

CANADIAN DOLLY TANDEM Specification

Released on August 20th, 2024

1. Model: TITS/2KS0392ICA

Quotation No.: TITS- OT-2401 (40 UNITS)

This dolly tandem trailer is designed to satisfy with all related requirements of DOT, CMVSS, SAE specification.

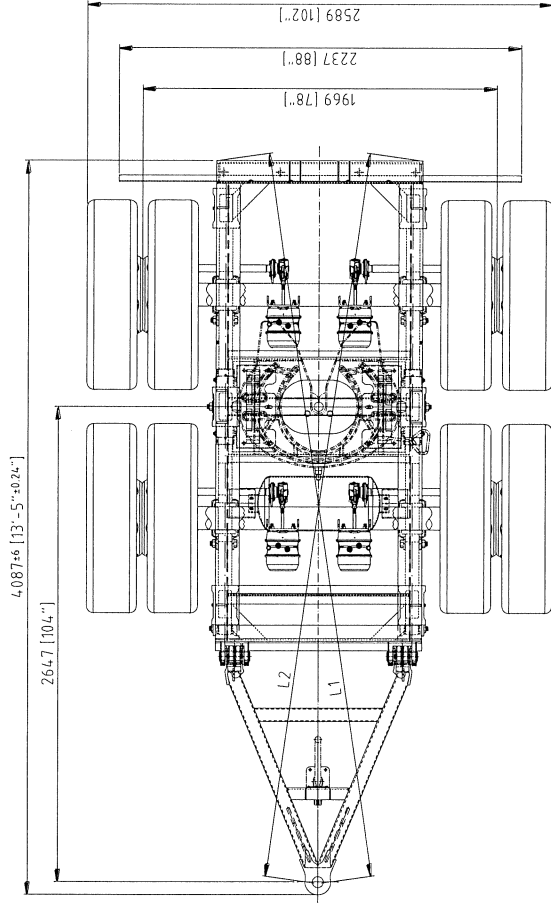
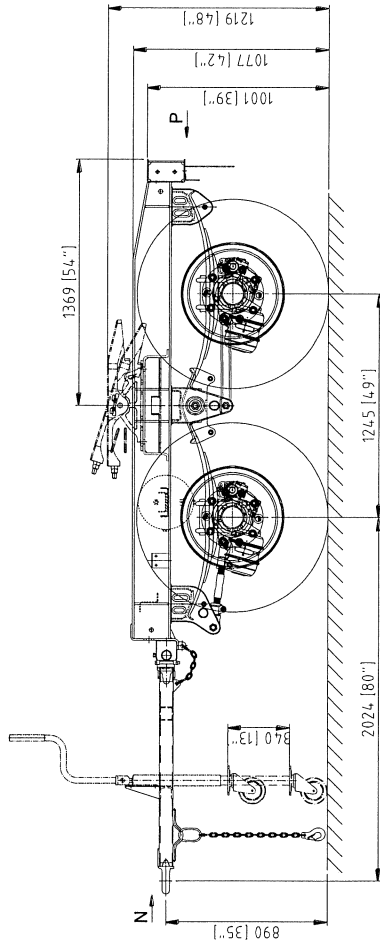
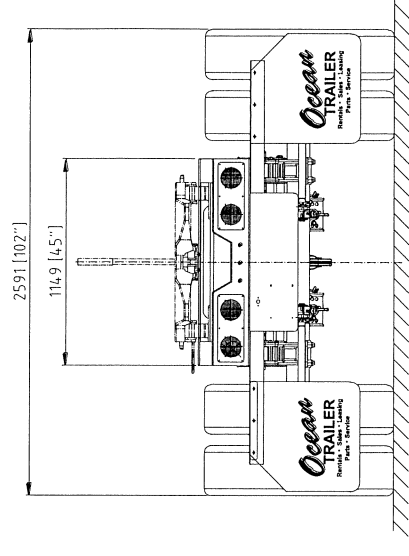
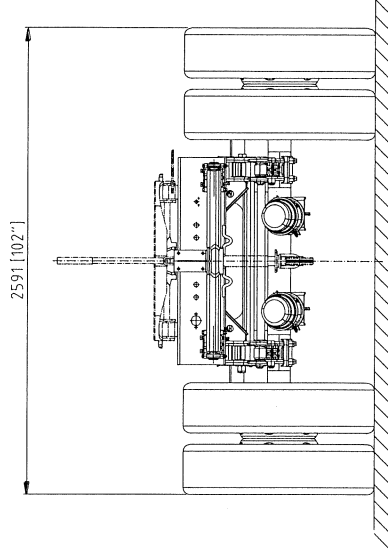
2. General

Overall Length:	13' 5"
Overall Width:	102" (over tire)
Fifth Wheel Height:	48 ± 1"
Rear Bolster Height:	39-3/8 ± 1"
Drawbar length:	105" (From drawbar to fifth wheel)
Tandem location:	53-1/2" (From rear face of rear bolster)
Axle Spread:	49"
Tare Weight:	4,800 lbs (2,180 kg) ± 2%
GVWR:	44,000 lbs (20,000 kg)

3. Steel Structure & Components

Steel material:	All steel materials supplied from Zero Chinese sources.
Main beam:	8-1/4" x 5-1/4" H-beam fabricated by GR80 steel, 3/8" thick flange and 1/4" thick web.
Drawbar beam:	Fabricated beam from 3" x 3" x 1/4" square tubes. ASTM A-500 GR.B or equivalent.
Fifth wheel:	HOLLAND bolt-on type FW35. Provided by buyer.
Drawbar:	HOLLAND DB-1400.
Dolly jack:	PREMIER 800P-15-829 Utility Jack with BLP21S-PH060R-14 6x2 Swivel Phenolic Wheel, RB, 4x4 1/2 plate, 1200LB cap. Provided by buyer.
Safety chain:	5/8" Grade 80 Alloy steel chain. Provided by buyer.
Safety hook:	Sling Hook GR100. Provided by buyer.
Hinge assembly:	PREMIER 440 Pair hinges, Rubber bushings.
Suspension:	AXN mechanism suspension w/ spring 356-00, 49" axle space, 41" hanger bracket center. Pre-painted BLACK RAL9005 color.
Axles:	HENDRICKSON 5" round axles with 22,500lb capacity; 77.5" track, 16.5"x7" Standard brake with HENDRICKSON 23K linings. Dust shields are provided. Pre-painted BLACK color. 1.5-28 spline, HALDEX 5.5" automatic slack adjusters with stroke indicators. Axle vent; Heat Sensing Labels. Axle Installation orientation: 90 degrees REAR, chambers DOWN (1 abs ready front, 1 non abs rear per unit).
Wheel end:	KIC Ductile Iron Hub & KIC Cast outboard Drum Assembly, HENDRICKSON Steel Grease Hub Cap, Standard seals and ZWZ bearings. Spindle nut: Standard 3 piece. (5-year warranty wheelend).
Lubricant:	Chevron Delo SF semi fluid grease lubricant.
Wheels:	SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted white color.
Tires:	SAILUN 11R22.5-16PR tubeless type, S665 tread without owner's logo.
Brake System:	SEALCO 110800 spring brake priority valve system, SEALCO 110570 control line valve and WABCO 2S/1M ABS system. PHILLIPS glad hand 12-0061 and 12-0081. TECTRAN 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:	GROTE mold seal wiring harness, Reserved PSI and GPS connector. GROTE 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:	GROTE die cast nose box with solid pins.
Document Holder:	PHILLIPS 16-802. Installed on roadside near crank handle.
Conspicuity tape	" AVERY " 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 powder topcoat. Color BLACK RAL9005 . Total thickness not less than 80µm after dry membrane. Coating supplier: Local supplier (Vietnam).
Marking:	OTR configuration (includes Decal, layout, VIN, nameplate).
Tire Inflation System:	NONE
Hubodometer:	NONE
Mud flaps:	24"x24"x1/4" (610X610X6mm) Black PVC mud flaps with "OTR" logo and address.

4. Layout



confirmed by CUSTOMER

confirmed by THACO

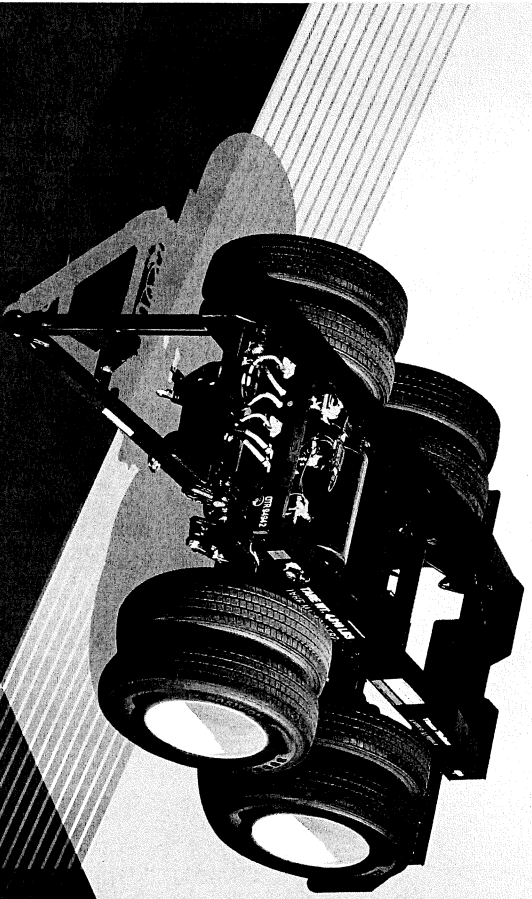
OTR # 96367-96391



Thaco Trailers

Ocean
TRAILER

TANDEM DOLLY



Overall Length | Overall Width | Axle Spread | Tare Weight | GVWR
 13'5" | 102" | 49" | 4,800 lbs | 44,000 lbs

Weight capacity and stability, this chassis is designed to transport heavy objects conveniently and easily. Two-axle structure provides increased capacity over the standard models.

OCEAN TRAILER

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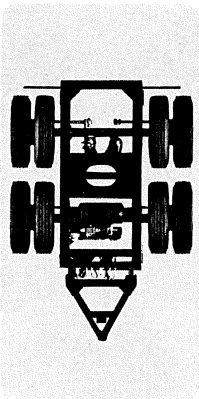
GENERAL	
Overall Length	13' 5"
Overall Width	102" (over tire)
Fifth Wheel Height	48 ± 1"
Rear Bolster Height	39.3/8 ± 1"
Drawbar Length	98" (From drawbar to fifth wheel)
Tandem location	53 1/2" (From rear face of rear bolster)
Axle Spread	49"
Tare Weight	4,810 lbs (2,180 kg)
GVWR	44,000 lbs (20,000 kg)
STEEL STRUCTURE & COMPONENTS	
Main beam	8 1/4" x 5 1/4" H-beam fabricated by GR80 steel, 3/8" thick flange and 1/4" thick web
Fifth wheel	HOLLAND FW35
Drawbar	HOLLAND DB-1400
Dolly Jack	HOLLAND JS-300-B6R
Safety chain	5/8" Grade 80 Alloy steel chain
Safety hook	Sling Hook GR100
Suspension	AXN mechanism suspension w/ spring 356-00, 49" axle space, 41" hanger bracket center
Axles	AXN 5" round axles with 22,500 lbs capacity, 77.5" track, Q+ 16.5"XT 4707Q brake with AXN R23 linings. Dust shields are provided 1.5-28 spline, HALDEX 5.5" automatic slack adjusters Reserved PSI interface: Heat Sensing Labels Axle Installation orientation: 90 degrees REAR, chambers DOWN (1 abs ready front, 1 non abs rear per unit)
Wheel end	AXN Hub & Drum Assembly P/N H30-0647BFN1Z/H30-0647BFNZ, STEMCO 358-4009 Integrated Sentinel Hub Cap, STEMCO seals and bearings Spindle nut: STEMCO Po-Torq P/N 447-4743, (5-year warranty wheelend) Petro Canada precision synthetic EP 00 semi fluid grease lubricant
Lubricant	Petro Canada precision synthetic EP 00 semi fluid grease lubricant
Wheels	SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem
Tires	SAILUN 11R22.5-16PR tubeless type, S665 tread
Brake System	SEALCO 110800 spring brake priority valve system, SEALCO 110580 control line valve 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, 2.5" stroke brake chamber
Electrical	PHILLIPS mold seal wiring harness, Reserved PSI and GPS connector OPTONICS LED lights (amp connections for S/T/T lights and .180 bulbs 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	"AVERY" 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 powder topcoat. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG (7-year warranty)
Marking	Customer configuration (includes Decal, layout, VIN, nameplate)
Tire Inflation System	NONE
Hubodometer	NONE
Mud flaps	24"x24"x1/4" (610X610X6mm) Black PVC mud flaps with "Customer" logo and address

STRENGTH - STABILITY - VERSATILITY

Thaco Trailers equipped cutting-edge technologies to create durable and reliable products

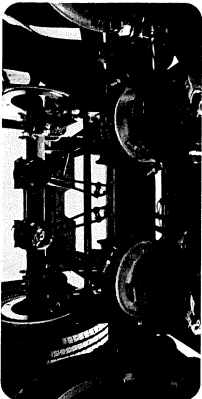
CHASSIS

The modern design, built with the most advanced technology and high-strength alloy steel materials, boasts a solid structure that maximizes load capacity and stability.



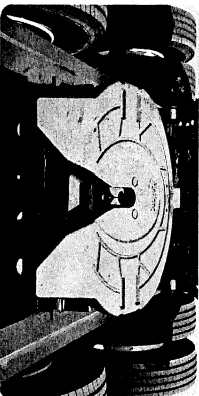
AXLES

The **AXN 5"** round axle with 22,500 lbs capacity improves handling significantly.



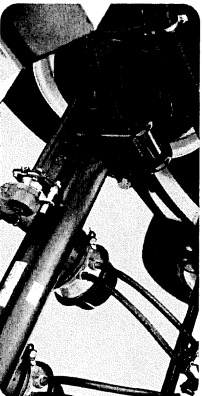
FIFTH WHEEL

HOLLAND FW35 is a versatile and reliable fifth wheel with features to ensure a strong connection between the front trailer and rear trailer.



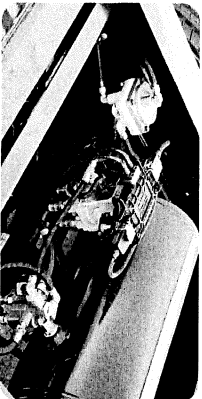
SUSPENSION SYSTEM

Tri-axle suspension system with **AXN** mechanism suspension w/ spring 356-00 provides a smooth ride, heavy-duty capacity and durability.



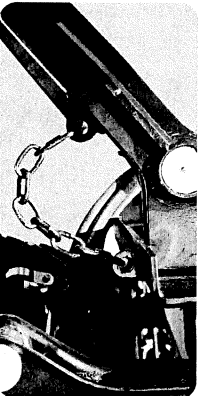
BRAKE SYSTEM

SEALCO 110800 spring brake priority valve system improves vehicle performance and safety. **WABCO 25/1M** ABS system prevents wheel lock-up during braking, reducing skids and loss of control.



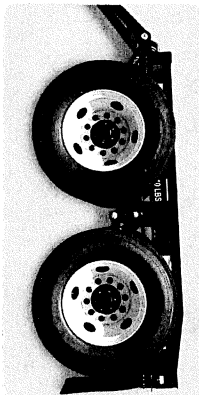
SAFETY CHAIN

5/8" Grade 80 Alloy steel chain will provide a backup connection to keep the trailers from becoming disconnected.



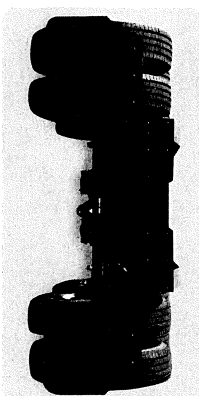
WHEELS & TIRES

SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels are durable, precise and safe wheels for heavy-duty trucks. **SAILUN 11R22.5-16PR** provides good traction on various terrains.



ELECTRICAL

PHILLIPS molded sealed wiring harness, protects wires from environmental factors and damage. **OPTRONICS** LED lights are designed to be theft-resistant and withstand harsh conditions.



PAINTING

Surface treatment and painting processes including shot blasting, ED primer and powder topcoat are standard technical requirements.

- Paint finishes are warranted for up to 7 years.
- 1,000 hours of salt spray testing.

STANDARD INFORMATION

- This chassis meets all DOT, GMVSS and SAE certifications.
- Locally-sourced components: Main frame, suspension system, leaf spring, mud flaps,...

