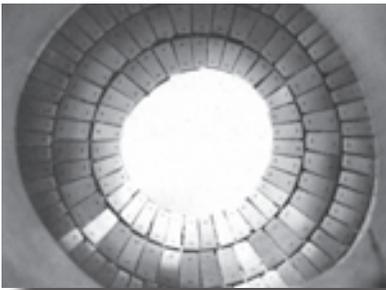


**Kenco AR-500 Steel Liners**

## CONE LINERS

Kenco computer designed Cone Liner kits are available in two different metal hardnesses to match job requirements:

- AR-500 steel: Low to medium tonnage, primary or secondary silo
  - 700 Brinell castings: Very high tonnage, extremely abrasive materials, primary silo
- AR-500 steel liners are notched to allow for plug welding to the silo shell. Castings are conveniently welded to the silo shell by using Kenco Weld-Washers inserted into casting holes. Kenco liners can be installed quicker and safer than rolled plate sections or ceramic liners.



Kenco Slat End Protectors are easily installed in the field and help maintain conveyor productivity at peak efficiency. These reversible castings eliminate wear on slat ends and help prevent material build-up in the conveyor.

## SLAT CONVEYOR LINERS



Kenco Slat Conveyor Liners are offered in a wide variety of easy to manage sizes, and are light weight enough to be safely installed without the use of heavy lifting equipment. Holes are cast in place for fast, easy bolt-on or weld-on installation. For weld-on installation, Kenco offers unique, cone shaped Weld-Washers which are inserted into the holes and arc welded to the conveyor sub-floor.

Kenco Slat Conveyor Liners are cast with Kenco's Alloy-K (in excess of 550 Brinell hardness) for maximum abrasion resistance. Due to the superiority of Alloy-K, Kenco Slat Conveyor Liners will significantly out wear conventional abrasion resistant (AR) steel plates. For very extreme applications, Alloy-K is optionally available in 700 Brinell hardness.

### WEAR GUARANTEE \*

#### Kenco Slat Conveyor Liners

Kenco Engineering .750" thick, 700 Brinell wear plates are warranted to provide a minimum service life of 5 million tons, or 8 years from date of invoice, whichever occurs first. Please see our web site at [www.kencoengineering.com](http://www.kencoengineering.com) for more information.

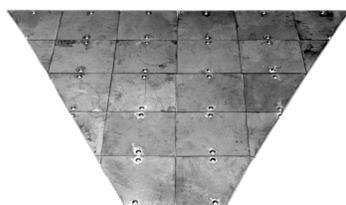
\* Slat conveyor tension must be adjusted to factory specifications



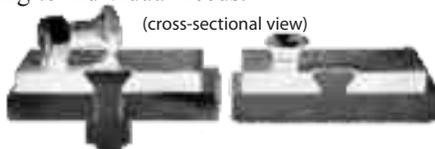
## CHUTE LINERS

Kenco Alloy-K Chute Liners are available in shapes and sizes to fit any chute. They are cast with Kenco Alloy-K for maximum abrasion resistance against both dry aggregate and hot asphalt materials. We can custom-cut either 550 or 700 Brinell Hardness castings to exact job requirements. We'll even number the pieces according to your drawing to make installation simple.

Kenco Chute Liners can be bolted in place or welded with exclusive Kenco Weld-Washers. Kenco can also mount them on a studed or plain steel backing plate, according to individual needs.



Bolt-on installation



(cross-sectional view)

Weld-on installation

## BAGHOUSE WEAR PARTS

### Pipe Elbows



Kenco K-Chrome Pipe Elbows can virtually eliminate wear in pneumatic conveyor hoses used in asphalt plants. Kenco K-Chrome Elbows are available in 15° and straight length sections, and can be easily combined to fit a required radius. Cast from Kenco 550 Brinell K-Chrome for longer wearlife in all applications—wet or dry, abrasive or corrosive.

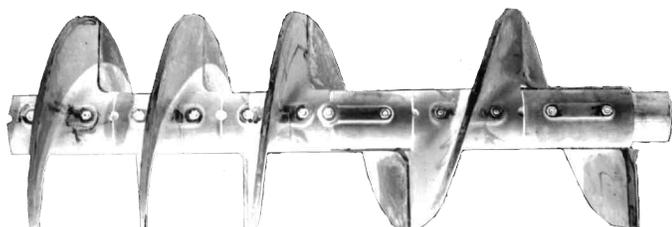
### Dry Bearings & Coupling Shafts

Dry Bearings and Coupling Shafts are made of exclusive Kenco K-Chrome 500 Brinell alloy to provide significantly longer wearlife than conventional chilled iron bearings. They are available in round-round or square-round configurations to fit most applications.



## TRANSFER SCREW CONVEYOR

Kenco Modular Augers provide far superior service than is possible with fabricated steel augers. Modular augers consist of cast half flight sections that mate together and are bolted onto a steel pipe shaft. With Kenco Modular Augers only those bolt-on flight sections that wear out need to be replaced. Modular Augers are cast from Kenco 550 Brinell K-Chrome for longer wearlife in all applications—wet or dry, abrasive or corrosive.



## ELEVATOR BUCKETS AND BUCKET WEAR LIPS



Kenco Fabricated Elevator Buckets with Tungsten Carbide Wear Lips provide substantially longer wearlife than standard buckets. Kenco also offers custom made-to-fit Tungsten Carbide Wear Lips which can be easily welded to existing elevator buckets in the field.



## TUNGSTEN CARBIDE IMPREGNATED WEAR STRIPS

Eliminate many severe abrasive wear problems around asphalt plants with Kenco Tungsten Carbide Impregnated Wear Strips. These Wear Strips, with a surface hardness of 90 Rockwell A, can be welded in place over severe wear areas on flop gates, chutes, cold feed bins, hot spots, and material transfer points.



## WEAR PATCHES

Kenco Wear Patches protect small to medium sized areas from high abrasive wear on all types of equipment. Available in a variety of shapes, Wear Patches are easily welded with standard equipment. Special shapes can be cut to fit with an ordinary cutting torch. Wear Patches can be installed in a fraction of the time it takes to apply hardfacing, and with a through hardness in excess of 60 Rockwell C. Kenco Wear Patches can last up to 10 times longer than hardfacing.

New! 8 x 12

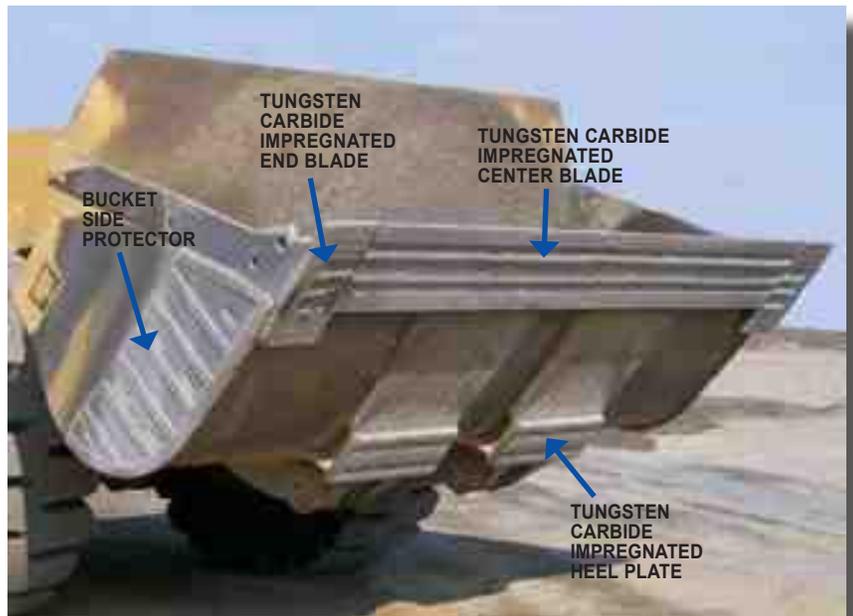


## ARMOR YOUR FRONT END LOADER FOR USE IN RAP

Kenco's exclusive Tungsten Carbide impregnation process is a cost effective method for significantly increasing the wearlife of front end loader cutting edges. Deeply impregnated crushed tungsten carbide particles provide a rugged, abrasion-resistant, cutting edge wear surface. Kenco Tungsten Carbide Cutting Edges are especially effective in RAP handling applications, the kind of use a loader normally gets in asphalt plant operations.

Kenco's unique Bucket Side Protectors are custom fabricated to fit your machine. Using our specialized overlay process they offer a long wearing solution for extreme wear problems in this critical area. Bucket Side Protectors also:

- Install quickly with minimum welding.
- Provide maximum protection for minimal cost.
- Can be applied on both the inside and outside bucket surfaces.



Distributed by:



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