

# **CHALLENGER**<sup>®</sup>

# **CARRIERS**

## **Strongest & Most Durable in the Industry**



With the increased problems loading low clearance vehicles, Challenger offers an easy solution that makes the use of wood planks and ramps obsolete. Challenger's Right Approach option, available on Challenger's 19', 19.5' and 21' steel solid rail carriers, allows the operator to lower the rear approach angle of the bed to 6°. After the front tires are on the rear section of the carrier, the bed can be leveled out to overcome the clearance problem on the forward section of the bed. This process can be repeated to avoid dragging low exhaust pipes or bumpers as the rear wheels roll onto the bed.

With so much riding on your carrier, you need to be assured of a quality bed that can stand up to the everyday demands you place on it. That's why at Challenger we design and build our carriers to be the strongest and most durable in the industry. From transporting exotic sports cars to hauling salvage, Challenger offers a carrier for your individual application.

NOTE: Some optional equipment may be shown. Other Challenger Towing & Recovery Equipment is available from your local Challenger Distributor.  
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## STANDARD FEATURES

- Safety Chains
- Tool Compartment (Left Hand Side w/Keys)
- Right & Left Chain Trays
- Platform Available in Aluminum or Steel
- 8,000 lb. Hydraulic Winch with 50' of Cable
- Front & Rear Tie-Down Slots
- Bed Anti-Tilt Feature
- Full-Length Nylatron Slide Pads
- Challenger Mud Flaps
- Back-Up Alarm
- Two Lift Cylinders
- Consolidated Tilt & Full Length Mtg. Frame
- Dual Bed Lock-Down System
- One Extension Cylinder
- Back-Up Lights
- Left & Right Hand Illuminated Controls
- Winch Clutch Release
- Federal Standard 108 Lighting
- Wheel-Lift Safety Pin
- Pump
- Winch Cable Tensioner • Winch Guide Rollers
- All Components for Complete Installation
- Pre-Assembled & Factory Tested
- Full Height Steel Headboard
- Hydraulic Independent Wheel-Lift System (With Slide-In L-Arm System)
- Steel Beds Painted in Black Acrylic Enamel

## OPTIONAL EQUIPMENT

- Right Approach Option (Steel Solid Rail Only)
- PTO
- Galvanized Sub Frame
- Body Built 102" Wide
- Locking Tool Boxes
- Spotlights (Directional)
- Planetary Winch in Lieu of Worm Gear Winch
- V-Chain Assembly
- Work Lights
- Light Bar
- Factory Installation
- Tie-Down Chain Assembly
- Trailer Ball Adaptor for Wheel-Lift
- Switch Panel
- Right Side Tool Compartment
- Stationary Cab Protector

### Following Options Available Only On the Steel Platform

- Additional Cross Members
- Removable Side Rails
- Smooth Floor Instead of Diamond Plate
- Optional Color on Side Rails & Top of Deck
- Extra Chain Slots
- Many Other Popular Challenger Options

## BED SPECIFICATIONS (19', 19 1/2', 21' and 22' Bed)

Load Rating:	10,000 lbs.*
Minimum Loading Angle:	11° **
Maximum Bed Angle:	15°
Platform Thickness:	3/16" Aluminum/Steel
Platform Width: Inside Rails	91 1/2"
Over All	96"
Platform Extension:	108"
Controls:	5 Spool Mono-Block Valve Left & Right Side Standard
Winch: Rating (1 <sup>st</sup> Layer)	8,000 lbs.
Cable: Diameter & Length	3/8" Diameter x 50'
Type	6 x 19 IPS
Working Limit	3,500 lbs.

## WHEEL LIFT SPECIFICATIONS

Lift Rating at Full Extension:	3,000 lbs. * (2,000 lbs. for 15,000 GVW)
Tow Rating at Full Extension:	6,250 lbs. * (5,000 lbs. for 15,000 GVW)
Retracted Distance from Rear of Bed to Rear Face of Crossbar	2"
Full Extension Distance from Rear of Bed to Rear Face of Crossbar	62"
Lift Height Off Ground – Full Retracted	25"
Lift Height Off Ground – Full Extension	33 1/8"

\* All Ratings Specified are Based on Structural Factors Only – Not Vehicle Capacity. Platform Rating is Based on Equally Distributed Load.

\*\* Minimum Load Angle Specified is for Chassis Frame Height of 31 1/4" off ground. Approach Angle will vary with Chassis Frame Height.

## CHASSIS RECOMMENDATIONS

Minimum G.V.W.	15,000 lbs.
Maximum G.V.W.	25,500 lbs.
Maximum Recommended wheel size	19.5"

## CAB TO AXLE

19'	120"
19 1/2'	127"
21'	144"
22'	156"

Minimum Frame Length Behind Center of Rear Axle – 35"

Maximum Height from Ground to Top of Frame Rail – 38.5"

Note: Specifications subject to change without notice. All ratings specified are based on structural factors only, not vehicle capacities, or capabilities.