

**Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List**

mdtace1@mt.gov

Make:	Caterpillar
Model:	CB15
Equipment Type:	Tandem Vibratory Roller
Contractor Modifications:	none

Interstate Approval Conditions

<i>Approval Type</i>	crossing only
<i>Speed:</i>	no restriction
<i>Weight:</i>	30,391 lb or less
<i>Traffic:</i>	approved with regular traffic
<i>Location Restrictions:</i>	no restriction

Non-Interstate Approval Conditions

<i>Approval Type</i>	crossing only
<i>Speed:</i>	no restriction
<i>Weight:</i>	30,391 lb or less
<i>Traffic:</i>	approved with regular traffic
<i>Location Restrictions:</i>	no restriction

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Vibratory system must be turned off while on bridge. Approval is for only one roller crossing at a time, not two rollers in tandem.



Tandem Vibratory Rollers

CB15

[Request A Price](#)

[Find Dealer](#)

KEY SPECS

Standard - Operating Weight

28958 lb

Standard Compaction Width

84 in

Static Linear Load

186 lb/in

Product Specifications For CB15



Weights

Standard - Operating Weight	28958 lb
Static Linear Load	186 lb/in
Maximum Operating Weight	30391 lb

Operating Specifications

Standard Compaction Width	84 in
Drum Offset	6 in
Curb Clearance	28 in
Ground Clearance	11.5 in

Engine

Engine Model	Cat_C4.4
Gross Power	142 hp

Travel Speeds

High	8 mile/h
Low	4 mile/h

Dimensions

Overall Length	15.5 ft
Wheel Base	11.25 ft
Height - With ROPS/FOPS	10 ft

Overall Width	92 in
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Vibratory System

Centrifugal Force per Drum - Maximum	31069 lb
Centrifugal Force per Drum - Minimum	12409 lb
Maximum Amplitude	0.041 in
Minimum Amplitude	0.01 in
Maximum Frequency	2520 VPM
Minimum Frequency	2520 VPM
Vibration Selection	Independent per drum, front only, rear only, both

Service Refill Capacities

Fuel Tank Capacity	66 gal (US)
Water Spray Tank Capacity	264 gal (US)

CB15 Standard Equipment

Operating Environment

180 degree seat positioning with sliding station
 Adjustable armrests
 Platform ROPS/FOPS
 Propel lever with 4-button control
 Steering wheel - fixed position, left side
 Suspension seat - no heat
 76 mm (3 in) high visibility seatbelt
 Vandalism protection

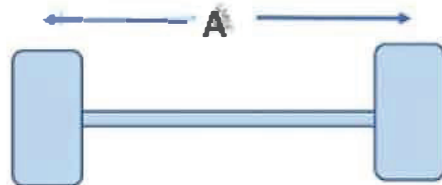
Technology

Product Link™ PLE743
 Remote Flash
 Remote Troubleshooting

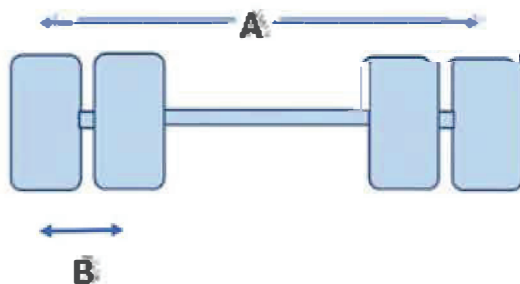
If your company would like to submit equipment to be considered for inclusion in the ACEL, provide an application to MDT at: mdtace1@mt.gov
ACEL analysis is listed below:

- Equipment manufacturer's product specifications
- Detailed dimensions and data for equipment on wheels:
 - Equipment Width (dimensions A and B)

See above.



Double Drum Width = 7 feet



- Equipment Length (center of front axle to center of rear axle) 11.3 feet
- Number of axles 2 axles
- Distance between axles (center of tire to center of tire) 11.3 feet
- Maximum Gross Equipment Weight 30,391 lbs
- Detailed dimensions and data for equipment on tracks
 - Equipment Width (center of track to center of track— if there is only one line of tracks, note this in the measurements)
 - Equipment Length (center of front track to center of rear track)
 - Number of tracks in each track line
 - Length of each track
 - Maximum Gross Equipment Weight
- Information on any equipment modifications on your equipment (note that some modifications may preclude inclusion onto the ACEL)
- Contractor's contact information for ACEL analysis-related correspondence or follow-up information