

## SPECIFICATIONS

### 1. PURPOSE

This chassis is designed to carry one ISO 20' or 2 x 20' empties or 40' ISO containers and meets all D.O.T., A.A.R., ANSI, T.O.F.C., FMVSS, SAE and TTMA specifications.

### 2. GENERAL

Overall Length	31'-10" or 41'-2" (extend)
Overall Width	96"
Rear bunk height	48 ± 1"
Fifth Wheel Height	48 ± 1"
Kingpin Location	18" (From the rear of the front bolster)
Landing Gear Location	100" (From the kingpin center)
Axle Spread	109"
Tandem location	25" (From rear face of rear bolster to rear axle center)
Tare Weight	9,350 lbs (approximately)
Payload	56,000 lbs for 20' loaded or 40' loaded

### 3. STEEL STRUCTURE AND COMPONENTS

Main beam	16"x5" fabricated I-beam with high strength flanges and 6-11/32" height for gooseneck rail
Upper coupler	1/4" pick up plate with JOST 2" diameter square type kingpin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding
Bolsters	Fabricated bolster assembly with high strength plates with 89" centers, equipped with none retractable twist locks
Slider beam	Fabricated I beam with 3/4"x5" upper and lower flanges and 3/16" web, slider extends or retract on 6" diameter steel rollers
Locking system	Air operated locking pins, activated by 30/30 spring brakes on both side of the trailer through third gladhand on front sill
Landing gear	AXN 60,000 lbs capacity, 2-speed 17" travel with low "T" shoes Crank handle is located on the driver's side of the chassis.
Suspension	Hutchens H and CH-9700 US TWS 61" axle spread, high-arch single springs (360-00)
Axles	AXN 5" round axles with 22500lb capacity, 71.5" track, 16.5"x7" brake; Stemco bearing/seal, HALDEX 28 spline, HALDEX 5.5" automatic slack adjusters, Stemco P/N 352-4009, hub internally vented; 10 HUB piloted hubs with 20K standard AXN cast steel drum (2 abs ready front, 1 non abs rear per unit).
Lubricant	Mobilith SHC007 synthetic grease lubricant with metal hubca
Wheels	Sunrise/Jingu 22.5 x 8.25 hub-piloted wheels
Tires	WESTLAKE 255/70R22.5-16PR tubeless type
Brake System	Sealco 110800 spring brake priority valve system and WABCO 4S/2M ABS brake system Phillips glad hand 12-0061 and 12-0081 and HALDEX T30/30 stroke brake chamber 3/8" blue air tube for control and 3/8" red for supply, HOOSIER air tanks, meet FMVSS 121
Electrical	OPTRONICS 12-volt LED lighting with Phillips mold seal wiring harness (Reserved PSI and GPS connector), meet DOT and SAE standards. The theft proof design is used for 4" LED lighting.
Mud flaps	THACO standard, 24"x 18" white PVC/all-rubber 3/8" thick mud flaps.
Document holder	Installed on roadside before the landing gear with stainless steel rivets
Container locks	Buffer compact retractable twist locks
Conspicuity tape	Red/White reflective, "3M" brand, installed per F(C)MVSS 108
Painting	Abrasive blast of all metal surfaces – not less than SA-2 to achieve clean bare steel Surface will be coated with electrophoresis primer and true acrylic aliphatic urethane topcoat, color optional, total thickness not less than 80µm after dry membrane
Marking	THACO standard marking
Option	Hubodometer, PSI tire inflation system without Thermal-Alert

# THACO

## 20'/40' COMBO, TANDEM SEMI-TRAILER



### COLOR



Website  
[www.thacosv.vn](http://www.thacosv.vn)

• **CHASSIS**

Modern design with the most advanced technology, hot rolled so the stress is evenly distributed, high-strength alloy steel materials, solid structure increase the load capacity with high stability.

Cross member linked chassis structure can stand high bending force

Mechanical suspension, 3-leaf spring (354-00)



• **RIM & TIRE**

Wide and deep tread enhances cost per mileage, driving stability and traction

+ Rim: SUNRISE/JINGU - 8.25x22.5

+ Tire: Westlake 255/70R22.5-16PR Tubeless



• **LANDING GEAR**

+ Model: JOST/ AXN

+ Dynamic Load/ Pair: 24,750 ~ 27,000 kg

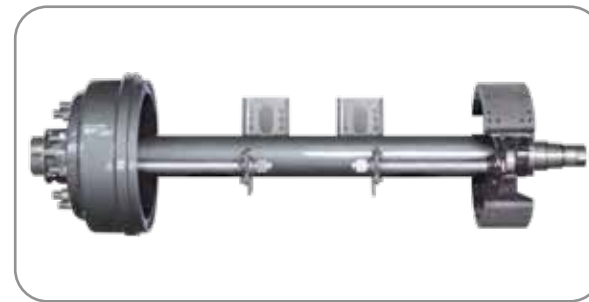


• **SUSPENSION SYSTEM**

+ Brand: AXN

+ Capacity: 10,125kg (22,500Lbs)

+ Brake: Ø420mm (16.5")



• **BRAKE SYSTEM**

ABS Valve: Wabco 2S/1M

Brake Chamber: HALDEX T30/30

Air tank: HOOSIER 46L



• **ELECTRICAL SYSTEM**

LED light 12V, Red PC rated marker/clearance light, recess flange mount, weathertight connection



• **OTHERS**

PSI Tire Inflation System



Hubodometer



Front Twist Lock



Rear Twist Lock



• **PAINTING**

Chassis using Electro Deposition painting technology to increase the painting durability



• **KINGPIN**

Fabricated by hot forged steel, welding type Ø50mm



**THACO SPECIAL VEHICLES MANUFACTURING CO.,LTD**

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