



BULL CHASSIS

53ft GOOSENECK SLIDER TANDAM CONTAINERS CHASSIS



SPECIFICATIONS

1.- Objective

This chassis is designed for transporting a 53' ISO container
This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications.

2.- GENERAL

OVERALL LENGTH	53'-8" (Excluding dock bumpers)
OVERALL WIDTH	96" (above tire 102")
OVERALL HEIGHT	58"
FIFTH WHEEL HEIGHT	47 ± 1"
MAX. REAR HEIGHT	48 ± 1"
KINGPIN LOCATION	36" (From the rear face of the front bolster)
LANDING GEAR LOCATION	130" (From the rear face of the front bolster)
TANDEM LOCATION	49"
SLIDER BOGIE SETTING	84" travel in 4" increment
TARE WEIGHT	7,450 lbs (approximately)
PAYLOAD	67,200 lbs

3.- Structure and Components

Main Beam	One piece W12@16lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent
GN Beam	4" deep x 4" wide fabricated H-beam, 5/8" thick flanges and 5/16" thick web
Upper Coupler	1/4" pickup plate with a 2" square JOST kingpin according to SAE standard, 380-420 HB, with 2 water drain holes of 2", designed for integration with the main frame through welding
Front Reinforcement	7-3/8" wide x 7-3/4" high x 1/4" thick open section, with 2-3/8" chamfer in full length for gathering container in operation. 7-way receptacle and glad hands are located on the roadside of front bolster. Casted corner caps (TOCA 905-950-000CS/RS).
Rear Reinforcement	8" wide x 3/8" thick top plate with 7" wide x 6-5/8" 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 main beam.
License plate bracket	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear cluster lights, rear fleet number & license plate.
Sliding suspension frame	Z-beam slider suspension with 4 index pins. EZ-Pull lock pin mechanism with removable and replaceable pin cage. Pre-painted BLACK color.
Front locking pin	TOCA 905-910-000-LH/RH
Rear twist lock	TOCA 905-130-000-90-LH/RH
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 color. Landing gear brackets are bolted on the main beam as the layout.
Lubricant	Petro Canada precision synthetic EP 00 semi fluid grease lubricant.
Axles	AXN 5" round axles with 22500lb capacity. 71.5" track; Q16.5"X7" 4707Q brake. Pre-painted BLACK color. 11.5-28 spline, HALDEX 5.5" automatic slack adjusters. Axle Installation orientation: 270 degrees FRONT, Chambers UP (1 abs ready front, 1 non abs rear per unit).
Wheel end	AXN Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ. STEMCO 358-4009 Integrated Sentinel Grease Hub Cap. STEMCO seals and bearings. Spindle nut: STEMCO Pro-Torq P/N 447-4743. (5-year warranty wheelend).
Tires	WESTLAKE 11R22.5-14PR tubeless type.
Wheels	JINGU 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted WHITE color.

· **CROSS MEMBER**

1/8" & 3/16" thick full height channel with profiled bar type diagonal brace



· **PAINT**

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 powder topcoat. Color BLACK and at the corner painted YELLOW color. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG (7-year warranty).



· **BULL GPS**

Real-time tracking, geofencing, configurable alerts, 4G LTE and Bluetooth connectivity, sensor equipment, and comprehensive reports.



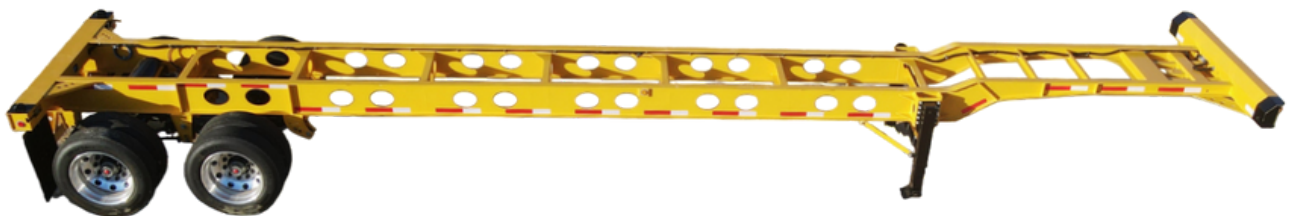
· **CROSSMEMBER**

1/8" & 3/16" thick full height channel with profiled bar type diagonal brace



· **LANDING GEAR**

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





· **SUSPENSION SYSTEM**

AXN tandem suspension with high-arch 3-leaf spring (354-00). Pre-painted BLACK color.



· **BRAKE SYSTEM**

SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system.

PHILLIPS swinger glad hand 12-4906 and 12-4908, 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30, 2.5" stroke brake chamber. FUWA air tanks.



· **ELECTRICAL SYSTEM**

GROTE mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty).

GROTE LED lights (amp connections for S/T/T lights; PL-10 for Marker/ID/ABS lights and .180 bullets for license light). The theft proof design used for 4" LED lighting.



WORKING WITH THE BEST



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