

TRAIL KING HYDRAULIC SLIDING TAIL

STANDARD FEATURES



Winch & Roller

Even disabled equipment can be loaded with ease with the standard 20,000-lb. winch and 9/16" cable, which comes standard with winch guard, skid plate (shown left) and 80' cable with locking safety hook. Optional roller shown above (right).



Front Access Panel

Standard front access panel offers easy access for connecting hydraulic, air and electrical lines. The panel may also be opened for internal maintenance or repair simply by removing four bolts.



Hydraulic Valve Controls

Dual-side push/pull hydraulic controls and Kar-Tech remote are standard (winch only- shown above). Optional full function remote offers 2-speed operation. Slow-speed function decreases speed by 50% to allow for better maneuverability of tricky equipment.



Lighted Tool Box

Two lighted, side-access toolboxes at front of upper deck with chrome T-handles and lights are standard. (Top access with gas shock is optional.)



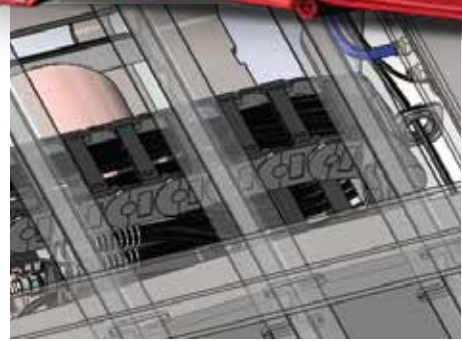
Strength and Protection

A protective panel on the under side of the gooseneck shields the hydraulic valves from grime/debris, resulting in reduced maintenance/longer life. To prevent cracking and provide strength, the gooseneck is reinforced with a gusset and a brace that runs the full depth of the beam.



Protected Electrical System

The HST features rubber-mounted, shock-proof, sealed lights and rubber grommets wherever wiring runs through the frame for a longer, trouble-free, low-maintenance performance life.



Flexible Protective Track

Special flexible track encases and protects traveling air and electrical lines from pinching or abrasion that could lead to premature failure.



Flip Tail Lock

When the trailer is in the transport position, the flip tail cannot settle to the ground - even in the event of hydraulic failure - thanks to the integrated flip tail lock.



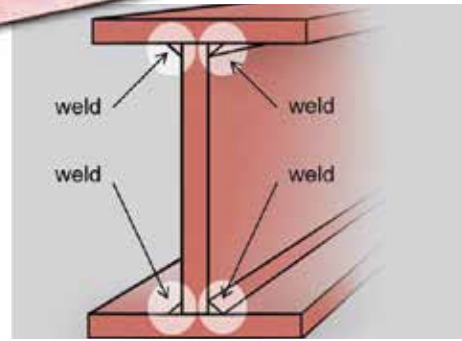
14-Beam Approach Plate

Two outside I-beams provide the extra strength necessary to prevent "peeling off" the edge of the ramp during loading. Twelve formed beams in between provide solid support across the whole width of the approach plate.



Grease Bank

Easy access grease points (along the sides of the trailer) make greasing the entire trailer, including axle components and cylinder pivots, a simple, convenient process.



One-Piece Construction

I-beams are constructed of one-piece web and flange material and welded on all 4 sides to seal and protect the seams from rust. The entire trailer is primed and painted before decking is installed for complete protection from the elements.



Centered Rollers

As the axles travel, the dovetail deck rides securely on 5"-wide rollers that are centered on the main beams. This prevents damage to the flange, a common problem in offset designs.

Upper Deck Ramp

The 10' hydraulic recessed ramp to the upper deck provides a 10 degree load angle. Hydraulic locking cylinders ensure that the upper deck ramp stays in place during loading, even if the hydraulics should fail.

Improved Scalability

Because the wheels are positioned farther back on the trailer, "scalability" is improved. What's more, the hydraulic cylinder is completely closed when the trailer is in the transport position, protecting the cylinder rod from road debris when the trailer is moving.

RUGGED, DEPENDABLE,

LOW MAINTENANCE PERFORMANCE

Low Load Angle

With wheels moved forward, the tail can be lowered to a 9 degree load angle. The resulting transition from the tail to the deck at the hinge point allows low ground clearance equipment, such as scissor lifts and manlifts, to be loaded with ease.

9° Load Angle

TKHST SPECIFICATIONS	TK80HST	TK80HST- 3-axle
Capacity in 10'	50,000	50,000
25,000 lb. axles (5/8" wall)	2	3

TK80HST	
TK80HST 3-axle	

TKHST STANDARD EQUIPMENT On All Models:

- Capacity: 80K lbs. uniform / 50K lbs. in 10 ft.
- 47' 11" overall length, 102" wide, 49" loaded 5th wheel height
- 14" kingpin setting with 86" swing clearance
- 10 ga. floor plate decking on upper deck
- 20,000 lb. hydraulic winch with level wind (mounted above kingpin)
- Winch guard
- Wireless remote for winch (1 function, 2 buttons)
- 80' winch cable with locking safety hook
- 10' hydraulic recessed ramp to upper deck (10 degrees)
- 16'7" hydraulic tail with 52" fold-under, 9 degree load angle with 245/75R 17/5 tires)
- Tail raises to 58" dock height and lowers to the ground
- Heavy duty I-beam style tail hinge beam
- Five pair of vertical supports inside fold under
- Star Traction over steel in tail & fold-under approach plate
- Hydraulic sliding axles
- No traveling hydraulic lines contained in protective track
- Air and electrical lines contained in protective track
- Air ride raising/lowering with switch on upper deck
- 1 3/8" (NET) apitong decking (deck & upper deck ramp)
- External stake pockets on 48" centers, alternating with internal key slots for a tie down every 24"
- 49" axle spacing
- 25,000 lb. axles (5/8" wall)
- Air ride suspension
- 4S2M ABS brakes
- Automatic slack adjusters
- 6.75 X 17.5 8-hole hub piloted wheels
- One-piece oil seals
- Zip Tork axle nuts
- 245/75R17.5 - 16 ply radial tires
- Dual hydraulic controls (each side)
- 2 lighted tool boxes at front of upper deck
- 2 speed park stands
- LED lights, 50 state legal
- Electrical system per DOT regulations
- Mid-turn signal clearance lights
- Rubber mounted sealed lights w/ sealed harness system
- Three tail lights per side (amber in center). Fourth strobe optional
- Red & white conspicuity markings
- Paint- 2-part epoxy primer and polyurethane
- Mud flaps



All specifications are subject to change without notice. Trailers pictured in this brochure may feature optional equipment.

* To meet 1997 Federal Requirements, Trail King offers two variations of the anti-lock braking system. The minimum 2S1M system is available, but Trail King recommends the 4S2M system.