



BULL CHASSIS

# 20/40' SLIDER 12PINS CONTAINER CHASSIS TANDEM



## SPECIFICATIONS

### 1.- OBJECTIVE

This chassis is designed to carry one ISO 20' container or 2 x 20' empties or a 40' ISO container. This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE, and TTMA specifications.

### 2.- GENERAL

<b>Total length</b>	31'-7" (retracted) or 40'-11" (extended)
<b>Total width</b>	96"
<b>Height of the fifth wheel</b>	47 ± 1"
<b>Height of the rear platform</b>	48 ± 1"
<b>Kingpin location</b>	18" (from the rear face of the front support)
<b>Landing gear location</b>	"100"" (from the center of the kingpin)"
<b>Tandem location</b>	32" (From the rear face of the rear bolster to the center of the rear axles when extended)
<b>Axle spread</b>	109"
<b>Tare weight</b>	9,350 lbs ± 2%
<b>Payload</b>	54,500 lbs for 20' loaded or 57,000 lbs for 40' loaded

### 3.- STRUCTURE AND COMPONENTS

<b>Main Beam</b>	16" x 5" hot-rolled I-beam manufactured with high-strength flanges and a 6-11/32" height for the gooseneck rail
<b>Upper Coupler</b>	5/16" hitch plate with a 2" diameter square JOST kingpin as per SAE standard with a hardness of 380-420 HB, and 2 water drainage holes of 2", designed to integrate with the main frame via welding.
<b>Intermediate Support</b>	Made with retractable twistlocks and swivel twistlocks.
<b>Rear Reinforcement</b>	Main frame rectangular reinforcement made with a top and bottom plate of 3/8" thickness and side plates of 5/16". HB, with 2" water drainage holes, designed to integrate with the main frame via welding. Box beam of 6-5/8" height x 4" width on the slider comprised of top/bottom plates of 1/2" thickness with 5/16" side plates with fold-down twistlocks.
<b>Lock System</b>	Air-actuated lock bolts, spring-activated brake 30/30 on both sides of the trailer via the third air hose at the front threshold
<b>Landing Legs</b>	AXN FW32E00J with a 60,000 lbs capacity, 2 speeds and 17" travel with low "T" type shoes. The crank is on the driver's side of the chassis. Pre-painted in BLACK color. The landing leg brackets are bolted to the main beam as per design.
<b>Container Locks</b>	<b>TOCA</b>
<b>Suspension</b>	AXN suspension with a 109" axle spread, underslung configuration with a single high-arch spring (360-00). Pre-painted in BLACK color.
<b>Axles</b>	5" round AXN axles with a 22,500lb capacity; 71.5" track, Q+ brake 16.5" X 7" 4707Q. Pre-painted in BLACK color. 1.5-28 spline, 5.5" HALDEX automatic adjusters. Reserved PSI interface; Heat detecting labels. Axle installation orientation: 90 degrees rear, chambers DOWN (1 front abs-ready, 1 non-abs rear per unit).
<b>Wheel End</b>	AXN hub and drum assembly P/N H30-0647BFNTZ/H30-0647BFNZ, integrated grease hub cap STEMCO 358-4009 Sentinel, STEMCO seals and bearings. Axle nut: STEMCO Pro-Torq P/N 447-4743. (5-year warranty for the wheel end)
<b>Lubricant</b>	Petro Canada synthetic semi-fluid grease lubricant precision EP 00
<b>Wheels</b>	JINGU 22.5 x 8.25 10-bolt rims with pilot center, with 5 hand holes and TR572 valve. Pre-painted in PMS BLACK C.
<b>Tires</b>	WESTLAKE 255/70R22.5-16PR tubeless type.
<b>Brake System</b>	SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system. PHILLIPS 12-0061 and 12-0081 connections, 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30 brake chamber, 2.5" stroke. FUWA air tanks.
<b>Electrical</b>	PHILLIPS mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty) OPTRONICS LED lights (amp connections for S/T/T lights and .180 bullets for others). Theft-proof design used for 4" LED lighting.
<b>Electrical Receptacle</b>	PHILLIPS 15-7292 alloy zinc material receptacle with solid pins.
<b>Paint</b>	blast cleaning of all metal surfaces - not less than SA-2.5 to achieve clean and bare steel. The surface will be coated with electrophoresis primer and powder top coat. BLACK color and painted YELLOW at the corner. Total thickness is not less than 80µm after dry film. Coating provider: PPG (7-year warranty).
<b>Bull GPS</b>	Real-time tracking, geofencing, configurable alerts, 4G LTE and Bluetooth connectivity, sensor equipment, and comprehensive reports.

· CHASSIS

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· CONSPICUITY TAPE:

3M" brand. Installed per federal regulations.



· BULL GPS

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



· DOCUMENT HOLDER:

PHILLIPS 16-802. Installed on the roadside near the crank handle.



· FRONT BOLSTER:

Fabricated bolster assembly with high-strength plates with 89" centers, equipped with non-retractable twist locks.





· **SUSPENSION SYSTEM:**

AXN with 109" axle spread, underslung configuration with a high-arch single spring (360-00). Pre-painted in BLACK color.



· **SISTEMA DE FRENOS**

SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system. PHILLIPS glad hand 12-0061 and 12-0081, 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30 brake chamber with a 2.5" stroke. FUWA air tanks.



· **ELECTRICAL SYSTEM:**

PHILLIPS mold-sealed wiring harness, Reserved connector for PSI and GPS. (10-year warranty) OPTRONICS LED lights (amplifier connections for S/T/T lights and .180 bullets for others). Theft-proof design used for 4" LED lighting.




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