

Technical Specification – BERTOJA Trailer for Heavy Duty

SEMITRAILER 4 axles - mod. SBT 100E/20 RACS 4A with dolly having the following specifications :

overall length with dolly - about	mt.	24.24
overall length without dolly	mt.	21.81
overall width	mt.	3.00
low platform length	mt.	10.00
height from ground to low platform – about	mt.	0.90
Total weight - about	kg.	137.000
Dead weight with dolly - about	kg.	37.000
Payload with dolly	kg.	100.000
Weight on the fifth wheel of the truck	kg.	29.000
Max speed at max payload	km/h	40

FRAME - made of long tubular member connected to electrically welded crosspieces, frame headboard and external borders, low platform covered by chequered steel plate of adequate thickness - platform on axles and high platform covered by steel plate of adequate thickness - set of mechanic flanges, with pins and special profiles made of iron, between the loading platform and the rear axles group to adjust the arrangement of the axles group with the loading platform - narrow gooseneck.

GOOSENECK - detachable and liftable/lowerable by means of hydraulic cylinders operated by power take-off and pump of the truck, with rapid joints of FASTER type - other cylinders are connected to a special steel frame to park the gooseneck on the chassis of the truck when the gooseneck is detached, operated by power take off and pump of the truck.

AXLES - n°. 4, of European brand and European manufacturing, the 3rd and the 4th of self steering type, made of high-resistance steel with wheels of size 20" mounted on roller-tapered bearings and provided with shoe brakes complete with brake linings.

DOLLY - made of n°. 2 axles of high-resistance steel with wheels of size 20" mounted on roller-tapered bearings and provided with shoe brakes complete with brake linings - fifth wheel of adequate capacity and king pin of 3.5" - connection socket and cables with the semitrailer - n°.2 parking legs to stabilize the unloaded dolly.

WHEELS - n°. 16 of 20" for the semitrailer equipped with tires of size 14.00x20 pr.22 and n°. 08 of 20" for the dolly equipped with tires of size 12.00x20 pr.18 or on request 13R22.5.

SUSPENSIONS - made of parabolic multiple leaf springs connected by equalizers which ensure a proper charge distribution on the axles.

SERVOBRAKE EQUIPMENT - of compressed air type operated by the truck, complete of parking brake.

LIGHT EQUIPMENT - supplied by a 24 V system according to regulations, complete of regulatory lights and reflectors.

PAINTING - automatic sandblasting, two components primer, two components polyurethane final paint of requested RAL color, under chassis of final grey color - warming process in warming room at controlled temperature 60° after painting.

FITTINGS

- 01 - King pin 3,5" standardized and interchangeable
- 01 - wheel wrench
- 01 - spare wheel carrier of "flag" type with winch and spare wheel with tire 14.00x20 on high plan
- 10 - big grap hooks under external borders
- 04 - rings on the loading platform
- 04 - rings on the platform on axles
- 02 - incorporated loading ramps for frontal loading when gooseneck is detached
- 01 - set of side extensions to bring to mt. 3.5 the width of low platform, complete of wooden planks laid on a U" shaped reinforced steel profile
- 01 - toolbox with padlock on high plan
- 01 - use and maintenance handbook with spareparts handbook

