

KRESS

SLAG POT CARRIERS

- ★ WIDE RANGE OF MODELS AND CAPACITIES
- ★ CUSTOM DESIGNED FOR THE JOB
- ★ CATERPILLAR PRIME MOVERS
- ★ ARTICULATED STEERING FOR EXCELLENT MANEUVERABILITY
- ★ SIMPLE, RUGGED DESIGN FOR RELIABILITY
- ★ DESIGNED TO DESKULL POTS





KRESS SLAG POT CARRIERS

Kress Corporation is the world's leading manufacturer of slag pot carriers, with vehicles operating worldwide in steel, non-ferrous, and ferro-alloy industries. With hundreds of units in operation at locations around the world, several thousand slag pots are handled every day by Kress carriers, processing millions of tons of slag annually.

Each Kress carrier is custom designed to handle a specific slag pot as well as to accommodate the production requirements and dimensional limitations of each individual job site. The design on each carrier is determined by the slag weight to be moved, operating procedures, and haul conditions, with the vehicle dimensions governed by the size and configuration of the slag pot. Special low height and narrow width carrier designs are available for applications with extremely difficult access problems.

Using positive hydraulic control, the pot is tipped to pour molten slag into slag pits for processing, and the Kress deskulling system speeds removal of skulls without damage to the pot or carrier.

Kress slag pot carriers are designed for continuous operation in the harsh environment normally found in smelters and steel mills. Specialized design utilizing standard Kress and vendor components ensures a machine that is ideal for the job, can be easily maintained, and has a reliable, ready source for parts and service supports. Most Kress slag pot carriers are available with a choice of prime movers built by Kress or Caterpillar.

Kress slag pot carriers are available in a wide range of models and capacities to handle slag pots ranging from 60 cu.ft. (2 cu.m.) to over 1500 cu.ft. (42 cu.m.) volume.

The Kress slag pot carrier line is divided into several basic model types, identified by their various configurations:

- * "P" and "P-E" Series carriers with aircraft or small earthmover rear tires.
- * "PEL" and "PES" Series carriers with large earthmover rear tires.
- * "PR" Series carriers with aircraft or small earthmover rear tires, designed to handle slag pots from transfer cars.
- * "PRL" Series carriers for special transfer car applications.

KRESS "P" AND "P-E" SERIES SLAG POT CARRIERS

Kress "P" and "P-E" Series carriers are based on the original Kress pot carrier design which has been in operation since 1965.

The carriers' compact U-frame design and fully articulated steering offer exceptional maneuverability for operation in confined areas. The "P-E" Series carriers are equipped with dual small earthmover tires for durability, while the "P" Series carriers feature special aircraft-type rear tires for applications where an extremely narrow overall width is necessary.

Both carrier designs utilize independently controlled hydraulic lift cylinders at each rear axle to pick up slag pots from uneven ground. The slag pot is firmly engaged by high strength steel locks, and is carried low and within the vehicle wheelbase.

Special narrow and low height designs are available for applications with difficult access problems.



Kress "P" Series slag pot carriers are available in capacities from 35 tons (32 tonnes) to 210 tons (190 tonnes).



Kress "P-E" Series slag pot carriers, featuring the use of small earthmover rear tires, are available in capacities for 35 tons (32 tonnes) to 120 tons (109 tonnes).

KRESS "PEL" AND "PES" SERIES SLAG POT CARRIERS

Kress "PEL" and "PES" Series slag pot carriers are designed with large, single earthmover rear tires for job applications with long hauls or poor road conditions.

With fully articulated steering and rugged U-frame construction, the "PEL" and "PES" Series carriers offer excellent manoeuvrability combined with durability in harsh conditions.

The pot is firmly engaged by high strength steel locks, and is carried low and within the vehicle wheelbase. The lift arrangements feature mechanical support systems, and pouring functions are performed using positive hydraulic control.



The "PEL" series pot carriers utilize fixed rear wheels. Slag pots are picked up and dumped by specially designed tilt frames and linkage systems.

Kress "PEL" Series slag pot carriers are available in capacities from 35 tons (31.7 tonnes) to 250 tons (226.8 tonnes).



The "PES" series pot carriers utilize independently controlled hydraulic lift systems at each rear wheel to pick up slag pots from uneven ground.

Kres "PES" Series slag pot carriers are available in capacities from 110 tons (99.8 tonnes) to 250 tons (226.8 tonnes).



KRESS "PR" SERIES SLAG POT CARRIERS

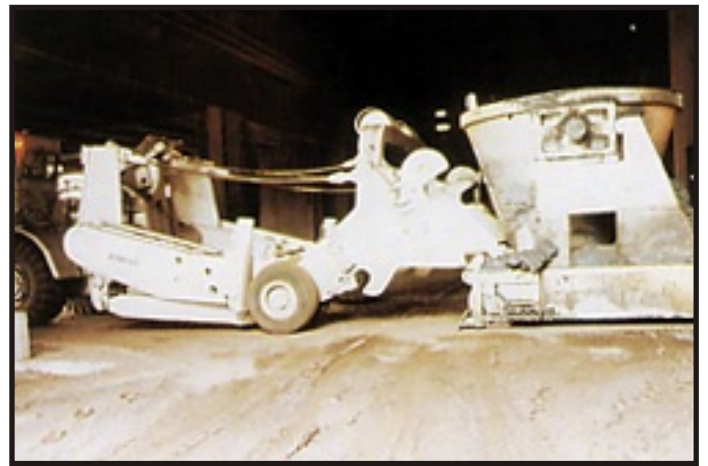
Kress "PR" series slag pot carriers are designed to pick up slag pots from rail or transfer cars in addition to normal slag pot carrier pick up, transport, pour, and skull functions. These carriers can be easily adapted to push and pull transfer cars from under furnaces.

"PR" series slag pot carriers are particularly suited for operation in electric arc furnace applications where slag spillage and foamy slag are concerns. Their reachback capability allows slag pots to be picked up and moved without the carrier tires having to pass through the slag spillages commonly surrounding electric furnace slag pots. Because of their unique design, Kress "PR" series carriers can transport slag pots for short distances in the reachback position without need of outrigger systems.

With fully articulated steering and small dual aircraft-type or earthmover rear tires, the compact design of the "PR" series carrier is narrow and exceptionally maneuverable for operation in confined areas.

Independently controlled hydraulic lift cylinders at each rear axle allow the "PR" series carrier to pick up a slag pot on uneven ground. During transport, high strength steel locks firmly engage the slag pot, which is carried low and within the vehicle wheelbase. Lifting and pouring functions are performed using positive hydraulic control, and the Kress skulling system simplifies removal of skulls from slag pots. In an emergency, the slag pot can be quickly lowered to the ground and disengaged from the carrier.

Kress "PR" Series slag pot carriers are available in capacities to 140 tons (127 tonnes).





KRESS "PRL" SERIES SLAG POT CARRIERS

Kress "PRL" series slag pot carriers are designed to pick up slag pots from rail or transfer cars in applications requiring relatively narrow carrier widths.

Hydraulic stabilizer cylinders permit the "PRL" series slag pot carrier to handle large, heavy slag pots or pots requiring long reachback distances.

With the patented Kress single rear axle line arrangement, full 180 degree articulated steering, and overall widths frequently no wider than that of the slag pot, the "PRL" series carrier offers excellent maneuverability for operation in confined areas.

Heavy-duty construction and conservatively designed components provide reliability and long life in harsh operating conditions.

Kress "PRL" series slag pot carriers are available in capacities up to 165 tons (150 tonnes).



KRESS CARRIER VERSATILITY...

Reduce capital and operating costs for many material handling jobs...



Other uses for slag pot carriers:

-Hot metal and steel ladles

Kress slag pot carriers can be designed to handle ladles in addition to their normal duties. Special versions can turn the ladles 90 degrees to place them on the ground. Ladles can also be inverted 180 degrees.

-Scrap Buckets

Various types and sizes of scrap buckets can be handled by specially designed slag pot carriers.

-Containers

Specially designed containers for scrap, crop ends, mill scale, and other uses can be handled by Kress slag pot carriers.



Your application can earn the long-term benefits of Kress carrier usage. Using standard, proven components, a carrier can be designed to handle pots, ladles and containers.

Write or call for specifications, information, or for an in-plant feasibility analysis by Kress sales engineers at no obligation.



KRESS
CORPORATION
227 Illinois Street • Brimfield, Illinois, U.S.A. 61517
Phone: (309) 446-3395 • Fax: (309) 446-9625
sales@kresscarrier.com • www.kresscarrier.com

KRESS and **K** are registered trademarks of Kress Corporation.
Caterpillar and Cat are trademarks of Caterpillar Inc.
© 2001 Kress Printed in U.S.A.