



53' TANDEM INTERMODAL CHASSIS

PRODUCT:

Feature: New Chassis designed for the 21st century
Designed for repeated use in transportation of intermodal containers
Meets DOT requirements
Maximum Gross Weight: 65,000 LB
Standard US VIN Plate
Tare Weight: 7,700 LB

GEOMETRY:

Overall Length & Type: 53' fixed, Gooseneck Frame
Frame Bogie Type: Fixed Tandem Bogie (2-Axle) with 25,000 LB axles
Overall Frame Width: 96" over Bolster
Main Frame Width: 40"
Maximum Rear Height: Approximately 48"
King Pin Location: 36" from the rear face of the front bolster

FRAME:

Main Beam: A572GR50 12" X 16 LB/ft I-BEAM construction with frame ribs for increased strength
G/N Beam & Height: 4" deep fabricated H-Beam accomodating 3 1/8" container tunnel
G/N or FWD Beam Spec: 5/8" thick x 4" wide top and bottom flanges and 1/2" thick web A572GR50
Crossmember: Fabricated channel crossmember with triangle gusset, A572GR50
Crossmember Thickness: 3/16"
L/G Support Bracket: 3/16" channel type bracket with 4" channel brace
Front Gusset Spec: Front Gusset, 1/4" Triangular
Rear Gusset Spec: 3/16" with bending rib
Front Bolster Spec: 8" wide x 10" deep, open section. Tapered uprights for container guiding Front
Bolster Material: Channel 3/16" (A572GR50)
Front Bolster Locking Device: Locking Pin Type
Front Locking Spec: Locking Buffers 1103-1175 or Toca 900-905-00*
Rear Bolster Spec: 8" wide x 7" deep, 1/4" U Shape
Rear Bolster Channel Material: 1/4" (A572GR50)
Rear Bolster Top Plate Material: 3/8" (A572GR50)
Rear Bolster Locking Device: Non-retractable twistlocks, Butler 1101-1206*
License Plate Bracket: Standard Install Location
Mud flaps: 24"x36" white factory furnished mud flaps mounted to sliding bogie
4" Tube Bolt On DOT Compliant Step Bumper
Horizontal Member: 4" square tube with horizontal step guard
Bumper Spec: 96" width under ride protection



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RUNNING/SUSPENSION:

Axle Spacing: 49" Axle Spacing
Axle ABS System: Tandem Axle with 2S1M ABS System
Bogie & Axle Location: Tandem location slides 61 - 145" from rear face of rear bolster (measured from center of equalizer to rear face of rear bolster)
15 Position Slider
Suspension Spec: Hutchens Undermount Hanger, H-9700*
Spring Spec: 3 Leaf - High Arch 354-00
Hutch 9700 series three leaf spring suspension, 22,400 LB GAWR*
Axle Supplier: Butler*
Axle-General Spec: Axle - Tandem (2) Axle with 2S1M or 2S2M System
Axle-Track Length: 71 1/2"
Axle-Wall Thickness: 5/8"
Axle Spindle: Tapered Spindle
5" Round 25,000 LB axle with oil bath hubs
Brake Lining: 16.5" x 7" Rockwell Q-Plus Type shoes*
Brake Control System: 16 1/2" x 7" quick change brakes, 2S/1M Haldex ABS*
Air Tank: (2) 9.5 x 27 air tanks
Air Line: Black Gates Nylon DOT Tubing*
Slack Adjuster: Meritor Style Auto - 5.5", 28 Spline*
Brake Chamber: TGI 30/30 Standard Stroke*
Brake Chamber Stroke Length: Standard Stroke length
Wheel: 10 Stud Hub Piloted Outboard Iron Hub with 16 1/2" x 7" cast steel brake drum
Lubrication Spec: Shell Spirax 80w-90*
Wheel Seals: Stemco*
Hub Cap: Stemco metal 340-4009 oil type hub cap*
Hubodometer: None
Slack Adjusters: Automatic
Gladhands: Velvac Gladhands, Service 035042 & Emergency 035045*
Gladhand Location: Located at Center of Front Bolster (HT G/N STD)

TIRES & WHEELS:

Tires: Factory Furnished
Tire Manufacturer: Atlas Tire*
Tire Size: 11R22.5
Tire Inflation System: None
Wheel Size: 8.25 x 22.5
Hub Type: Hub piloted for disc wheels
Wheel Color: White



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UPPER COUPLER:

Pick-Up Plate: 1/4" thick pick-up plate with 2" diameter drain holes

LANDING GEAR:

L/Gear Shoes: 10" x 10" sand shoe low profile

L/Gear Ground Clearance: Approximately 12" Ground Clearance

Landing Gear: Butler 50,000 LB lift/180,000 LB static with 2 speed gearbox* or Evolution 48,458 LB lift/138,765 LB static*

Crank Handle: Located at drivers side

ELECTRIC/AIR:

All LED Lights

Harness-Chassis: Molded Phillips Harness* w/ 7-Way Connector without Circuit Breakers*

Front Marker Lights: Trucklite 3050A LED Rivet Mounting*

Mid-Marker Lights: Trucklite 3050A LED Rivet Mounted/Trucklite 6050A MidTurn with TL 99152 WIDE TURN LENS*

Rear Side Marker Lights: Trucklite 3050 LED Rivet Mounting*

Rear Lights: (3) Trucklite 3050 LED Rivet Mounting*

Rear Stop/Turn/Tail Lights: Trucklite 4050 LED Rivet Mounting*

ABS Light: Trucklite 30200Y with 10728 Lamp Mounting Bracket & ABS Decal*

License Light: Trucklite 15040 LED*

Registration Holder: (1) Trucklite 97960*

Decals Standard: Factory Furnished

Conspicuity Markings: Conspicuity Stripe per Federal Regulation

PAINT/OTHER:

Metal Preparation: Commercial Shot Blast

Primer: Urethane Epoxy

Top Coat: Plural Component Acrylic Urethane

Paint Color: Black, unless otherwise specified