



# DRAGON

## 3 Axle Removable Neck Trailer



### SPECIFICATIONS:

- Type: Low Profile Level Deck with removable neck.
- Payload: 50 tons (100,000 lb) distributed over 16 ft.
- Overall length: 56'-7"
- Deck length: 42'-0"
- Deck width: 8'-6" (102")
- Deck height: 3'-5" (41")



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# 50 Ton 3 Axle Heavy Haul Trailer

- **Deck Camber:** 1-1/2" nominal, neck to first axle
- **King Pin settings:** 16" and 34"
- **Swing Clearance:** 8' - 6" (102") and 10' - 0" (120")
- **Frame:** 4 beam design. Fabricated beams from a A514 T-1 high tensile steel flanges and webs. Main beams boxed reinforced at critical deck transition, 2-1 minimum safety factor at maximum payload stresses
- **Front Deck:** 27'-9" L, 2" apitong attached at ends and every other crossmember.
- **Rear Deck:** 14' - 3" L including tail roller, 1/4" steel plate deck, continuous welds on top, intermittent welds on under side
- **Neck:** Mechanical removable with roller at rear, 2 King Pin locations, spare tire carrier each side (spare tires optional)
- **Rear Deck Roller:** 8" SCH 160 pipe (8 5/8" OD) with double spherical bearings, 2 sets of over load rollers, grease fittings on main roller and overload rollers
- **Neck Roller:** 6" SCH 160 pipe (6-5/8" OD) with double spherical bearings, grease fittings, cable guide flanges
- **Deck Load Rollers:** 6" sch 160 pipe (6-5/8" OD) with double spherical bearings, grease fittings, air operated to raise, spring load to lower, used to assist in unloading skidded loads off the rear
- **Pin Pockets:** 1 each side at rear on 45 degree angle with 1/2" grab hooks, (2) 3" id each side in main deck inside outer beam, 6 each side on outside of outer beam
- **D Rings:** 16 on each side, outside of outer beam, 2 inside of neck
- **Outriggers:** 13 each side, forged heavy duty, locking against beam and at 90 degrees to beam
- **Traction Cleats:** 3/4" x 1" A514 T-1 steel, continuous welds solid on up hilltop, intermittent welds on downhill side
- **Suspension:** 30,000 lb. (per axle) air ride, air lift on front axles, manual dump all axles, travel limit straps on all axles
- **Axles:** 3 - 25,000 lb. round with outboard drums
- **Wheels:** 10 hole steel disc hub pilot
- **Axles:** 5 -25,000 lb. round with outboard drums
- **Tires:** 255R/70 x 22.5 Radial
- **Brakes:** 16 1/2 x 7, spring parking brakes on 4 axles, auto slack adjusters
- **Bumper:** 4" SCH 80 pipe with 4 - D rings
- **Mud Flaps:** Anti Sail
- **Lights:** Full DOT lights, sealed led lights
- **Coating:** All surfaces near white metal steel grit blast, 2.5 ml profile (SP-6), primed and color coated (before decking) with high solids polyurethane, 4-6 ml dry film thickness



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