



# Brush Transport System

*High dumping and compressing transporter for moving bulky forest materials*

## BTS-1

*Finally...*

**An efficient, cost-effective, practical method for turning forestry RESIDUE into forest REVENUE.**

### Features

- Effective transport and off-loading of high volume, bulky forest materials including parts of trees, slash, forest residue bundles and stumps
- Foldable sides open wide for easy loading, and close tight for efficient transport without spillage
- Unique high-dumping yokes allow two loads to be dumped one on top of the other, reducing grapple handling
- Can be fitted to any 14 ton or larger forwarder

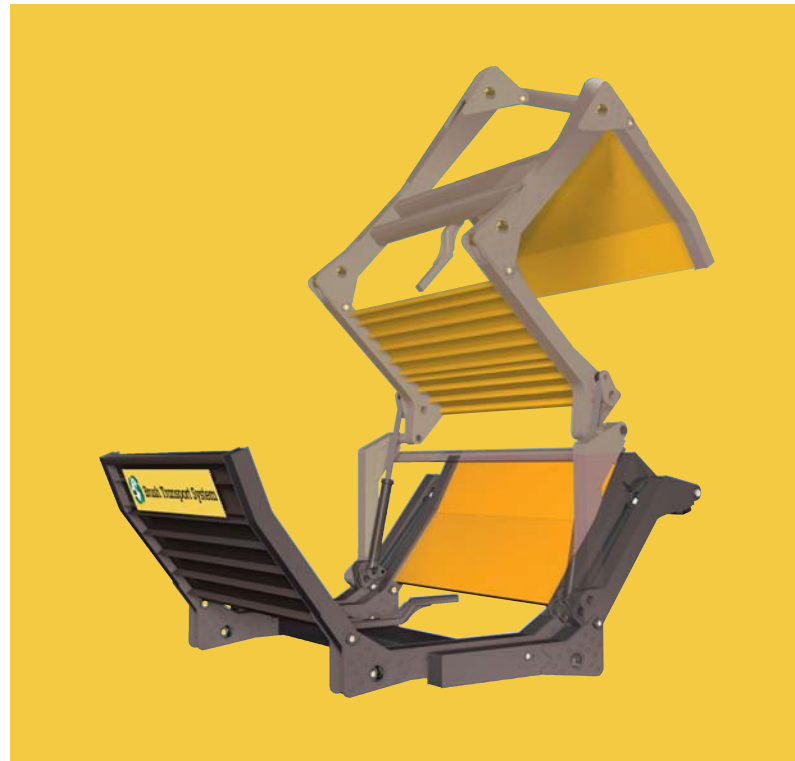
### Description

CBI's Brush Transport System has been specially designed and built to provide forestry contractors with an effective, practical method for moving bulky materials from the woods to the roadside. With adjustable sides that open to 37° for loading, and close to 10° compressing the load for transport, the BTS makes quick work of moving slash, brush, stumps, and other bulky material, with virtually no spillage. The unique, high-dumping yokes allow the operator to off-load a full 10 tons of material in less than a minute, and allow two loads to be dumped one atop the other, increasing efficiency and saving time by reducing the need for grapple handling.

As with all CBI products, the BTS is made with only the finest materials, and built to the highest quality standards. Every component, from the specially formed structure built for rigidity and strength, to the bearing grade bronze bushings, reinforced pins, and custom made hydraulic cylinders, is carefully selected to give the owner maximum performance and the longest useful life in the field.

### Body

The BTS features a specially-made formed structure for the highest rigidity and strength. Reinforced pin attachments are used for the hydraulically foldable sides. A center-mounted horn prevents material from jamming in wheels when using belts or chains. The foldable sides open to 37° for easier loading and more load volume. The sides close to 10° to reduce width at the top of the carrier while transporting. Two custom-made hydraulic cylinders are provided for each side with 125 mm (5") bore, 400 mm (15-3/4") stroke and 63 mm (2-1/2") rods for extreme force and two 60 mm (2-3/8") pins for high strength.



### Dumping Yokes

The body is mounted on high-dumping yokes allowing two loads to be dumped on top of each other. Two custom-made hydraulic cylinders are used for dumping with 140 mm (5-1/2") bore, 1115 mm (44") stroke, 90 mm (3-1/2") rod, and 70 mm (2-3/4") pins. Hydraulic cylinders — 125 mm (5") bore, 400 mm (15-3/4") stroke, 63 mm (2-1/2") rod; 60 mm (2-3/8") pins — are used for tilting the yokes with the sides of the body when loading. A specially-made formed structure bottom frame with reinforced pin attachment is fixed to the forwarder/trailer chassis.

### Hydraulics

The hydraulic system is complete with NG10 24 Volt directional solenoid valves, flow dividers, line rupture safety valves, and hose swivels for hydraulic transfer between dumping yokes and body.

The pins supplied on the Brush Transport System are of the best shaft alloy on the market.

### Paint

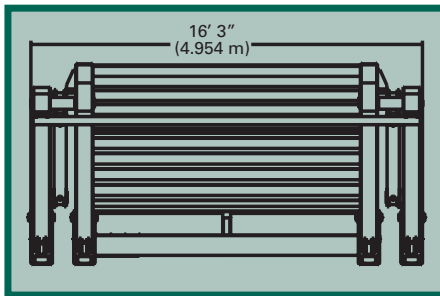
All appropriate surfaces (except for wear and machined surfaces) are sand blasted to S.S.P .C. SP 6-10 commercial to white finish, then painted with one coat of epoxy primer to product spec and one coat of CBI black high gloss Dupont polyurethane enamel paint. Equipment is assembled using zinc plated hardware.

## Specifications

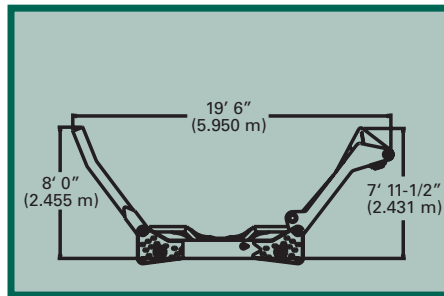
Overall	US	Metric
Load capacity	10 tons	9 tons
Load volume, forest residue; chips	40-46 yds <sup>3</sup>	30-35 m <sup>3</sup>
Recommended pump capacity	22 gpm	80 l/min
Working pressure	3,000 psi	21 MPa
Voltage	24 V	24 V
Weight with tipping function	6.0 tons	5.4 tons
Weight without tipping function	3.3 tons	3 tons

## Forwarder Requirements

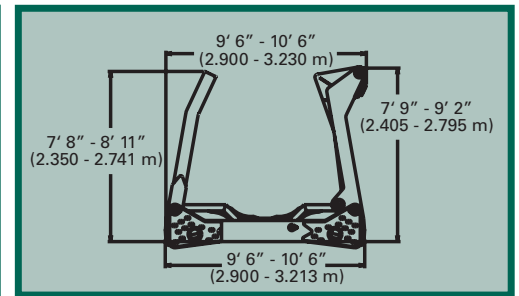
1. Auxiliary pressure line and drain line to tank: recommended flow 24 gpm (90 litres/min) and 3000 psi (210 bar) pressure.
  2. Load capacity approx 31000 lbs (14 metric tons)
  3. Fixing adapters to be custom made for each different forwarder
- Note: The BTS-1 is available without the high tipping function for smaller forwarders, or for those that want higher payloads  
Call for details.



Side View



Sides Open  
For Loading



Sides Compressed  
For Transport

*High volumes of transported material per hour = lower costs and higher profits.*



Loading



Carrying



Unloading



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