



BULL CHASSIS



40/45/48/53' Extendable Triaxle Container Chassis



*This chassis is designed for transporting a 40' or a 45' or a 48' or a 53' ISO or Domestic container
This chassis meets all DOT, AAR, ANSI, TOFC, CMVSS, SAE and TTMA specifications.*

OVERALL LENGTH: 40'-8" or 45'-8" or 48'-8" or 53'-8" (Excluding dock bumpers)

OVERALL WIDTH: 96" (over tire 102")

OVERALL HEIGHT: 58"

FIFTH WHEEL HEIGHT: 47 ± 1"

REAR BOLSTER HEIGHT: 48 ± 1"

KINGPIN LOCATION: 24" (From the rear face of the front bolster)

LANDING GEAR LOCATION: 113-3/4" (From the kingpin center)

TRIDEM LOCATION: 41-3/4" (From rear face of rear bolster to rear axle center when extended)

AXLE SPREAD: 60"+60"

SLIDER BOGIE SETTING: 48" travel in 4" increment

TARE WEIGHT: 11,420 lbs (approximately)

PAYLOAD: 67,200 lbs (30,480 kg)



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MAIN BEAM:

W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent.

CROSS MEMBER:

3/16" thick × 2 1/2" wide × 4 3/4" deep channel with profiled bar type diagonal brace for extension frame and

3/16" thick × 3 1/8" wide × 6 5/8" deep channel with profiled bar type diagonal brace for the rear main beam.

GN MEMBER:

4" deep x 4" wide fabricated H-beam by Grade 80 steel, with 5/8" thick flanges and 5/16" thick web.

Gooseneck flippers for changing the GN's height for ISO/ AAR tunnels.

UPPER COUPLER:

5/16" pick up plate with **JOST** 2" diameter square type king pin per SAE standard, 380-420 HB, with 2" water drain holes,

design to be integrated with main frame through welding.

FRONT BOLSTER:

8" wide x 10" high x 3/16" thick open section, with 3-1/2" chamfer in full length for gathering container in operation

7-way receptacle and glad hands are in the **center** of front bolster. Casted corner caps (**TOCA 905-940-000-RS/CS**).

REAR BOLSTER:

8" wide x 3/8" thick top plate with 7" wide x 7" deep x 3/16" thick "U" type bottom channel.

REAR BUMPER:

4" x 4" x 3/16" square tube step with taper "H" section vertical member. Bar is bolted to uprights. The bumper is bolted to rear bumper mounting bracket welded on main beam.

EXTENSION FRAME:

"Fabricated I-beam 8 1/4" deep with 5 1/4" × 3/8" thick top and bottom flanges with 1/4" thick web. Air operated locking pins, activated by spring brakes on both side of the trailer through third gladhand on front sill.

SLIDING SUSPENSION FRAME:

A sidemount friction slider with "Z" type slider rail fabricated by hi-tensile minimum 80,000 psi

steel, 3/16" thick crossmembers reinforced with gussets. The slider with four (4) index pins operated mechanical manner. Lock pin mechanism with removable and replaceable components.

FRONT LOCKING PIN: TOCA 905-910-000-LH/RH

REAR TWIST LOCK: TOCA 905-800-400B/ 905-800-500B

LANDING GEAR: **AXN** FW32E00J with 60,000 lbs capacity, 2-speed 17" travel with low "T" shoes.

Crank handle is located on the driver's side of the chassis. Pre-painted **BLACK RAL9005** color.

Landing gear brackets are bolted on the main beam as the layout.

SUSPENSION: **AXN** sidemount **OS 60"** tri-axle, overslung configuration with medium-arch 3-leaf spring (355-00). Pre-painted **BLACK RAL9005** color.

AXLES: **AXN** 5" round axles with 22500lb capacity; 77.5" track, Q+ 16.5"X7" 4707Q brake with **AXN** R23 linings.

Dust shields are provided. Pre-painted **BLACK RAL9005** color.

1.5-28 spline, **HALDEX** 5.5" automatic slack adjusters.

Reserved PSI interface; Heat Sensing Labels.

Axle Installation orientation: 90 degrees REAR, chambers DOWN (2 abs ready front and rear, 1 non abs mid per unit).

WHEEL END: **AXN** Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ.
SKF grease Hub Cap.

SKF seals and **Hyatt / General** Bearing Company (China) bearings.

Spindle nut: **AXN** Single nut.

LUBRICANT: **MOBILITH SHC 007 Synthetic Semi-Fluid Grease** lubricant.

WHEELS: **JINGU** 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted **BLACK RAL9005** color.

TIRES: **SAILUN** 11R22.5-16PR tubeless type, S665 tread without owner's logo.

BRAKE SYSTEM: **SEALCO** 110800 spring brake priority valve system, **SEALCO** 110580 control line valve and **WABCO** 4S/2M ABS system

PHILLIPS glad hand 12-13807 and 12-13607, 3/8" blue air tube for control and 1/2" red for supply.

HALDEX Goldseal T30/30, 2.5" stroke brake chamber.

ELECTRICAL: **PHILLIPS** mold seal wiring harness, Reserved PSI and GPS connector.

OPTRONICS LED lights (amp connections for S/T/T lights and .180 bullets for others). The theft proof design used for 4" LED lighting.

ELECTRICAL RECEPTACLE: **PHILLIPS** 15-7292 zinc alloy material with solid pins.

DOCUMENT HOLDER: **PHILLIPS** 16-802. Installed on roadside near crank handle.

CONSPICUITY TAPE: "3M" brand. Installed per federal regulations.

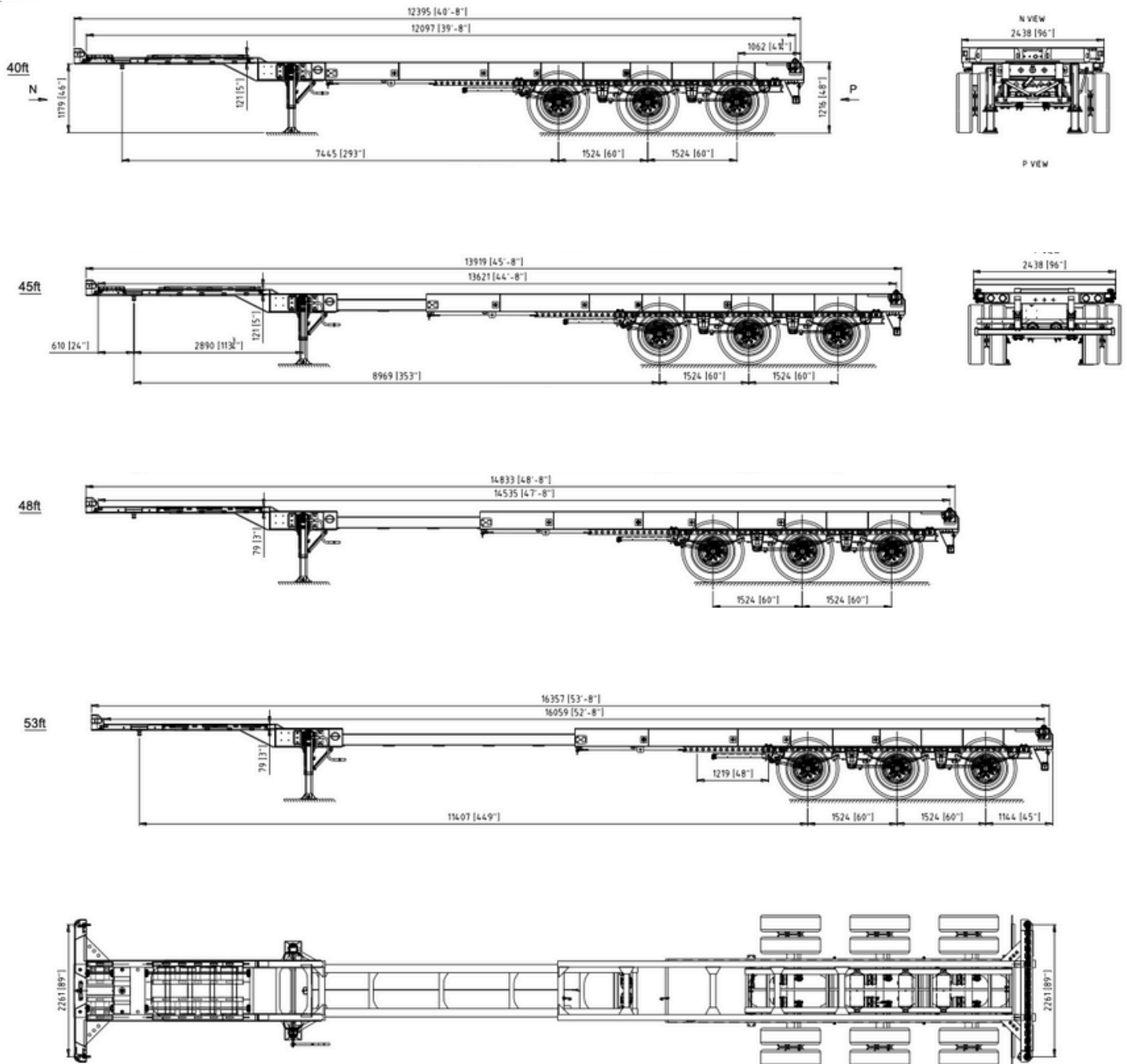
PAINTING: Abrasive blast of all metal surfaces - not less than SA-2.5 to achieve clean bare steel.

Surface will be coated with electrophoresis primer and true acrylic aliphatic urethane topcoat.

Color **YELLOW RAL1004** and at the corner painted **BLACK RAL9005** color.

Total thickness not less than 80µm after dry membrane. Coating supplier: **NOROO**







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www.bullchassis.com

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