



# Hale Trailer Brake & Wheel

## A010250-A010299



### 40' GN Tandem

#### 1. Function

Carries one (1) 40' ISO container  
Meets all TOFC, AAR, DOT, FMVSS, ISO, ANSI, SAE and TTMA specifications

#### 2. General

<b>Overall Length:</b>	40'-8 1/2" (Excluded rear bumper)
<b>Overall Width:</b>	96"
<b>Fifth Wheel Height:</b>	48"±1"
<b>Rear Deck Height:</b>	48"±1"
<b>Kingpin Location:</b>	30 1/2" (From rear face of front bolster)
<b>Axle Spread:</b>	49"
<b>Tandem Location:</b>	54 1/2" (From rear face of rear bolster)
<b>Tare Weight:</b>	6,600 Lbs. (±2%)
<b>Gross Vehicle Weight Rating:</b>	73,800 Lbs.

#### 3. Steel Structure & Components

<b>Material:</b>	High strength low alloy steel with yield strength not less than 50,000 psi used for the main rail hot rolled I-beams and other fabricated parts
<b>Painting:</b>	E-coat primer (min. 20µm) and Powder coating topcoat (approx. 60µm). 7 years warranty Topcoat color: Black RAL 9005 Metal preparation: Commercial abrasive blast of all metal surfaces to achieve clean bare steel.
<b>Main Beam:</b>	12" deep x 4" wide x 19 lbs./ft hot rolled I-section main beams, ASTM-A572 Grade 50 or equivalent
<b>Crossmember:</b>	3/16" thick x 3" wide x 9" deep channel with integral gussets on top
<b>GN Beam:</b>	5-1/4" deep x 4" wide I-beam, 1/2" thick flange and 1/4" thick web 1/2" thick x 5" wide reinforcement strap is welded to the bottom flange of each gooseneck rail, starting at end of pickup plate and continuing behind the landing gear centerline
<b>Upper Coupler:</b>	5/16" thick w/ 2" dia. drain holes, reinforced by 1/4" thick channel type kingpin supports SAF-Holland, Jost or Wallace Forge 2" AAR certificated kingpin Option: Use 1/4" thick pick up plate if the kingpin suppliers cannot deliver the kingpins for 5/16" thick pick up plate in time.
<b>Front Bolster:</b>	8" wide x 10" high, 1/4" thick open section with 3-1/2" chamfer in full length for gathering container in operation Front bolster provides full recessing of lights, and air and electrical connectors with 1 1/2" drain hole One piece corner casting welded on both ends A flat triangular steel reinforcement plate welded on each side between the main rail and front bolster to reinforce the bolster. Reinforcement plate is 1/4" x 18.5" x 18.5" Gladhand and 7-way receptacle will be located in the center of front bolster
<b>Rear Bolster:</b>	8" wide x 3/8" thick top plate with 6-7/8" wide x 8" deep x 1/4" thick "U" channel The triangular reinforcement plate is to be 1/4" x 18" x 18" with a 1-1/2" turned down lip with 1 1/2" drain hole
<b>Rear Bumper:</b>	Steel type rear bumper welded to the bottom of the rear bolster and rear of main rails, the vertical beam is "H" section type with 3/8" thick steel flange and 1/4" thick web The step guard is 3/16" x 4" x 4" square The bumper step is designed so that the legally mandated reflective tape is mounted in a recessed area, to prevent reflective tape damage
<b>Front Locking Pin:</b>	Schulz FB99HL-A or Buffers equivalent The front locking pin can be operated expediently. Either engaged or retracted, the handle will be retained at position by the latching device, insuring the locking pin will not move accidentally
<b>Rear Twist Lock:</b>	Schulz F77ANS or Buffers equivalent
<b>Landing Gear:</b>	JOST A440 series landing gear, 62,500 lbs. lift capacity with 100 ft-lbs. input torque, 170,000 lbs. maximum static load rating, 33,000 lbs. side load capacity. 2-speed 17" Travel. Square leg 10" x 10" square low-profile sand shoes and solid axles The centerline of the landing gear shall be located 98" from the centerline of king pin.
<b>Landing Gear Support Bracket:</b>	50.7874" mounting distance (distance between mounting surface of landing gear support brackets) 1/4" thick high tensile steel "deep" channel type bracket with two gussets each side Supported by angle brace and C channel brace
<b>Suspension:</b>	Hutch H9700T overslung mechanical suspension with fabricated hangers - Huck Bolts 3/4" spring seat height, 49" axle spread, 36" spring center Standens 354-00 3 leaf high arch spring

**Axles:** Meritor 5" round axle with 22,500 Lbs. capacity  
71 1/2" track with intermediate long 28 spline cam shaft  
Cam forward & Rod over axle orientation  
16 1/2" X 7" Q+ Brake

**Wheel End:** Meritor Axlepak 5 wheel end package  
Fumaq ferrous hub, Automated/Frum/CIMC cast drum or equivalent  
Meritor branded bearing (Manufactured by C&U) HM212049/HM212011 HM218248/HM218210  
National - 5 star gold 380025TX seal  
Hub Cap: National - 5 star gold HWGOP-609 vented grease hub cap or Stemco equivalent  
Chevron DELO SF Grease or Shell Gadus S5 V460C 00

**Rims:** Jingu 8.25 x 22.5 steel, hub-pilot disc wheels with 5 hand holes or Accuride equivalent, White

**Tires:** Westlake 11R22.5 tubeless type, 14 ply, CR915

**Brake System:** Wabco 2S/1M ABS brake system  
Sealco Spring Valve 110800  
Haldex 3030 2.5" stroke brake chamber  
Haldex 5.5" ASA 28 spline 409-20002  
Hoosier air tank HT-1249  
Phillips Gladhand 12-0061 & 12-0081  
Tremac Sloan fitting

**Electrical:** Phillips harness with integrated Phillips 16-724 receptacle  
Phillips 3/4" marker light and ABS light with 2" flange  
Phillips 4" Stop/Turn LED tail lamp with anti-theft plate  
Phillips 2.5" Rectangular LED license lamp

**MISC:** CIE standard marking includes: 1 FHWA decal, 1 Vin Plate,  
1 suspension torque decal, 1 BIT decal (if applicable), 1 ABS warning decal, 1 "Do not weld" decal,  
2 tare weight decals, 1 Grease decal, 1 Axle maintenance decal, 1 ABS decal, 2 CIE logo side, 2 CIE logo front and rear, 2  
Pioneer logo  
Avery conspicuity tape  
Phillips 16-802 document holder  
Gorilla 24" x 30" CIE logo mud flap

**DISCLAIMER**

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.