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## 40' GN Tandem - GN402P5TI00 (Hutch)

## Specifications

### 1. Function

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

### 2. General

**Overall Length:** 40'-8 1/2" (Excluded rear bumper)  
**Overall Width:** 96"  
**Fifth Wheel Height:** 48"±1"  
**Rear Deck Height:** 48"±1"  
**Kingpin Location:** 30 1/2" (From rear face of front bolster)  
**Axle Spread:** 49"  
**Tandem Location:** 54 1/2" (From rear face of rear bolster)  
**Tare Weight:** 6,800 Lbs. (±2%)  
**Gross Vehicle Weight Rating:** 74,000 Lbs.

### 3. Steel Structure & Components

#### Material:

High strength low alloy steel with yield strength not less than 65,000 psi used for the fabricated gooseneck beam  
 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

#### Painting:

E-coat primer (min. 20µm) and Powder coating topcoat (approx. 60µm). 7 years warranty  
 Topcoat color: Blue Pantone 2935C  
 Four (4) corner portions on front and rear bolster, touching corner casting of container, shall be painted as White RAL 9010

Metal preparation: Commercial abrasive blast of all metal surfaces to achieve clean bare steel.

#### Main Beam:

12" deep x 4" wide x 19 lbs./ft hot rolled I-section main beams, ASTM-A572 Grade 50 or equivalent

#### Crossmember:

3/16" thick x 3" wide x 9" deep channel with integral gussets on top

#### GN Beam:

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  
 GN Beam fabricated by no less than Gr 65 steel

#### Upper Coupler:

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

#### Front Bolster:

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 bracket with side access holes will be located in the center of front bolster**

#### Rear Bolster:

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  
 Rear marker lamp installation hole shall be located on the rear face of rear bolster and license lamp installation hole shall be located on the bottom face of rear bolster

#### Rear Bumper:

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

#### Front Locking Pin:

Schulz FB99HL-A or Buffers equivalent  
 The front locking pin can be operated expeditiously. Either engaged or retracted, the handle will be retained at position by the latching device, insuring the locking pin will not move accidentally

#### Rear Twist Lock:

Schulz F77ANS or Buffers equivalent

#### Landing Gear:

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.

Tack weld on crank handle fastener for anti-theft purpose

#### Landing Gear Support Bracket:

55-1/8" 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

#### Suspension:

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 or Dayton equivalent

#### 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

<b>Wheel End:</b>	Meritor Axlepak 5 wheel end package B-Loc brake or equivalent Fumaq ferrous hub, Automated/Frum/CIMC cast drum Meritor branded bearing (Manufactured by C&U) HM212049/HM212011 HM218248/HM218210 National - 5 star gold 380025TX seal Hub Cap: Stemco 340-5096 hub cap Chevron DELO SF Grease
<b>Rims:</b>	Jingu 8.25 x 22.5 steel, hub-pilot disc wheels with 5 hand holes or Accuride equivalent, White
<b>Tires:</b>	Westlake 295/75R22.5 tubeless type, 14 ply, CR915 or Ling Long equivalent
<b>Brake System:</b>	Wabco 2S/1M ABS brake system - separated mounted Sealco Spring Valve 110800 Haldex 3030 2.5" stroke brake chamber Haldex 5.5" ASA 28 spline 409-20002 with stroke indicator Hoosier air tank HT-1249 or Sanborn equivalent Phillips Gladhand 12-0061 & 12-0081 Tremac Sloan fitting
<b>Electrical:</b>	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 3/4" Round license lamp
<b>MISC:</b>	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, customer decal package, 4 Fleet number decal, 2 Grease decal, 1 Tire inflation decal, 1 Axle maintenance decal, 1 ABS decal, 1 Pressure warning decal, 1 air tank drain decal, 4 CG position decal, 2 center of gravity decal Decal arrangement may adjust per customer's requirement prior to production. Avery conspicuity tape Phillips 16-802 document holder Gorilla 24" x 30" Black mud flap
<b>Rev Log:</b>	Rev.1 First Release - Dec 7th, 2022 Rev.2 Front bolster casting end cap and 7-way bracket change apply to CS40GN2P5TI06/CE40GN2P5TI02 - Mar 16th, 2023

#### DISCLAIMER

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Equipment availability, prices and specifications are subject to change without notice.