

LO-DEK



89



new P-S LO-DEK FLAT CAR
has extra length for increased versatility

THE P-S LO-DEK 89 P-S LO-DEK



89' 1" over end sills...31" from rail to deck

Pullman-Standard is now offering its LO-DEK Flat Car in a new, longer, even more versatile length: 89 feet. This means that the lowest flat car on the market (31 inches from rail to deck) is now also the longest. This added length makes possible the application of new design auto racks with greater overhead clearance and provides room for additional cushioning capacity for both trailers and containers.

The Pullman-Standard LO-DEK 89 is proving its substantial merit to a growing number of major carriers. Permitting the hauling of high cube 13'-6" trailers, highway auto transporters and fully loaded tri-level and bi-level auto racks in heretofore restricted clearance areas, the LO-DEK is 10 inches lower than conventional 85-foot flat cars and 1½ to 5 inches lower than other types of low profile cars.

Featuring all-welded, high strength steel construction, the LO-DEK weighs approximately 30% less than regular piggyback flat cars, thereby offering users an important operational economy without sacrificing car strength

or capacity. Compatible with all other piggyback cars, the LO-DEK fits into all normal piggyback services and can be easily and quickly loaded by overhead straddle lift cranes, by large capacity fork lift trucks or circus style.

The P-S LO-DEK Flat Car is built with Pullman-Standard's tested and proved unitized construction. Strong, fish belly design center sill, full length floor stringers, all steel deck and combination side sills and rub rails are automatically arc-welded into one unit, providing light overall car weight and exceptional overall car strength.

The LO-DEK 89 can be equipped with stanchions for trailer operation or furnished without stanchions and other trailer carrying accessories for use with all makes and models of bi-level and tri-level auto racks.

Thoroughly laboratory and in-service tested for over two years, the Pullman-Standard LO-DEK Flat Car is helping to add another dimension to the ways in which the nation's railroads can provide new and better service to their shippers.



LO-DEK 89 and TRI-LEVEL AUTO RACKS—The LO-DEK 89 accepts all makes and models of tri-level auto racks. The increased deck length allows application of new design auto racks with greater length and overhead clearance and permits the hauling of 12 standard or 15 compact autos.

VERSATILITY

LO-DEK 89 and BI-LEVEL AUTO RACKS—All types of bi-level auto racks can also be mounted on the 89 foot deck of the new LO-DEK Flat Car. Permitting greater flexibility in the loading and tie-down of autos, the LO-DEK accommodates up to 12 standard or compact autos on a bi-level rack.



LO-DEK 89 and HIGHWAY VEHICLES—The LO-DEK 89 can be equipped with stanchions and other trailer accessories for hauling two auto transporters or trailers each up to 40 feet long. Flush mounted trailer tie-downs provide no obstacle when loading with overhead cranes or lift trucks.



89 FEATURES



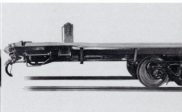
STRONG, FISH BELLY DESIGN CENTER SILL—Exceptional strength without excess weight, dependable service life and built-in camber, a Pullman-Standard exclusive, start here in the high strength steel center sill which forms the heart of every LO-DEK Flat Car.



UNITIZED CONSTRUCTION FOR EXTRA STRENGTH—A special welding jig automatically arc welds the entire length of the LO-DEK's 89 foot all-steel deck to the center sill and to the combination side sills and rub rails providing strong unitized construction.



NON-SKID, SELF-DRAINING DECK—The entire length and width of the LO-DEK's maintenance-free 89 foot deck is covered with a durable, non-skid coating. Carefully spaced drainage holes help keep the all-steel deck free from water and ice.



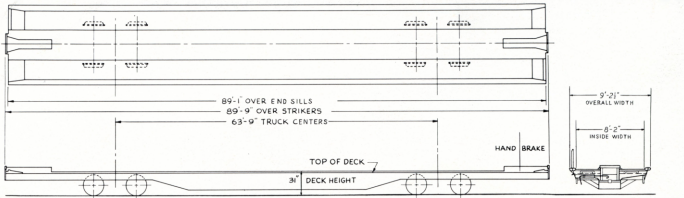
COMBINATION RUB RAIL AND SIDE SILL—A combination rub rail and side sill help guide a tractor in positioning a highway vehicle on the LO-DEK. Standard height couplers and inclines at car ends make the LO-DEK compatible with all other piggyback cars.



STATIC TESTS EVALUATE LO-DEK PERFORMANCE—Nearly 25,000 test recordings of various stresses, strengths and other reactions were studied, measured, considered and evaluated at Pullman-Standard's Research and Development Center to aid and prove the design of the LO-DEK Flat Car.



ROLLING LOAD TESTS DETERMINE SERVICE LIFE—Experienced researchers and engineers put the LO-DEK through microscopic inspection. Modern electronic equipment is employed to determine stresses, aid mathematical calculations and prove and reprove design dependability.



P-S

LO-DEK SPECIFICATIONS

GENERAL DIMENSIONS*:

Length over end sills and platform	89'-1"
Length over strikers	89'-9"
Length, center to center of trucks	63'-9"
Width between rub rails	8'-2"
Height, rail to top of floor—empty car	31 1/2"
Height, rail to center plate—empty car	1'-8 1/8"
Height of guide rail from floor, maximum	8"
Approximate light weight (without stanchions, bridge plates, tie downs, etc.)	48,000 lbs.

MATERIAL:

Structural shapes, plates and sheets in the underframe, floors and sides will be high strength steel, except cross-beamer and crossie webs will be open hearth steel. Welded draft sill components, safety appliances, brake supports and round bars and forgings will be open hearth steel.

CLEARANCE:

Cars will comply with current Interchange Rules and conform to clearance requirements of AAR Plate "B", March 1, 1957. Car also complies with the interpretation of car clearance as outlined on Page 2 of Circular DV-1426 dated May 23, 1958.

TRUCKS:

Capacity	179,000 lbs.
Wheel Base	5'-1"
Side Bearing Centers	4'-2"
Wheel Diameter	28"

*The LO-DEK Flat Car is available in two deck lengths, 89'-1" and 87'-4". For specifications on the 87'-4" LO-DEK contact a P-S sales office.

Specifications subject to change without notice.

Pullman-Standard also builds the PS-4PB Flat Car . . . the standard of the piggyback fleets . . . and the P-S Protectoframe-20 Cushioned Container Rack for converting piggyback flat cars to container service. Write or contact us for descriptive literature on these products.

PULLMAN-STANDARD

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