



## Detachable Gooseneck Trailer

<b>NET CAPACITY</b>	110,000 lbs (49,895 kg)
<b>ESTIMATED WEIGHT</b>	20,200 lbs (9,163 kg)
<b>DECK LENGTH</b>	25 ft (7.62 m)
<b>DECK WIDTH</b>	102 in (2.59 m)



Unit shown with optional stinger/flip, hydraulic power unit and 30 in (0.76 m) bolt on front flip ramps.

DETACHABLE GOOSENECK TRAILER  
503-554 SS SF

### KEY FEATURES

- Air-activated, gooseneck to deck self-locking system, with a 26 inch (0.66 m) wide trough for fast and easy hook-up.
- Fabricated full depth outriggers for strength where you need it.
- Driver's side control ratchet system allows four deck height settings and will accommodate different tractor 5th wheel heights.
- Reinforced for future 4th axle and stinger/flip.

### Standard Specifications

Dimensions	
<b>Net capacity</b>	110,000 lbs (49,895 kg) capacity in 12 ft (3.66 m) load concentration with stinger/flip**
<b>Yield strength of steel construction</b>	100,000/80,000 psi (6,895 bar/5,516 bar)
<b>Deck</b>	
Height (loaded)	24 in (0.61 m)
Length	25 ft (7.62 m)
Width	102 in (2.59 m)
Ground clearance (loaded)	8 in (0.2 m)
<b>Gooseneck</b>	
Height (5th wheel)	47-52 in (1.19-1.32 m)
Length	13 ft 2 in (4.01 m)
Swing clearances	114 in and 92 in (2.9 m and 2.34 m)
Trough width	26 in (0.66 m)
<b>Axles</b>	
	3 axles
Nominal capacity	25,000 lbs (11,340 kg)
Spacing	54-1/2 in (1.38 m)
<b>Frame Reinforcing</b> Reinforced for optional 4th axle and stinger/flip. Connections, air and electric are provided.	
<b>Base unit weight (estimated)</b>	20,200 lb (9,163 kg)

Gooseneck	
<b>Design</b>	Non-ground bearing hydraulic self-lifting detachable gooseneck able to lift above or below transport position. (Includes frame lift support)
<b>Power source</b>	Wet kit operation (less tractor portion)*
<b>Gooseneck to deck lock</b>	Air-activated, self-locking system (Positive Lock)
<b>Controls</b>	Driver's side, at rear of gooseneck
<b>Ratchet</b>	Allows four position deck height settings

Deck	
<b>Beams</b>	Four full depth 16 in (0.41 m) cambered
<b>Crossmembers</b>	Heavy duty I-beam
<b>Knuckle trough</b>	Last three crossmembers lowered between main beams with special knuckle trough
<b>D-rings</b>	Six per side of deck (12 total)
<b>Outriggers</b>	Twelve swing-out, full depth outriggers per side (24 total)
<b>Decking</b>	2 in (5.1 cm) nominal Apitong boards for outer deck (center portion open)
<b>Rear drop</b>	30°
<b>Rear bolster</b>	3/4 height

\*\* Concentration loads are at 60 mph.

\* Operating Pressure/GPM

Wet kit system requires 3,000 psi (206.8 bar) at 10 gpm.

Maximum flow to lift load at full capacity. ALL WEIGHTS ARE +/- 3%.

# Detachable Gooseneck Trailer

## 503-504 SS SF

### Standard Specifications

Subframe	
<b>Suspension</b>	Air ride suspension with automatic and adjustable height controls
<b>Axes</b>	3 axes
Nominal capacity	25,000 lbs (11,340 kg)
Spacing	54-1/2 in (1.38 m)
<b>Tires</b>	12 tires
Size	255/70 R 22.5 H
<b>Wheels</b>	12 wheels
Size	8.25 in x 22.5 in
Type	Hub piloted steel disc wheels
Seals	Stemco with grit guard
<b>Hub type</b>	Oil seals
<b>Brakes</b>	16-1/2 in x 7 in (0.42 m x 0.18 m) spring brakes
<b>Brake air drain</b>	Remote to drivers side
<b>Slack adjusters</b>	Automatic
<b>Sign pockets</b>	Wide load sign pockets (no sign included)
<b>Mudflaps</b>	Rubber anti-spray/anti-sail
<b>Excavator cut-out</b>	First 4 ft (1.22 m) is bottom plated, then open to tailgate

Finish	
<b>Lights</b>	DOT rubber mounted sealed LED lights
Tail	Three per side (standard)
Signal	Mid-turn signal, clearance light
<b>Wiring harness</b>	Modular
<b>Paint</b>	Terex white polyurethane

### Options

Dimensions	
<b>Deck width</b>	9 ft (2.74 m)
<b>Goosenecks</b>	
<b>Length</b>	<b>Swing</b>
12 ft 9 in (3.89 m)	108 in (2.74 m) and 86 in (2.18 m)

Gooseneck	
<b>Hydraulic power unit</b>	13 hp Honda with variable mountings
<b>Gooseneck fenders</b>	12 ft 9 in (3.88 m) and 13 ft 2 in (4.04 m)
<b>Spare tire carrier</b>	Located over kingpin

Deck	
<b>Drop side deck</b>	6 in (0.15 m) drop
<b>Deck length</b>	26 ft (7.92 m) or 28 ft (8.53 m)*
	*12 ft 9 in (3.88 m) gooseneck required
<b>Front ramps</b>	30 in (0.76 m) flip ramp - bolt on 10 in (0.25 m) fixed ramp - weld on

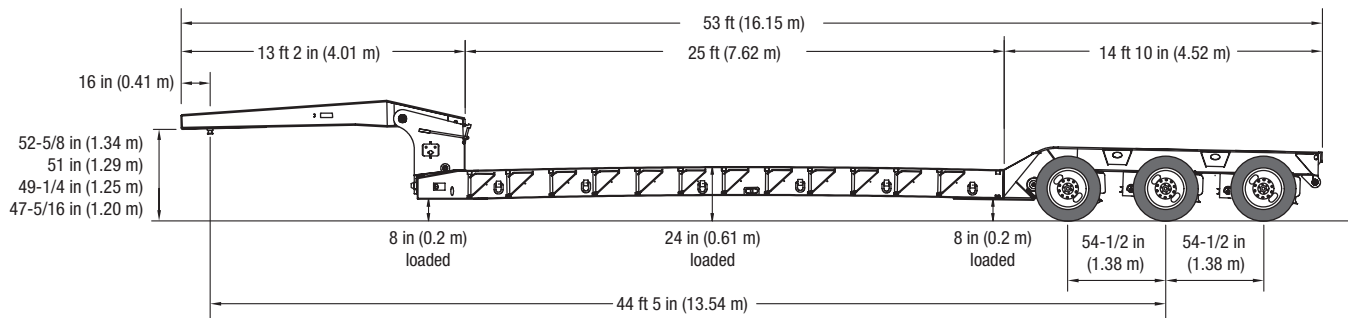
Reinforcements	
Deck	12 in (0.31 m) crossmember spacing in outer bays
<b>D-rings</b>	Additional 4 pair - standard location
<b>Apitong decking</b>	Outrigger planks, center decking secured
<b>Storage space</b>	Expanded metal between deck mainbeams (per ft)

Subframe	
<b>Axle option</b>	Third axle air lift
<b>Height control</b>	Air regulated
<b>Scale system</b>	Airweigh
<b>Tires</b>	12 tires
Size	275/70 R 22.5 H
<b>Brakes</b>	Spring brakes on all axles
<b>3rd tail light with strobe</b>	With no battery or with gel cell battery
<b>Aluminum wheels</b>	Outside polished/steel inside or outside polished/inside aluminum machine finished
<b>Axle spacing</b>	60 in (1.52 m)
<b>Covered wheel wells</b>	Covers for 54-1/2 in (1.38 m) or 60 in (1.52 m) axle spacing
<b>Full width wheel covers</b>	Center fill in with 54-1/2 in (1.38 m) or 60 in (1.52 m) axle spacing
<b>Sign pockets (standard)</b>	Wide load sign included
<b>Excavator cut-out</b>	Backhoe tray-bolt on

Finish	
<b>Paint</b>	Paint-color match acrylic enamel

Optional components	
<b>Spreader bar</b>	SB141
<b>Flip Axle</b>	FL201SF

### Dimensions



Preliminary dimensions and specifications subject to change without prior notice.



For more information, product demonstration, or details on purchase, lease and rental plans, please contact your local Terex® Load King dealer.

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