



**HUADA**  
BRIDGE ERECTION & ROAD MAINTENANCE



# TYRE TRANSPORTER

## Tyre Transporter

Huada Heavy Industry also specializes in the design, manufacturing and supply of Transporters for transportation of precast full span girder, pre-cast segment or other structures. These Tyre Transporters' lifting capacities normally range from 50T to 900T.



## Multi-axle Tyre Trolley

Multi-axle Tyre Trolley is designed for transportation of Bridge Beams at site; mainly from casting yard to the erection point. Commonly use as part of the system with Double Truss or Single Box Beam launcher for Bridge Beam erection. Multi-axle Tyre Trolley is powered by diesel engine. Multi-axle Tyre Trolley ' loading capacities normally range from 2 axles 120t to 16 axles 17 axles 900t.





Wheels are powered by hydraulic motors and steering is by means of hydraulic cylinder. Driver Cabin is provided and wireless control system is part of the supply for convenience of contractor. Safety features are always main consideration of Huada Heavy Industry equipment. Limit switch, emergency break switch at varies location, sensors, auto alignment system etc. are part of the safety controlling device that installed in the transporter.



## 900T Series Full Span Tyre Transporter

YHD900 Series is a multiple axle rubber wheeled dolly use to deliver full span bridge beam with loading capacity up to 900 ton and a maximum length up to 36m. This remarkable giant machine was extensively used for the construction of few thousands km of high speed railway bridges.

Item	Description	Specification	
1	Model	Rubber Wheeled	
2	Carrying Capacity	900t	
3	Tire Pressure	0.6 Mpa	
4	Turning Radius	26.3m	
5	Steering Angle	±30°	
6	Self-weight	270t	
7	A/P precision	±100mm	
8	Control Mode	Driver Cabin and Wireless control	
9	Engine	Turbocharged with water cooler	
10	Travelling Speed	With Load	0~5 km/hr
		Without Load	0~10 km/hr
11	Max. Bridge Slope	Longitudinal	5%
		Transverse	4%
12	Hoisting Speed	With Load	0~0.5m/min
		Without Load	0~1m/min
13	Power output	2 x 400 kW	





# Beam Trolley (on Track)

Track Beam Trolley is designed for transportation of Bridge Beams at site running of track. It is also commonly use as part of the system with Double Truss Beam Launcher or Single Box Beam launcher for Bridge Beam erection. Beam Trolley is powered by Electric Motor or Diesel Generator.

Track Beam Trolley consisted of 2 parts; an active Trolley and a passive Trolley. The active Trolley will be situated at the rear with a driver seat and generator set pulling behind. The trolley is designed for balancing of speed and stability.

	Description	Unit	Value
1	Total capacity	t	80t ~ 400t
2	Total weight of Beam Trolley	t	6t ~ 20t
3	Power supply	kW, V	25kW ~ 160kW, 380/415V
4	Min horizontal radius, R	m	200m ~
5	Moving speed with load	m/min	5
6	Moving speed without load	m/min	10



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